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WHO WE ARE

Hidro-Water, S.L.U. is one of the main Spanish companies in the manufacture and distribution of water treatment equipment, which divides its activity in three different areas: Residential Division, Industrial Division and Pool Division.

Our organization is aimed at meeting the needs of our customers, offering them effective and innovative solutions in the field of water treatment, both domestic and industrial.

Since it was created in 1996, the company has always maintained a leading position as a result of a continuous effort in R & D, a highly qualified team and the knowledge acquired over many years of work experience.



OUR MISSION



PURSuing SUSTAINABILITY

in each and every piece of equipment manufactured.



LISTENING TO CUSTOMERS

and offer them products that improve their lives.



OFFER AN EXCEPTIONAL SERVICE

to make it very easy to do business with Hidro-Water.



PROVIDE WATER

the cleanest, softest and safest.



TRANSFORMING WATER TO OBTAIN

the desired quality, while being sustainable and safe.

WHAT WE DO

Design, manufacture and distribution of water treatment equipment for:



HOUSES AND APARTMENTS



OFFICES AND RESTAURANTS



HOTELS AND RESORTS



SWIMMING POOLS



SPAS



INDUSTRIAL SOLUTIONS



MUNICIPAL WATER



CATERINGS AND CANTEENS



CHEMICAL INDUSTRY



CRUISE SHIPS AND MARINE



RECYCLING AND GREY WATER



POTABILIZATION AND PURIFICATION



OUR STRENGHTS



QUALITY

We understand that the loyalty of our customers must be based on the quality of our products, services and processes.

We are always in a process of continuous improvement, which allows us year after year to obtain the ISO 9001 certificate, thus ratifying our commitment to quality.



SERVICE

A 6.000m² facility and a permanent stock, allows immediate delivery, providing a quality and efficient service to our customers. The company has an extensive commercial network which, together with its technical service team, both serve throughout the national territory, providing coverage and a good after-sales service to all our customers.



LEADERSHIP

Experience, knowledge and adaptability to market changes are the values that allow Hidro-Water, S.L.U. maintain its leadership position.



R + D

Our R & D department is focused on the development of new and intelligent solutions, always using the most advanced technologies, in order to offer our customers the most appropriate products in an increasingly demanding market.



HIGH QUALIFIED TEAM

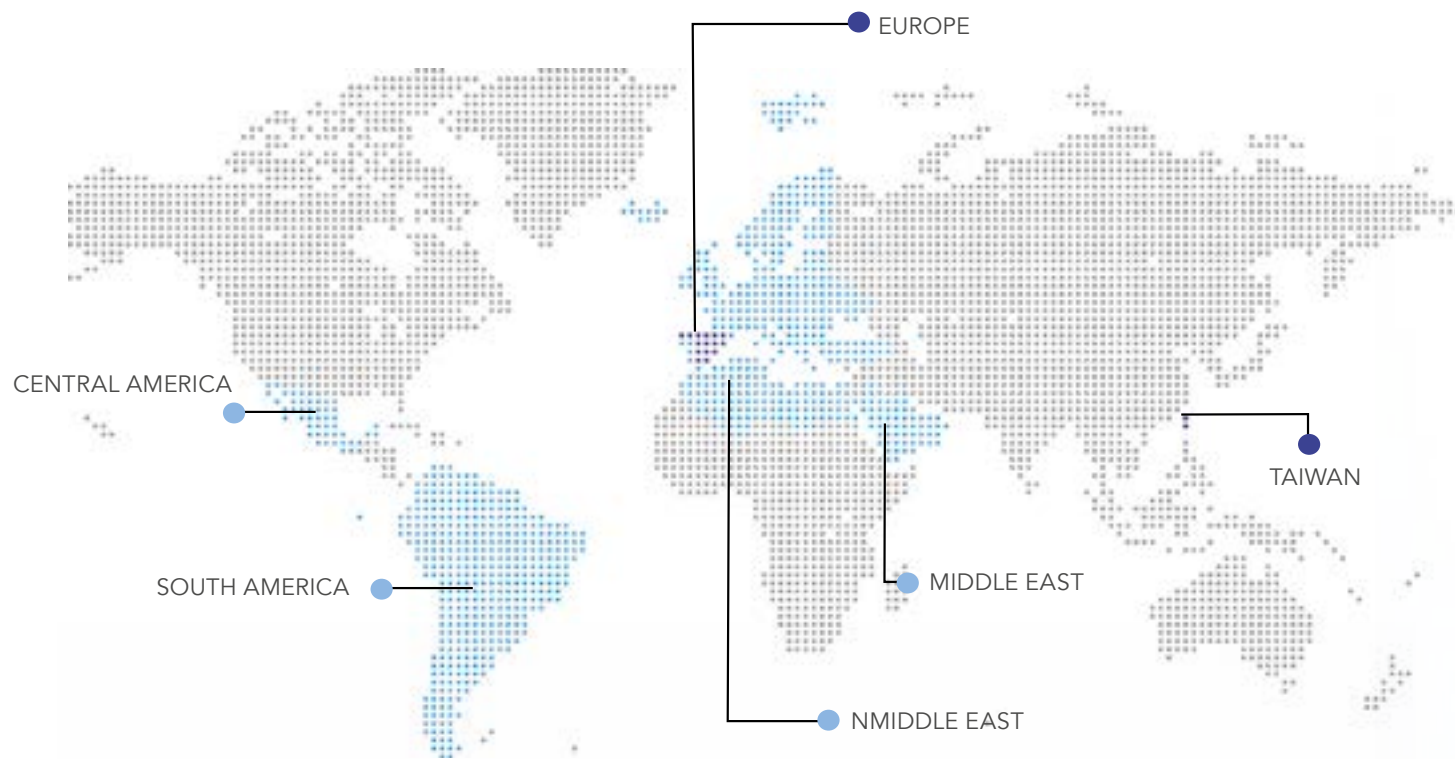
In Hidro-Water, S.L.U. we know that people are our best asset. Therefore, we enhance professional development and integration of each member of the company. We foster teamwork and a positive environment which allows us to obtain the best results.



COSTUMER COMMITMENT

Our commitment is based on the continuous improvement of our products guaranteeing our customers the best quality, an optimal service and the satisfaction of their expectations.

Therefore, we offer our customers a wide range of products with certifications according to current legislation.



WHERE WE ARE

Hidro-Water, S.L.U. has an extensive international experience having penetrated in important markets of different countries in Africa, Europe and Latin America.

Nowadays the company is in a process to international expansion, being present in more than 25 countries.

COMMERCIAL PARTNERS

In Hidro Water, S.L.U, besides creating, designing and manufacturing our own products, we distribute other products, equipment and components thanks to strategic alliances with leading worldwide suppliers.

FLUXTEK

PENTAIR

cintropur

Wave Cyber

Clack

HYDRANAUTICS
Aqua Group Company

METALife
Water Treatment Solutions

SEKO

Chemitec
WATER MONITORING SOLUTIONS





FILTRATION

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DIDO SILVER

MANUAL SELF-CLEANING FILTER

The Dido self-cleaning filter is placed at the drinking water inlet of the house to remove foreign bodies in the water such as gravel, metal flakes, mucilage, rust, etc....

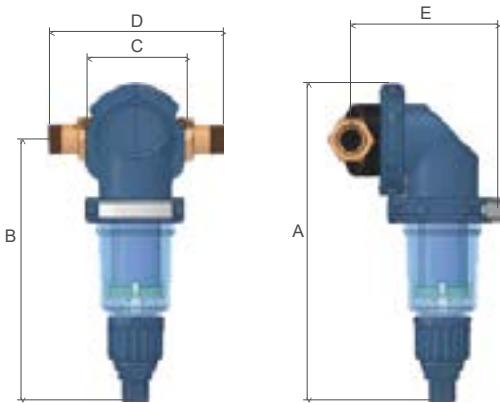
The removal of suspended particles smaller than 2mm is essential in domestic water treatment. In fact, water systems can be subject to problems when impurities are present, such as clogging of pressure regulators. Such long-term damage can be extremely critical and costly.

Filtration is all the more essential the more sophisticated the equipment installed, such as boilers, water softeners, osmosis, water dispensers...

These devices can be defined as "protection filters" and are therefore designed for this purpose and are therefore not suitable for filtering water containing large amounts of lime, sand or other materials. In these cases, a coarser particle filtration system must be installed prior to the Dido filter..

Hidro-Water offers advanced technologies for the LEGIONELLA control and prevention, complying with the strict regulations RD 614/2024 and RD 3/2023 on the quality of water for human consumption.

Among our solutions, the DIDO SILVER filter stands out, as it is equipped with a silver-coated inner cartridge for 50 micron filtration.



CODE	DIMENSIONS (mm)					WEIGHT (Kg)
	A	B	C	D	E	
FI-2022-02	354	292	110	172	165	1,5
FI-2022-04	354	292	110	183	165	1,5
FI-2022-06	354	292	110	188	165	1,6
FI-2002-08	354	292	110	254	175	2,1
FI-2022-10	354	292	110	262	175	2,5

TECHNICAL FEATURES

- Fittings that can rotate through 360° without any disassembly
- Transparent bowl in Trogamid
- Discharge knob
- PN 16

TO ENSURE EFFECTIVE OPERATION, THE FILTER CARTRIDGE MUST BE CLEANED PERIODICALLY AND REPLACED AT LEAST ONCE A YEAR.

OUR STRENGTHS

- TESTED ONE BY ONE for a long lasting life
- Polyamide glassfiber reinforced head and fittings
- Body easy to unscrew by opening the two jaws
- Backwash through a bottom knob
- Inside rotator Turboclean to ensure a perfect cartridge cleaning

The water entering the filter follows a compulsory path that takes it through the mesh of the filter element, consisting of an AISI 304 stainless steel mesh, flowing from the outside to the inside.

In this way, particles larger than the filtration degree of the mesh will be stopped, accumulate at the bottom of the filter or be blocked on the outer surface of the filter element. Previously detained particles will be removed by opening the bottom drain.



DIDO SIVER AUTO

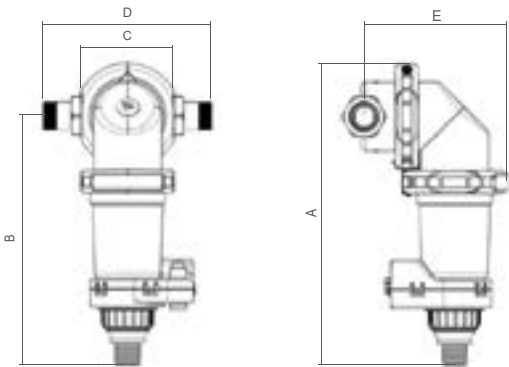
AUTOMATIC SELF CLEANING FILTER

Periodically, as set by programming the switch, the filter automatically cleans the filter element. In particular, the timer activates the automation device which, by turning the knob located at the bottom of the filter 180° clockwise, activates the Turbo-clean impeller, simultaneously opening the drain. During this operation, the design of the unit ensures that water continues to be supplied to users. The Turbo-clean impeller performs a precise and complete backwash of the filter cartridge, as its calibrated nozzles vigorously hit the entire surface of the cartridge, pushing all retained impurities towards the drain.

The filter cartridge guarantees precise, long-lasting micrometric filtration. The filter must be protected against frost and weather, and contact with liquids other than water must be avoided.

The internal cartridge of the DIDO SILVER self-cleaning filter is coated with silver.

Dido silver has an antibacterial cartridge with a 50 micron silver filtration grid, essential requirements to comply with C.T.E (Technical Building Code), and European regulation 13443-2. It complies with RD 614/2024 and RD 3/2023.



CODE	DIMENSIONS (mm)					WEIGHT (Kg)
	A	B	C	D	E	
FI-2122-02	354	292	114	199	170	1,8
FI-2122-04	354	292	114	199	170	1,8
FI-2122-06	354	292	114	205	170	1,9
FI-2122-08	354	292	114	251	170	2,6
FI-2122-10	354	292	114	259	170	2,9

CODE	MODEL	FLOW RATE (m³/h)		PN bar	CONN.	DN	MAX. H2 TEMP °C	MAX. AMB. TEMP. °C
		(0,2 bar)	(0,5 bar)					
FI-2022-02	DIDO 50 3/4" SILVER	3.1	5.2	16	3/4"	20	40	40
FI-2022-04	DIDO 50 1" SILVER	4.0	6.0	16	1"	25	40	40
FI-2022-06	DIDO 50 1 1/4" SILVER	4.0	6.0	16	1 1/4"	32	40	40
FI-2022-08	DIDO 50 1 1/2" SILVER	7.0	9.0	16	1 1/2"	40	40	40
FI-2022-10	DIDO 50 2" SILVER	8.5	10.5	16	2"	50	40	40
FI-2122-02	DIDO 50 3/4" SILVER AUTO	5.0	7.6	16	3/4"	20	40	40
FI-2122-04	DIDO 50 1" SILVER AUTO	5.1	7.8	16	1"	25	40	40
FI-2122-06	DIDO 50 1 1/4" SILVER AUTO	5.2	8.0	16	1 1/4"	32	40	40
FI-2122-08	DIDO 50 1 1/2" SILVER AUTO	5.8	9.7	16	1 1/2"	40	40	40
FI-2122-10	DIDO 50 2" SILVER AUTO	6.1	10.1	16	2"	50	40	40
CODE		MODEL						
CA-2006-10	50 micron SILVER DIDO cartridge							



DIDO MANUAL

SELF-CLEANING FILTER

The Dido self-cleaning filter is placed at the drinking water inlet of the house. The aim is to remove foreign bodies in the water such as gravel, metal flakes, mucilage, rust, etc...

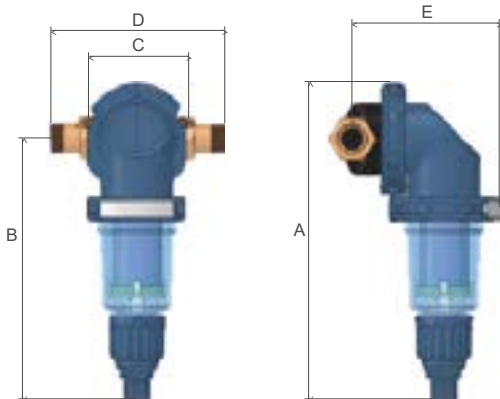
The removal of suspended particles smaller than 2mm is essential in domestic water treatment. In fact, water systems can be subject to problems when impurities are present, such as clogging of pressure regulators. Such long-term damage can be extremely critical and costly.

Filtration is all the more essential the more sophisticated the equipment installed, such as boilers, water softeners, osmosis, water dispensers...

These devices can be defined as "protection filters" and are therefore designed for this purpose and are therefore not suitable for filtering water containing large amounts of lime, sand or other materials. In these cases, a coarser particle filtration system must be installed prior to the Dido filter.

Complies with

UNE 13443-1



CODE	DIMENSIONE (mm)					WEIGHT (Kg)
	A	B	C	D	E	
FI-2020-02	354	292	110	172	165	1,5
FI-2020-04	354	292	110	183	165	1,5
FI-2020-06	354	292	110	188	165	1,6
FI-2020-08	354	292	110	254	175	2,1
FI-2020-10	354	292	110	262	175	2,5
FI-2120-02	354	292	114	199	170	1,8
FI-2120-04	354	292	114	199	170	1,8
FI-2120-06	354	292	114	205	170	1,9
FI-2120-08	354	292	114	251	170	2,6
FI-2120-10	354	292	114	259	170	2,9

OUR STRENGTHS

- TESTED ONE BY ONE for a long lasting life
- Polyamide glassfiber reinforced head and fittings
- Body easy to unscrew by opening the two jaws
- Use of innovative materials
- Stainless steel cartridge AISI 304 - 50/89/200/500 microns
- Backwash through a bottom knob
- Inside rotator turboclean to ensure a perfect cartridge cleaning

TECHNICAL FEATURES

- Fittings that can rotate through 360° without any disassembly
- Transparent bowl in Trogamid
- Discharge knob
- PN 16

To ensure efficient operation, the filter cartridge must be cleaned regularly and replaced at least once a year.

DIDO filter complies with European standard 13443-1

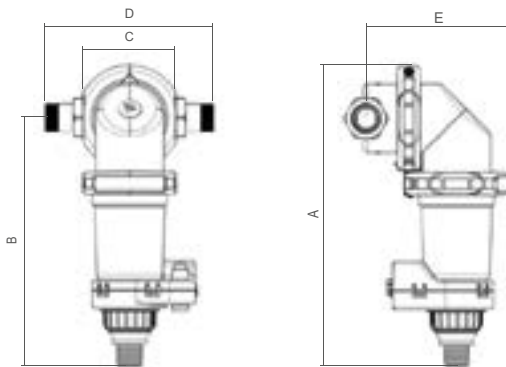
The water entering the filter follows a compulsory path that takes it through the mesh of the filter element, consisting of an AISI 304 stainless steel mesh, flowing from the outside to the inside.

In this way, particles larger than the filtration degree of the mesh will be stopped, accumulate at the bottom of the filter or be blocked on the outer surface of the filter element. Previously detained particles will be removed by opening the bottom drain.



Complies with

UNE 13443-1



DIDO AUTO

AUTOMATIC SELF CLEANING FILTER

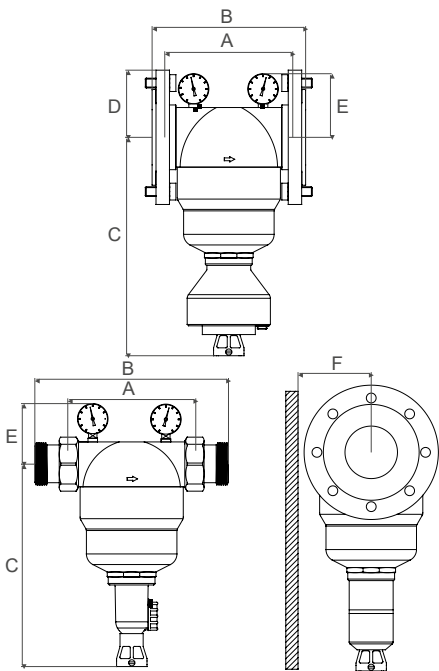
The water entering the filter follows a forced path that leads it through the mesh of the filter element, flowing from the outside to the inside. In this way, particles that are larger than the filtration degree of the mesh are stopped and accumulate at the bottom of the filter or stick to the outer surface of the filter element. The detained particles will be automatically removed from the filter by the automatic and periodical activation of the Turbo-clean impeller, controlled by the timer, which ensures a thorough cleaning of the filter.

Periodically, as set by programming the switch, the filter automatically proceeds to clean the filter element. In particular, the timer activates the automation device which, by turning the knob on the bottom of the filter 180° clockwise, activates the Turbo-clean impeller, simultaneously opening the drain. During this operation, the design of the unit ensures that water continues to be supplied to users. The Turbo-clean impeller performs a precise and thorough backwash of the filter cartridge, as its calibrated nozzles vigorously strike the entire surface of the cartridge, pushing all retained impurities into the drain.

The filter cartridge guarantees micrometric, precise and long-lasting filtration. For proper operation, the filter must be protected against frost and weathering, and contact with liquids other than water must be avoided.

TO ENSURE EFFICIENT OPERATION, THE FILTER CARTRIDGE SHOULD BE CLEANED REGULARLY AND REPLACED AT LEAST ONCE A YEAR

CODE	MODEL	FLOW RATE (m³/h)		PN BAR	CONN.	DN	MAX H2 TEMP °C	MAX. AMB. TEMP. °C
		(0,2 bar)	(0,5 bar)					
FI-2020-02	DIDO 89-3/4"	3.1	5.2	16	3/4"	20	40	40
FI-2020-04	DIDO 89-1"	4.0	6.0	16	1"	25	40	40
FI-2020-06	DIDO 89-1-1/4"	4.0	6.0	16	1 1/4"	32	40	40
FI-2020-08	DIDO 89-1-1/2"	7.0	9.0	16	1 1/2"	40	40	40
FI-2020-10	DIDO 89-2"	8.5	10.5	16	2"	50	40	40
FI-2120-02	DIDO 89-3/4" AUTO	5.0	7.6	16	3/4"	20	40	40
FI-2120-04	DIDO 89-1" AUTO	5.1	7.8	16	1"	25	40	40
FI-2120-06	DIDO 89-1-1/4" AUTO	5.2	8.0	16	1 1/4"	32	40	40
FI-2120-08	DIDO 89-1-1/2" AUTO	5.8	9.7	16	1 1/2"	40	40	40
FI-2120-10	DIDO 89-2" AUTO	6.1	10.1	16	2"	50	40	40
CODE	MODEL							
CA-2006-00	50 micron DIDO cartridge							
CA-2006-02	89 micron DIDO cartridge							
CA-2006-04	200 micron DIDO cartridge							
CA-2006-06	500 micron DIDO cartridge							



CODE	DIMENSIONS (mm)					
	A	B	C	D	E	F
MANUAL						
FI-2016-10	210	317	346	-	99	95
FI-2016-12	210	252	346	94	99	104
FI-2016-14	210	252	358	100	105	110
FI-2016-16	210	252	358	110	105	120
AUTOMATIC						
FI-2018-10	210	317	332	-	99	95
FI-2018-12	210	252	332	94	99	104
FI-2018-14	210	252	344	100	105	110
FI-2018-16	210	252	344	110	105	120

EASY MAX SILVER FILTER

Self-cleaning filter that ensures perfect filtration in domestic, urban and industrial applications

- **Silver coated 316 stainless steel filter cartridge.**
- Filter with brass head and body.
- Grade of filtration: 50 microns.
- Includes inlet and outlet pressure gauges.
- Maximum pressure 16 Bar.
- Maximum water temperature 90°C / ambient 60°C
- **MANUAL:** manual valve for upflow cleaning.
- **AUTOMATIC TIMER:** the filter has a motorized mechanism led by time through an electronic circuit. Frequency washing programme from 8 to 999 hours.

Complies with:

- Spanish Technical Building Code C.T.E
- RD 3/2023 on the quality of water for human consumption.
- European standard UNE 13443-2
- RD 614/2024 for the control of Legionella

Complies with

RD 3/2023

In accordance

RD 614/2024

Complies with

CTE

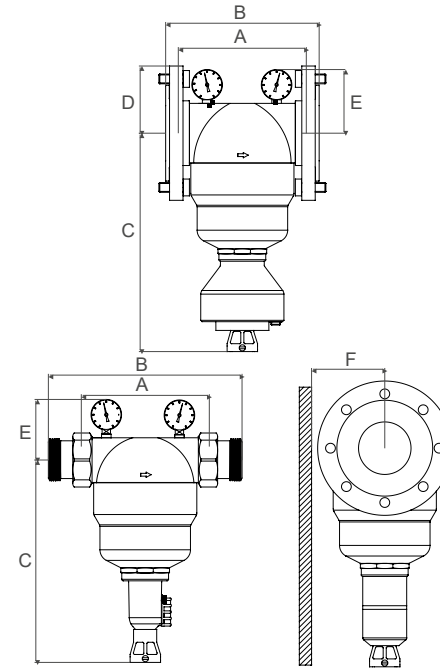
Complies with

UNE 13443-2

CODE	MODEL	CONN.	MAX. FLOW (m³/h)	WEIGHT (Kg)
MANUAL				
FI-2016-10	Easy Max Silver 2"	2"	30	13,5
FI-2016-12	Easy Max Silver 2 1/2"	DN 65	38	15,1
FI-2016-14	Easy Max Silver 3"	DN 80	44	16,3
FI-2016-16	Easy Max Silver 4"	DN 100	48	17,3
AUTOMATIC				
FI-2018-10	Easy Max/A Silver 2"	2"	30	14,8
FI-2018-12	Easy Max/A Silver 2 1/2"	DN 65	38	16,4
FI-2018-14	Easy Max/A Silver 3"	DN 80	44	17,6
FI-2018-16	Easy Max/A Silver 4"	DN 100	48	18,6

CODE	MODEL
CA-2005-20	50 micron Easy Max Silver Cartridge

Note: It is advisable to change cartridges annually for maintenance



CODE	DIMENSIONS (mm)					
	A	B	C	D	E	F
MANUAL						
FI-2006-10	210	317	346	99	118	95
FI-2006-12	210	252	346	94	99	104
FI-2006-14	210	252	358	100	105	110
FI-2006-16	210	252	358	110	105	120
AUTOMATIC						
FI-2008-10	210	317	332	-	99	95
FI-2008-12	210	252	332	94	99	104
FI-2008-14	210	252	344	100	105	110
FI-2008-16	210	252	344	110	105	120

EASY MAX FILTER

Self-cleaning filter that ensures perfect filtration in domestic, urban and industrial applications.

- Filter cap and body of sturdy brass.
- 316 Stainless steel filter cartridges
- Grade of filtration 125 microns.
- (optional cartridges 50-200-500 microns).
- Including inlet and outlet gauges.
- Max. pressure: 16 Bar.
- Max. water temperature: 90° C/ ambient 60° C.
- **MANUAL:** manual valve for counter current cleaning.
- **AUTOMATIC TIMER:** the filter has a motorized mechanism led by time through an electronic circuit. Frequency washing programme from 8 to 999 hours.

- Complies with European standard UNE 13443-1
- All materials in contact with water are CE certified.

Complies with

UNE 13443-1

CODE	MODEL	CONN.	MÁX FLOW. (m³/h)	WEIGHT (Kg)
MANUAL				
FI-2006-10	Easy Max 2"	2"	30	10,5
FI-2006-12	Easy Max 2 1/2 "	DN 65	38	12,5
FI-2006-14	Easy Max 3"	DN 80	44	13,5
FI-2006-16	Easy Max 4"	DN 100	48	14,5
AUTOMATIC				
FI-2008-10	Easy Max/A 2"	2"	30	11
FI-2008-12	Easy Max/A 2 1/2"	DN 65	38	13
FI-2008-14	Easy Max/A 3"	DN 80	44	14
FI-2008-16	Easy Max/A 4"	DN 100	48	15

CODE	MODEL
CA-2005-23	50 microns Easy Max Cartridge
CA-2005-24	100 microns Easy Max Cartridge
CA-2005-26	200 microns Easy Max Cartridge
CA-2005-28	500 microns Easy Max Cartridge

Note: It is advisable to change cartridges annually for maintenance

Cintropur®

WATER FILTRATION & TREATMENT

CINTROPUR NW FILTER SERIES

Mechanical filter for domestic and industrial use in the treatment of clear water with light pollutants.

TECHNICAL CHARACTERISTICS

- Glass fibre reinforced polypropylene head
- Transparent, impact-resistant, glass-fibre reinforced SAN cup.
- Polypropylene propeller and fixing cover.
- Filter fabrics of 25 micron origin: polyester non-woven fibres.
- O-rings: nitrile butadiene rubber (NBR)
- Operating pressure: 10 Bar
- Maximum working pressure: 16 Bar
- Maximum temperature: 50°C
- The NW 280, NW 340, NW 400, NW 500, NW 650 and NW 800 filters include a pressure gauge.
- TE models equipped with a "basket" can be filled with various products.

Virtually no back-up filtration, low pressure drop, high and constant flow rate, high degree of self-cleaning, robustness and reliability. Quick and easy bottom drain.

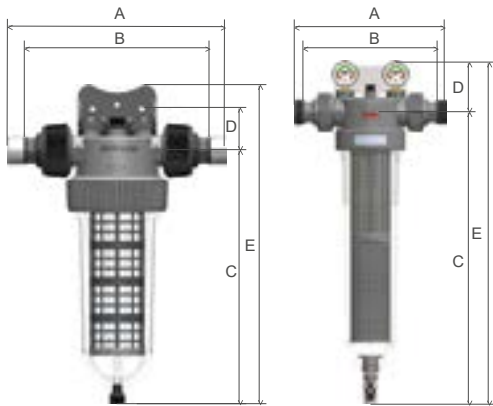
CODE	MODEL	CONN.	FLOW (m³/h)	WEIGHT (Kg)
FI-0502-00	NW 18	3/4"	3,5	1,1
FI-0502-01	NW 25	1"	5,5	1,3
FI-0502-02	NW 32	1 1/4"	6,5	1,8
FI-0502-14	NW 280	1"	7	2,2
FI-0502-15	NW 340	1 1/4"	10	2,66
FI-0502-06	NW 400	1 1/2"	12	2,88
FI-0502-03	NW 500	2"	18	6,4
FI-0502-04	NW 650	DN65	25	7
FI-0502-05	NW 800	3" DN80	32	7,4

ACTIVE COAL

The large pore volume and large exchange surface make this activated carbon an excellent choice for taste enhancement, odour removal, reduction of chlorine, ozone and micropollutants such as pesticides and other dissolved organic substances.

CODE	MODEL	CONN.	FLOW (m³/h)	WEIGHT (Kg)	CAPACITY (L)
CINTROPUR COAL FILTERS (load not included)					
FI-0502-11	NW 25 TE	1"	0,5	1,3	0,57
FI-0502-12	NW 32 TE	1 1/4"	0,5	2,1	1,7
FI-0502-13	NW 500 TE	2"	2	5,6	4,85

ΔP= 0,2 Bar



CODE	DIMENSIONS (mm)				
	A	B	C	D	E
FI-0502-00	270	230	192	52	273
FI-0502-01	270	230	314	52	395
FI-0502-02	270	230	500	52	581
FI-0502-14	284	253	373	99	472
FI-0502-15	284	253	474	99	573
FI-0502-06	284	253	576	99	675
FI-0502-03	443	363	632	139	802
FI-0502-04	306	-	632	139	802
FI-0502-05	311	-	632	139	802
FI-0502-11	270	230	314	52	395
FI-0502-13	443	363	632	139	802
FI-0502-12	270	230	500	52	581

CINTROPUR ACCESSORIES

CODE	MODEL
CA-1307-11	5 filter meshes 5 µm NW 18
CA-1307-30	5 filter meshes 25 µm NW 18
CA-1307-12	5 filter meshes 100 µm NW 18
CA-1307-00	5 filter meshes 5 µm NW 25
CA-1307-02	5 filter meshes 25 µm NW 25
CA-1307-13	5 filter meshes 50 µm NW 25
CA-1307-03	5 filtering mesh 100 µm NW 25
CA-1307-42	5 filter meshes 1µm NW 280
CA-1307-43	5 filter meshes 5µm NW 280
CA-1307-44	5 filter meshes 10µm NW 280
CA-1307-45	5 filter meshes 25µm NW 280
CA-1307-46	5 filter meshes 50µm NW 280
CA-1307-47	5 filter meshes 100µm NW 280
CA-1307-48	5 filter meshes 150µm NW 280
CA-1307-49	5 filter meshes 300µm NW 280
CA-1307-14	5 filter meshes 5µm NW 32
CA-1307-05	5 filter meshes 25µm NW 32
CA-1307-15	5 filter meshes 50µm NW 32
CA-1307-06	5 filter meshes 100µm NW 32
CA-1307-50	5 filter meshes 1µm NW 340
CA-1307-51	5 filter meshes 5µm NW 340
CA-1307-52	5 filter meshes 10µm NW 340
CA-1307-53	5 filter meshes 25µm NW 340
CA-1307-54	5 filter meshes 50µm NW 340
CA-1307-55	5 filter meshes 100µm NW 340
CA-1307-56	5 filter meshes 150µm NW 340
CA-1307-57	5 filter meshes 300µm NW 340
CA-1307-33	5 filter meshes 1µm NW 400 DE
CA-1307-34	5 filter meshes 5µm NW 400 DE
CA-1307-35	5 filter meshes 10µm NW 400 DE
CA-1307-36	5 filter meshes 25µm NW 400 DE
CA-1307-37	5 filter meshes 50µm NW 400 DE
CA-1307-38	5 filter meshes 100µm NW 400 DE
CA-1307-39	5 filter meshes 150µm NW 400 DE
CA-1307-40	5 filter meshes 300µm NW 400 DE
CA-1307-16	5 filter meshes 5µm NW 500, 650 and 800
CA-1307-08	5 filter meshes 25µm NW 500, 650 and 800
CA-1307-17	5 filter meshes 50µm NW 500, 650 and 800
CA-1307-09	5 filter meshes 100µm NW 500, 650 and 800
CA-1307-18	5 filter meshes 300µm NW 500, 650 and 800
AF-0212-01	NW 18/25/32 wall support
AF-1204-30	NW 500/650/800 wall support
AF-1204-36	NW 280/340/400 support
PQ-0602-40	Cintropur carbon bucket 3,4kg



NW 18

NW 25



NW 32

NW 280



NW 340

NW 400



NW 500

NW 800



NW 25 TE

NW 500 TE



Set of 5 filter meshes for NW 25



Set of 5 filter meshes for NW 500, 600 and 800



Cintropur coal cube

NEW



The filter mesh is woven in an S-shape with vertically arranged yarns and not in a square shape as in all conventional cloths.



NW 280



NW 340



NW 400



NW 500



NW 800

INOX CINTROPUR/ INOX SILVER

It is supplied in two ways:

- a) as a set consisting of a filter mesh+ the cylindrical support + the propeller + the cover, as a replacement in an existing filter;
- b) or originally installed on the complete filter.

CINTROPUR INOX SILVER

Silver coated inner cartridge, 50 micron filtration.

Advanced technology for the control and prevention of LEGIONELLA, complying with the strict regulations RD 614/2024 and RD 3/2023 on the quality of water for human consumption.

Complies with

RD 3/2023

Complies with

UNE 13443-2

Complies with

C.T.E.

In accordance with

RD 614/2024

COMPLETE FILTERS CINTROPUR INOX SILVER

CODE	MODEL	CONN.	FLOW (m³/h)	WEIGHT (Kg)
FI-0504-14	NW 280 Silver filter	1"	7	2,2
FI-0504-15	NW 340 Silver filter	1 1/4"	10	2,66
FI-0504-06	NW 400 Silver filter	1 1/2"	12	2,88
FI-0504-03	NW 500 Silver filter	2"	18	6,4
FI-0504-04	NW 650 Silver filter	2 1/2"	25	7
FI-0504-05	NW 800 Silver filter	3"	32	7,4

50 µm INOX SILVER CARTRIDGES

CODE	MODEL
CA-1310-14	INOX SILVER NW 280 50 µm cartridge
CA-1310-15	INOX SILVER NW 340 50 µm cartridge
CA-1310-06	INOX SILVER NW 400 50 µm cartridge
CA-1310-05	INOX SILVER NW 500-650-800 50 µm cartridge

CINTROPUR INOX

CARTRIDGE WITH STAINLESS STEEL SIEVE: The filter mesh of the cartridge is made of a single layer of 90 µm AISI 316L stainless steel.

90 µm STAINLESS CARTRIDGES

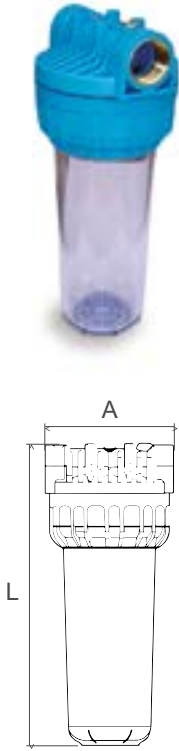
CODE	MODEL
CA-1309-14	NW 280 90 µm INOX cartridge
CA-1309-15	NW 340 90 µm INOX cartridge
CA-1309-06	NW 400 90 µm INOX cartridge
CA-1309-05	NW 500-650-800 90 µm INOX cartridge

3-PIECE HOUSING

Filter housing of 3-piece for domestic drinking water applications.

- Brass reinforced thread
- Polypropylene head and cap
- SAN cup
- Wrench included
- Max. pressure: 8 Bar
- Temp: from 0 to 30°C

CODE	MODEL	CONN.	PCS/BOX	A (mm)	L (mm)
FI-0201-02	3P-Filter 5" Transparent	1/2"	24	133	195
FI-0201-04	3P-Filter 9 3/4" Transparent	3/4"	12	133	307
FI-0201-05	3P-Filter 9 3/4" Transparent	1"	12	133	307
FI-0201-08	3P-Filter 20" Transparent	1"	6	133	588
Wrench not included:					
FI-0201-15	3P-Filter 9 3/4" Opaque	1"	12	133	307
FI-0201-18	3P-Filter 20" Opaque	1"	6	133	588
CODE	MODEL				
AF-0201-01	Wrench for filter 5", 10" and 20"				
AF-0201-02	Simple Bracket				



3 PIECES FILTRATION KIT WITH CARTRIDGE, BRACKET AND WRENCH

3-Piece filtration kit with 50 µm wound cartridge, simple bracket and wrench.

CODE	MODEL	CONN.	PCS/BOX
FI-5002-04	3P-Filtration kit 1"	1"	12
FI-5002-06	3P-Filtration kit 3/4"	3/4"	12

DUPLEX AND TRIPLEX FILTERS

Duplex and triplex system of 3-piece housings for domestic drinking water applications

- Brass reinforced thread
- Polypropylene nut and cap
- Transparent SAN cup
- Wrench and simple bracket included
- Maximum pressure: 8 Bar
- Working temperature: 0-30°C

CODE	MODEL	CONN.	PCS/BOX	A (mm)	B (mm)
FI-0902-01	5" Duplex filter	1/2"	1	246	268
FI-0902-04	9 3/4" Duplex filter	3/4"	1	358	268
FI-0902-05	9 3/4" Duplex filter	1"	1	358	268
FI-0902-08	20" Duplex filter	1"	1	639	268
FI-0903-04	9 3/4" Triplex filter	3/4"	1	358	403
FI-0903-06	20" Triplex filter	1"	1	639	403



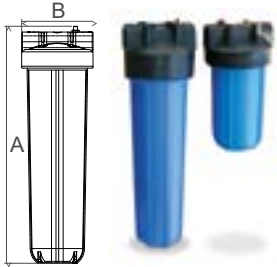
BIG FILTER

2-Piece filter housing for domestic drinking water applications.

- Noryl head
- Opaque polypropylene cup
- Max. pressure: 8 Bar
- Max. temp.: 45°C
- Include pressure relief button

CODE	MODEL	CONN.	PCS/BOX	A (mm)	B (mm)
FI-0203-01	10" Big filter	1"	4	350	183
FI-0203-02N	20" Big filter	1"	4	610	187
FI-0203-12	20" Big filter	1 1/2"	4	610	189

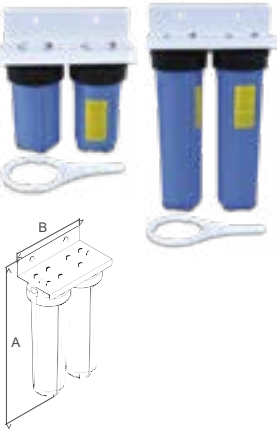
CODE		MODEL	LONG.	µm	FLOW (m³/h)
CA-1010-01	10" 5µm Pleated cartridge		10"	5	1,3
CA-1010-02	10" 20µm Pleated cartridge		10"	20	1,8
CA-1012-01	20" 5µm Pleated cartridge		20"	5	2,7
CA-1012-02	20" 20µm Pleated cartridge		20"	20	3,2
CA-1210-00	10" 1µm Melt Blown polypropylene cartridge		10"	1	1,2
CA-1210-01	10" 5µm Melt Blown polypropylene cartridge		10"	5	1,5
CA-1210-02	10" 20µm Melt Blown polypropylene cartridge		10"	20	1,8
CA-1212-00	20" 1µm Melt Blown polypropylene cartridge		20"	1	2,2
CA-1212-01	20" 5µm Melt Blown polypropylene cartridge		20"	5	2,7
CA-1212-02	20" 20µm Melt Blown polypropylene cartridge		20"	20	3,6
CA-0606-05	10" Block carbon cartridge		10"	5	1,6
CA-0606-06	20" Block carbon cartridge		20"	5	3,2
CA-0606-15	10" GAC carbon cartridge		10"	-	1,6
CA-0606-16	20" GAC carbon cartridge		20"	-	3,2
CA-1215-02	10" 5µm Antibacterial sediment cartridge		10"	5	1,5
CA-1217-02	20" 5µm Antibacterial sediment cartridge		20"	5	2,7
CA-0606-07	10" 5µm Antibacterial carbon block cartridge		10"	5	1,6
CA-0606-08	20" 5µm Antibacterial carbon block cartridge		20"	5	3,2
AF-0204-02	Big filter Wrench				
AF-0204-04	Big filter Wall bracket				



Sediments cartridge



Block carbon cartridge



DUPLEX & TRIPLEX BIG FILTERS

Duplex and triplex systems of 2-piece filter housing for domestic drinking water applications. Include wrench and support.

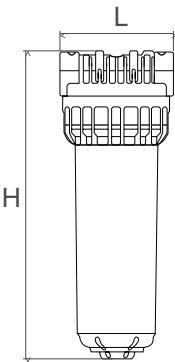
CODE	MODEL	CONN.	PCS/BOX	A (mm)	B (mm)
FI-0203-21	10" Duplex Big Filter	1"	4	440	410
FI-0203-22	20" Duplex Big Filter	1"	4	700	410
FI-0203-32	20" Triplex Big Filter	1 1/2"	4	700	635

AP500 FILTER

Manual self-cleaning system for domestic drinking water applications. Brass reinforced thread

TECHNICAL CHARACTERISTICS

- Polypropylene head and nut
- Transparent SAN cup
- Manual flushing valve
- 60µ washable mesh cartridge included
- Maximum working pressure: 8 Bar
- Working temperature: 0 to 30°C

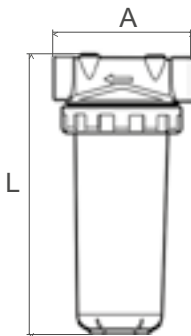


CODE	MODEL	CONN.	FLOW (m³/h)	PCS/ BOX	H (mm)	L (mm)
FI-0406-04	AP500 9 3/4" filter	1"	-	6	468	123
CA-0202-13	9 3/4" 60 µm washable mesh GT/AP cartridge		2,5			

SP600 FILTER

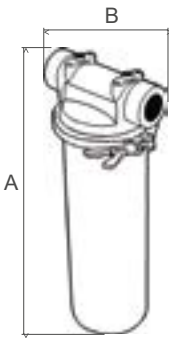
Filter housing of 3-piece for drinking water in domestic applications. Cartridge not included.

- Nickel-plated brass nut and cap
- Transparent PA cup
- Maximum pressure: 12 Bar
- Maximum temperature: 50°C
- 9 ¾" Filter: 60 µm polypropylene mesh GT cartridge
- 20" Filter: 60 µm polypropylene mesh GTS cartridge



CODE	MODEL	CONN.	PCS/ UNITS	A (mm)	L (mm)
FI-0218-02	9 ¾' SP600 filter	1"	6	135	337
FI-0218-05	20" SP600 filter	1 1/2"	6	150	565
FI-0218-06	20" SP600 filter	2"	6	162	565

CODE	MODEL	FLOW (m³/h)	LENGTH	PCS/BOX
CA-0202-01	GT cartridge	2,5	9 3/4"	24
CA-0202-12	GTS cartridge	4	20"	24
AF-0220-01	Filter holder only model SP 600 9 3/4".			
AF-0201-03	SP600 filter wrench			



HOT WATER FILTERS

ACS 1" FILTER

Compleat filter in stainless steel, for use in sanitary, industrial, food and chemical hot water for liquids filtration.

TECHNICAL CHARACTERISTICS

- Maximum working pressure: 15 Bar.
- Maximum working temperature: 90°C
- 316 stainless steel head, clamp and cup
- M6 stainless steel clamp
- Predisposition for pressure gauges (1/8")
- Optional wall support
- Cartridge not included

CODE	MODEL	CONN.	A (mm)	B (mm)	WEIGHT (Kg)	PCS/ BOX
FI-0226-02	9 3/4" ACS Filter	1"	320	134	2,0	6
FI-0226-03	20" ACS Filter	1"	585	134	2,7	6
AF-0206-01	Stainless steel wall support					

STAINLESS STEEL CARTRIDGES

- Mechanical surface filtration.
- 316 stainless steel
- Maximum working temperature: 90°C



CODE	MODEL	FILTRATION	FLOW (m³/h)	Ø (mm)	L (mm)	WEIGHT (Kg)
CA-0204-04	9 3/4" X cartridge	60µ	2,5	70	248	0,4
CA-0204-05	20" X cartridge	60µ	4	70	508	1,0
CA-0204-06	9 3/4" XP cartridge	60µ	3	70	248	0,4
CA-0204-07	20" XP Cartridge	60µ	4,5	70	508	1,0



SMILE FILTER

Protective filter that mechanically removes foreign bodies in the water such as gravel, metal flakes, rust, etc. in domestic drinking water network.

The removal of suspended solids and particles in general is essential in domestic water treatment. Indeed, water systems can be subject to short-term problems, such as clogged faucet regulators, but also long-term damage that can be extremely critical and costly.

Smile filters can be defined as “protective filters”. They are not suitable for the filtration of water containing large amounts of silt, sand or other materials. In these cases, other filtration systems must be installed before the water reaches the Smile filter.

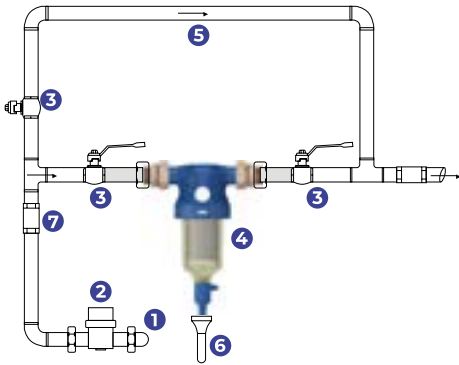
Filtration is all the more essential the more sophisticated the equipment installed, such as condensing boilers, or water treatment systems such as reverse osmosis, which require particularly clean water.

OPERATION

The filter must be installed on the cold water pipe, upstream of the system to be protected, respecting the flow direction arrow placed on the filter body and with the impurities discharge valve placed at the bottom.

It is very important to equip the filtration system with a suitable **by-pass** system that allows its exclusion if needed. See the following diagram for illustrative purposes.

- 1. Water inlet
- 2. Meter
- 3. Valves IN/OUT
- 4. Smile filter
- 5. By-pass
- 6. Drain
- 7. Check valve



MAINTENANCE

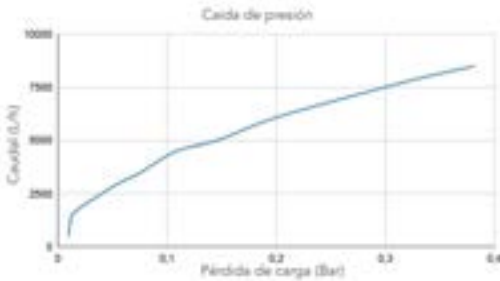
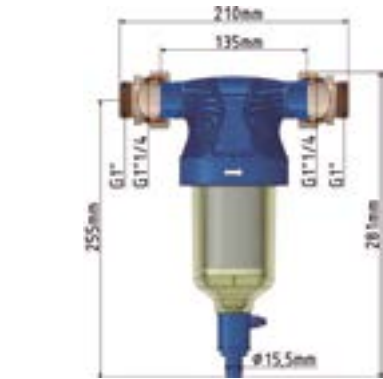
The equipment needs to have regular maintenance in order to run properly and maintain its performance. Periodically, depending on the quality of the treated water, the filter cartridge must be cleaned by placing it under a flow of running water in the opposite direction of filtration.

The filtering element must be replaced every 12 months and can be changed to a different gradation if necessary.

TECHNICAL CHARACTERISTICS

- INOX 304 filtering cartridge. 89 micron filtration degree.
- Maximum pressure 16 Bar.
- Maximum temperature 40°C
- 1 ¼" Connection female or 1" male from double plug included.
- Conforms to European standard 13443-1.

CODE	MODEL
FI-2019-10	Smile filter 1 ¼" FF o 1" MM
CA-2005-70	89 µm Smile cartridge



WOUND POLYPROPYLENE CARTRIDGES

String wound polypropylene cartridges.

- Maximum working temperature: 35°C
- High retention capacity
- Compatible with a wide range of chemicals
- Disposables

CODE	LENGTH	FILTRATION	FLOW (m³/h)	PCS/BOX
CA-0801-02	5"	5µm	0,5	48
CA-0801-03	5"	25µm	0,5	48
CA-0802-01	9 3/4"	1µm	0,8	24/50
CA-0802-02	9 3/4"	5µm	0,8	24/50
CA-0802-03	9 3/4"	25µm	1	24/50
CA-0802-04	9 3/4"	50µm	1	24/50
CA-0804-01	20"	1µm	1,6	24
CA-0804-02	20"	5µm	1,6	24
CA-0804-03	20"	25µm	2	24
CA-0804-04	20"	50µm	2	24
CA-0806-02	30"	5µm	2,4	24
CA-0808-02	40"	5µm	3,2	24
CA-0810-02	50"	5µm	4	24

MELT BLOWN POLYPROPYLENE CARTRIDGE

Melt blown polypropylene compact cartridge.

- Maximum working temperature: 35°C
- High retention capacity
- Compatible with wide range of chemical agents
- Disposable

CODE	LENGTH	FILTRATION	FLOW (m³/h)	PCS/BOX
CA-1202-01	9 3/4"	1µm	0,8	50
CA-1203-02	9 3/4"	5µm	0,8	50
CA-1202-03	9 3/4"	20µm	1	50
CA-1202-04	9 3/4"	50µm	1	50
CA-1204-01	20"	1µm	1,4	25
CA-1204-02	20"	5µm	1,4	25
CA-1204-03	20"	20µm	1,8	25
CA-1204-04	20"	50µm	2	25
CA-1206-01	30"	1µm	2,4	25
CA-1206-02	30"	5µm	2,8	25
CA-1206-03	30"	20µm	3	25
CA-1208-01	40"	1µm	3,2	25
CA-1208-02	40"	5µm	3,2	25
CA-1208-10	40"	10µm	3,6	25
CA-1208-03	40"	20µm	4	25





CAPX MELT BLOWN POLYPROPYLENE CARTRIDGE

Melt blown polypropylene compact cartridges.

- FDA Food Grade Approved
- Longer lifetime
- Compatible with a wide range of chemicals
- High retention capacity
- Maximum temperature 71°C ≤ 1 Bar

CODE	LENGTH	FILTRATION	FLOW (m³/h)	PCS/BOX
CA-1222-01	9 3/4"	1µm	0,7	40
CA-1222-02	9 3/4"	5µm	0,9	40
CA-1222-03	9 3/4"	20µm	1	40
CA-1222-04	9 3/4"	50µm	1	40
CA-1224-01	20"	1µm	1,4	20
CA-1224-02	20"	5µm	1,8	20
CA-1226-02	30"	5µm	2,7	15/20
CA-1228-01	40"	1µm	2,8	15/20
CA-1228-02	40"	5µm	3,6	15/20

WASHABLE MESH CARTRIDGES

Washable nylon mesh cartridges for 3-pieces cartridges.

- Polypropylene support
- Max. temperature: 30°C
- 60 µm filtration

CODE	MODEL	LENGTH.	FLOW (m³/h)	FILTRATION	PCS/BOX
CA-0202-00	GT	5"	1,2	60µm	48
CA-0202-01	GT	9 3/4"	2,5	60µm	24
CA-0202-10	GT	20"	4	60µm	24
CA-0202-12	SP600 Filter nylon mesh	20"	4	60µm	10
CA-0202-13	AP500 Filter nylon mesh	9 3/4"	2,5	60µm	10
IN-7806-20	GT Chlorine panel	5"		80µm	1

WASHABLE PLEATED CARTRIDGES

Washable polyester cartridge.

- Polypropylene support
- Max. temperature: 30°C

CODE	LENGTH	FILTRATION	FLOW (m³/h)	PCS/BOX
CA-1002-01	9 3/4"	0,35µm	0,8	24
CA-1002-02	9 3/4"	1µm	1	24
CA-1002-03	9 3/4"	5µm	1,5	50
CA-1002-04	9 3/4"	20µm	2	50
CA-1002-06	9 3/4"	50µm	2,5	50
CA-1004-02	20"	5µm	3	24
CA-1004-04	20"	20µm	4	24



CARBON CARTRIDGE

Transparent container filled with high efficiency activated carbon of coconut shell.

- Capacity of 9 ¾" container: 420 gr
- Maximum temperature 30°C

CODE	MODEL	LENGTH.	FLOW (m³/h)	PCS/BOX
CA-0402-01	420 gr carbon	9 3/4"	0,5	24



PROTECTION CARTRIDGE

Transparent container filled with crystal polyphosphate.

- Capacity of 9 ¾" container: 900 gr
- Maximum temperature 30°C

CODE	MODEL	LENGTH.	FLOW (m³/h)	PCS/BOX
CA-0404-01	900gr Protection	9 3/4"	1,5	24



MIXED BED RESIN CARTRIDGE

Transparent container filled with mixed bed resins for removing mineral salts.

Colour changes when resin is exhausted

CODE	MODEL	LENGTH.	VOL. (L)	FLOW (m³/h)	CAPACITY (L)			PCS/BOX
					20 ppm*	50 ppm*	500 ppm*	
CA-0408-01	Mixed bed	9 3/4"	0,7	0,025	800	325	32	24

* Total values in ppm refer to ppm total dissolved solids (TDS).



QUIMHIDRO TX-PLUS FILTER MEDIA

Quimhidro TX-Plus is the only filter media chemically pre-washed for **higher suspended solids retention**. It facilitates start-ups by reducing the time and water consumption in backwashing.

- Pre-washed filter media with 50% less volumetric weight than multilayer media.
- It has a surface area 10 times larger than sand and anthracite.
- Retains particles down to 1-5 microns vs. flint-anthracite, which retains up to 12-25 microns.
- Increases the production capacity of the system by at least 30%.
- Higher purity vs. silica sand.
- Product presentation: 28 litres bag.

Quimhidro TX-Plus is made from the highest purity mineral, which is chemically processed and washed to optimise its quality. This results in superior performance compared to other similar filter media currently on the market.



Higher filtration quality:
Removes particles between grains and cavities due to its large, porous surface.



Saves water and energy:
Generates 60% less water and energy cost in backwashing per year.



Ultraclear filtration:
Retains particles down to 1 to 5 microns due to its porous capabilities.

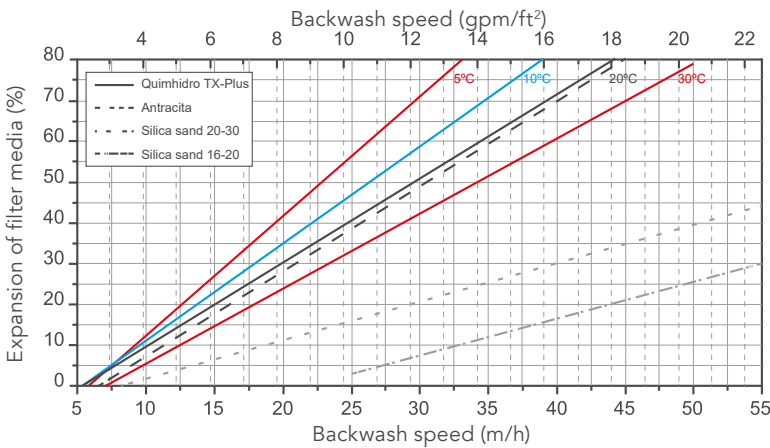


Tripled the filtration rate:
More porous filter media with higher permeability

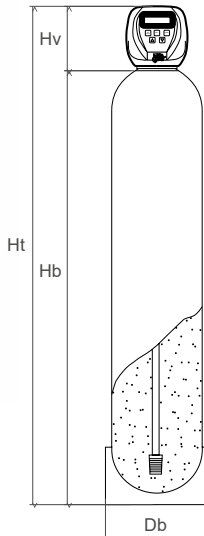
Complies with
UNE 16070



CERTIFIED TO
NSF/ANSI 61



CODE	MODEL	PARTICLE RETENTION (microns)	FLOW RATE (m³/h/m²)	SURFACE AREA (m²/g)	BULK DENSITY (Kg/L)
PQ-0602-21	Quimhidro TX-Plus filter media	1-5 nominal	15-30	35-40	0,72



CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
FI-1031-01	258	897	183	1080
FI-1031-02	336	1398	183	1581
FI-1031-03	413	1671	183	1854
FI-1031-13	491	1722	183	1927
FI-1031-04	555	1721	237	1958
FI-1031-05	635	1918	237	2155
FI-1031-06	780	1836	216	2052

TX-PLUS FILTERS

Filtration by means of **Quimhidro TX-Plus** load chemically prewashed for **greater retention of suspended solids**.

Quimhidro TX-Plus is made from a mineral of the highest purity, which is chemically processed and washed to optimize its quality. This results in superior performance compared to other similar filter media currently on the market.

The equipment remains in service until the predetermined day and time for washing, whether or not the volume of water corresponding to its work cycle has passed. At that moment, the washing phase begins.

During washing, the unfiltered water supply is not interrupted (except shut-off valve option).

FEATURES AND TECHNICAL SPECIFICATIONS

- **WSCi and WSH Clack valve with chronometric electronic programmer**
 - Working pressure: 2.5 to 6 Bar
 - Max. temperature: 40°C
 - Electrical supply: 220v - 12v 50Hz or 60Hz.
- Commissioning recommendations: perform 3-4 backwashes (without settling) prior to commissioning.

CODE	MODEL	CONN.	TX-PLUS LOAD (L)	MAX. FLOW (20m/h)*	MAX. FLOW (30m/h)*	BACK WASH (m³/h)
CLACK valve with electronic chronometric programmer						
FI-1031-01	10	1"	28	1	1,5	1,8
FI-1031-02	13	1"	70	1,7	2,5	3
FI-1031-03	16	1"	112	2,6	3,9	4,6
FI-1031-13	18	1 1/4"	168	3,6	5,4	6,6
FI-1031-04	21	1 1/2"	196	4,7	7,1	8,3
FI-1031-05	24	1 1/2"	308	6,1	9	10,6
FI-1031-06	30	2"	448	9,3	13,9	16,3
FI-1031-22	2H - 36	2"	644	13,5	20	23,7
FI-1031-24	2H - 42	2"	812	18,3	27	28,5
FI-1031-27	3H - 48	3"	1036	23,5	35	42

* Filtration speed

CODE	MODEL
AV-3002-22	Clack micro Kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Micro Clack 2" Kit
AV-3002-18	Kit micro plate extra 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	2" Shut-off valve
VA-3010-14	3" Shut-off valve



Turbidex® is a natural filter media composed of a high surface area aluminum-silicate mineral that provides exceptional filtration of suspended solids. The microporous nature of this media allows filtration at a **particle level of up to 5 microns nominal**. The irregular surface and high porosity of Turbidex® make it the perfect filter media for the **removal of suspended solids**.

Looking at the filter material under a scanning electron microscope, the granules reveal an angular shape, a rough surface and empty micropores as small as 3 microns. This creates a **surface area 100 times larger than traditional silica sand**. The angularity of the granules and the internal micropore spaces allow effective reduction of dirt, silt and suspended organic matter from the raw water.

The hydrophilic nature and structure of **Turbidex®** results in a lower pressure drop across the filter, allowing suspended solids to penetrate deeper into the filter bed and accumulate a higher sediment load, decreasing the preferential path problems associated with typical sand filters and increasing the time between backwashes. This ideal combination of particle, shape, texture and porosity makes it the best choice where filtered water quality is important.

ADVANTAGES:

- **High filtration efficiency:** with a filtration efficiency of up to 5 microns, it improves the cost savings of all downstream equipment, extending the time to change cartridges, clean the osmosis membrane, etc.
- **Water savings:** the load capacity of the Turbidex® is up to 1.5 times higher than a media filter and up to 2.8 times higher than sand filters. This results in longer and less frequent wash times, resulting in significant water savings. Up to 50% more water can be saved in the backwash, as it cleans faster than a conventional sand filter.

	TURBIDEX	MULTIMEDIA	SILICA
PRESSURED FILTERS (m³/h)	25-48	15-25	8-12
GRAVITY FILTERS (m³/h)	10-12	8-9	4-7
MICRONS	3 - 5 µ	12 - 15 µ	25 - 30 µ
LOAD CAPACITY	2,8 X	1,5 X	X

- **Higher throughput:** with nominal service flow rates up to 35 m³/m²/h in pressure filters, Turbidex® allows significant savings in initial equipment costs compared to traditional flint or anthracite flint media. Also, a Turbidex® substitution in a filter with traditional media allows for higher flow capacity with better results.
- **Lightweight filter media:** weighs 50-70% less than traditional media, which translates into substantial weight savings for the same volume load. It also makes washing easier than traditional flint, expanding more easily and making washing easier. It requires the same volume of material to change from sand to Turbidex®.
- **Superior water clarity:** To reduce turbidity, classical flint filter media rely on mechanisms that depend on mechanical stress to remove suspended solids. In addition to mechanical filtration, Turbidex uses ion exchange, sedimentation and flocculation to produce crystal clear water down to <1 NTU turbidity, depending on velocities.

CODE	MODEL	PACKAGE
PQ-0602-12	Turbidex filter media	28L



CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
FI-1030-01	258	897	183	1080
FI-1030-02	336	1398	183	1581
FI-1030-03	413	1671	183	1876
FI-1030-13	491	1722	183	1927
FI-1030-04	555	1721	237	1958
FI-1030-05	635	1918	237	2155
FI-1030-06	780	1836	216	2052

TURBIDEX FILTERS

Filtration of suspended solids by **Turbidex®** load for protection of installations and equipment in collective and industrial uses with low and medium flow.

Turbidex® is a natural filter media composed of a high surface area aluminum-silicate mineral that provides exceptional filtration of suspended solids. The microporous nature of this media allows filtration at a **particle level of up to 5 microns nominal**. The irregular surface and high porosity of Turbidex® make it the perfect filter media for the **removal of suspended solids**.

The equipment remains in service until the day and time predetermined for washing, whether or not the volume of water corresponding to its work cycle has passed. At that time, the washing phase begins.

During washing, the supply of unfiltered water is not interrupted (with the option of a shut-off valve).

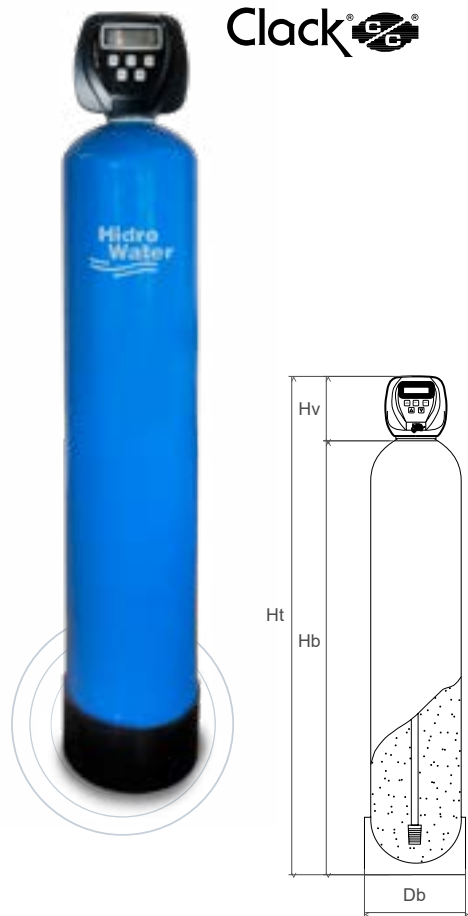
FEATURES AND TECHNICAL SPECIFICATIONS

- **WSCi and WSH Clack with chronometric electronic programmer**
 - Working pressure: 2.5 to 6 Bar
 - Max. temperature: 40°C
 - Electrical supply: 220v - 12v 50Hz o 60Hz.
- Commissioning recommendations: perform 3-4 backwashes (without settling) prior to commissioning.

CODE	MODEL	CONN.	TURBIDEX LOAD (L)	MAX FLOW (20m/h)*	MAX FLOW (30m/h)*	BACK WASH (m³/h)
Clack Valve with electronic timer programmer						
FI-1030-01	10	1"	28	1	1,5	1,8
FI-1030-02	13	1"	70	1,7	2,5	3
FI-1030-03	16	1"	112	2,6	3,9	4,6
FI-1030-13	18	1 1/4"	168	3,6	5,4	6,6
FI-1030-04	21	1 1/2"	196	4,7	7,1	8,3
FI-1030-05	24	1 1/2"	308	6,1	9	10,6
FI-1030-06	30	2"	448	9,3	13,9	16,3
FI-1030-22	2H - 36	2"	644	13,5	20	23,7
FI-1030-24	2H - 42	2"	812	18,3	27	28,5
FI-1030-27	3H - 48	3"	1036	23,5	35	42

* Filtration speed

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"



CODE	DIMENSIONES (mm)			
	Db	Hb	Hv	Ht
FI-1032-03	258	897	183	1080
FI-1032-05	336	1398	183	1581
FI-1032-06	363	1674	183	1879
FI-1032-07	413	1671	183	1876
FI-1033-10	491	1722	183	1927
FI-1034-12	555	1721	237	1958
FI-1034-14	635	1918	237	2155
FI-1036-16	780	1836	216	2052
FI-1036-18	938	1856	216	2072

SILEX-ANTHRACITE FILTERS

Filtration of suspended solids by Silex and Anthracite load, for the protection of equipment and facilities in collective use and small and medium flow industrial installations.

The equipment remains in service until the predetermined day and time of the backwash, whether the volume of filtered water corresponding to the programmed cycle has passed or not. At the programmed time, it will start the backwash.

FEATURES AND TECHNICAL SPECIFICATIONS

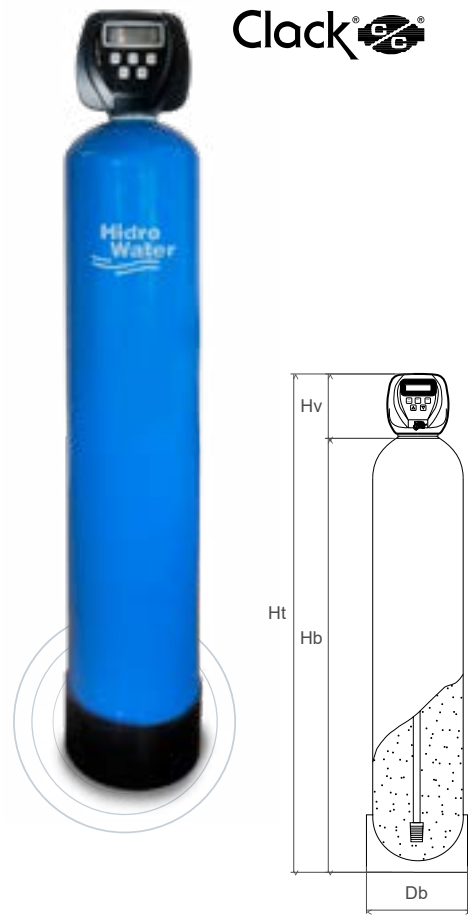
- **WSCi and WSH Clack valve with chronometric electronic programmer**
- Working pressure: 2,5 to 6 Bar
- Maximum temperature: 40°C
- Electrical voltage: 220v - 12v 50Hz or 60Hz

Resource Optimization:

By combining Flint (quartz sand) and Anthracite (high purity mineral coal), more efficient filtration is achieved thanks to their different densities and grain sizes.

CODE	MODEL	CONN.	LOAD (Kg)		FLOW (m³/h)			BACK WASH (m³/h)
			SILEX	ANTHRACITE	10	15	20	
Clack valve with electronic chronometric programmer								
FI-1032-03	CLACK-10	1"	20	10	0,5	0,7	1	1,8
FI-1032-05	CLACK-13	1"	60	20	0,8	1,3	1,7	3
FI-1032-06	CLACK-14	1"	90	30	1	1,5	2	3,5
FI-1032-07	CLACK-16	1"	90	40	1,3	1,9	2,6	4,6
FI-1033-10	CLACK-18	1 1/4"	120	60	1,8	2,6	3,6	6,4
FI-1034-12	CLACK-21	1 1/2"	180	70	2,4	3,5	4,7	8,3
FI-1034-14	CLACK-24	1 1/2"	240	100	3	4,4	6	10,6
FI-1036-16	CLACK-30	2"	390	140	4,6	6,9	9,3	16,3
FI-1036-18	CLACK-36	2"	540	200	6,7	10,1	13,5	23,7
FI-1036-20	CLACK2H-42	2"	725	250	9,1	13,7	18,3	32
FI-1036-25	CLACK3H-48	3"	1025	350	11,7	17,6	23,5	41,1

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"



CODE	DIMENSIONES (mm)			
	Db	Hb	Hv	Ht
FI-1038-03	258	897	183	1080
FI-1038-04	310	1232	183	1415
FI-1038-05	336	1398	183	1581
FI-1038-06	363	1674	183	1879
FI-1038-07	413	1671	183	1876
FI-1038-10	491	1722	183	1927
FI-1038-12	555	1721	237	1958
FI-1038-14	635	1918	237	2155
FI-1038-16	780	1836	216	2052
FI-1038-18	938	1856	216	2072



HP-0408-20

CRISTAL-WATER FILTERS

Automatic filters for the reduction of suspended solids present in the water by means of **CRISTAL WATER**, a high-performance technological filter medium, by reducing the proliferation of bacteria and algae that cause the caking and rendering of the filtering mass, thanks to the microscopically smooth surface of the particles reaching a degree of filtration of up to 5-10 microns..

FEATURES AND TECHNICAL SPECIFICATIONS

- **WSCi & WSH Clack with chronometric electronic programmer**
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220v - 12v 50Hz.
- Removal capacity: up to 7 times that of flint
- Granulometry: Minimum 0.4mm, average 0.7mm

- **The only filter media in the world that allows filtration for human consumption water according to EN-12904 regulation**
- Does not generate Biofilm

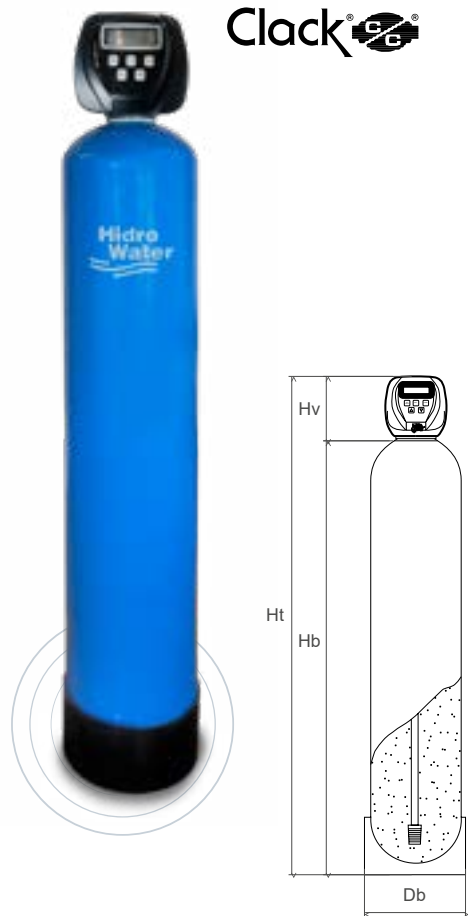
CRISTAL-WATER FILTER CERTIFICATE: EN-12904

Recommendations of use

- Carry out a 5-minute backwash before start-up.
- Choose suitable operating speed, depending on the desired water quality. At higher speed, a higher quantity of solids and of bigger size will pass through the filter material.
- To reach particles >1µ set to velocities of 6 m³/h/m²

CODE	MODEL	CONN.	LOAD (Kg)	FLOW (m³/h)			BACK WASH (m³/h)
				10	15	20	
Clack Valve with electronic timer programmer							
FI-1038-03	CLACK-10	1"	35	0,5	0,7	1	1,8
FI-1038-04	CLACK-12	1"	70	0,7	1,1	1,4	2,6
FI-1038-05	CLACK-13	1"	93	0,8	1,3	1,7	3,0
FI-1038-06	CLACK-14	1"	125	1	1,5	2	3,5
FI-1038-07	CLACK-16	1"	150	1,3	1,9	2,6	4,6
FI-1038-10	CLACK-18	1 1/4"	225	1,8	2,6	3,6	6,2
FI-1038-12	CLACK-21	1 1/2"	275	2,4	3,5	4,7	8,2
FI-1038-14	CLACK-24	1 1/2"	375	3	4,4	6	10,4
FI-1038-16	CLACK-30	2"	625	4,6	6,9	9,3	16,3
FI-1038-18	CLACK-36	2"	925	6,7	10,1	13,5	23,7
FI-1038-20	CLACK2H-42	2"	1125	9,1	13,7	18,3	28,4
FI-1038-22	CLACK3H-48	3"	1700	11,7	17,6	23,5	41,1

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"



CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
MN-1032-01	258	1386	183	1559
MN-1032-02	310	1232	183	1415
MN-1032-03	336	1398	183	1581
MN-1032-04	363	1674	183	1879
MN-1032-05	413	1671	183	1876
MN-1032-06	491	1722	183	1927
MN-1032-07	555	1721	237	1958
MN-1032-08	635	1918	237	2155
MN-1032-09	780	1836	216	2052
MN-1032-10	938	1856	216	2072

Pyrolusite



IRON AND MANGANESE REMOVAL WITH PYROLUSITE FILTER

Automatic filters for the removal of iron and manganese from water using flint of different granulometries and **Pyrolusite** (MnO_2).

In the presence of dissolved Oxygen, Pyrolusite exerts a strong catalytic oxidation action on the Fe and Mn, which precipitates and is trapped in the filter bed. Later, it is eliminated by backwash. It does not need to be regenerated, and it is not consumed during the process, thus having a very long shelf life.

In conditions of high turbidity and presence of H_2S , Ammonia or organic matter > 1.5ppm it decreases its elimination efficiency. The ideal pH for Mn removal is 7.8.

Pre-aeration may be necessary to reduce potential CO_2 concentrations (harmful to Pyrolusite), helping to adjust pH and providing dissolved Oxygen that will help the catalytic function of the material and its regeneration.

FEATURES AND TECHNICAL SPECIFICATIONS

- **WSCi and WSH with chronometric electronic programmer**
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220v - 12v 50Hz.
- pH adjustment required
- Retention: - Up to 5ppm (pH 7.2 min)
- Up to 1ppm manganese (pH 7.8 min.)
- **Pyrolusite Certificate: DIN EN 13752:2009**

CODE	MODEL	CONN.	SILEX LOAD (Kg)	MNO ₂ LOAD (Kg)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
MN-1032-01	CLACK-10	1"	50	25	0,6	1,5
MN-1032-02	CLACK-12	1"	60	35	0,8	2,2
MN-1032-03	CLACK-13	1"	75	50	1,0	2,6
MN-1032-04	CLACK-14	1"	100	65	1,2	3
MN-1032-05	CLACK-16	1"	125	75	1,5	3,9
MN-1032-06	CLACK-18	1 1/4"	175	100	2,0	5,5
MN-1032-07	CLACK-21	1 1/2"	225	125	2,8	7,1
MN-1032-08	CLACK-24	1 1/2"	325	175	3,4	9,1
MN-1032-09	CLACK-30	2"	500	300	5,4	14
MN-1032-10	CLACK-36	2"	775	425	7,9	18,2
MN-1032-12	CLACK2H-42	2"	950	550	10,7	27,4
MN-1032-16	CLACK3H-48	3"	1600	725	14	35,2

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"

IRON REMOVAL FILTER WITH BIRM

Filters for the removal of iron from water by means of **Birm** loading, for the protection of installations and equipment in collective and industrial uses of small and medium flow.

The equipment remains in service until the predetermined day and time for washing, whether or not the volume of water corresponding to its work cycle has passed. At that moment, the washing phase begins.

During washing the water supply with iron is not interrupted, (with optional shut-off valve).

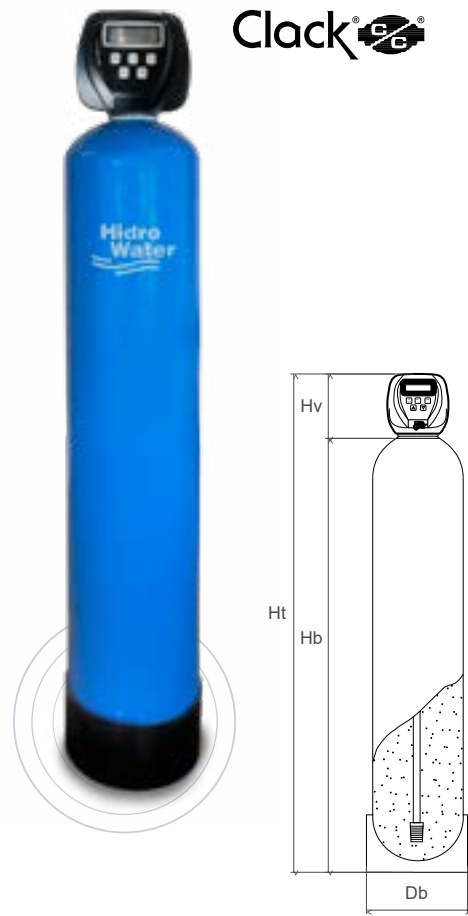
Birm (Burgess Iron Removal Media) is a filter media composed of grains coated with a special layer that acts as a catalyst to oxidize the Iron dissolved in the water. This material is not consumed during the process, making it an economical and sustainable solution.

FEATURES AND TECHNICAL SPECIFICATIONS

- **WSCi and WSH Clack with chronometric electronic programmer**
- Working pressure: 2.5 to 6 Bar
- Max. temperature: 40°C
- Electrical supply: 220v - 12v 50Hz
- Birm is not consumed in iron removal and its catalytic oxidation action means that no chemical addition is required.

CONDITIONING

- Minimum dissolved Oxygen: 15% iron content
- Free chlorine < 0.5 ppm
- Must not carry oils, polyphosphates or hydrogen sulphide
- pH between 6.8 and 9

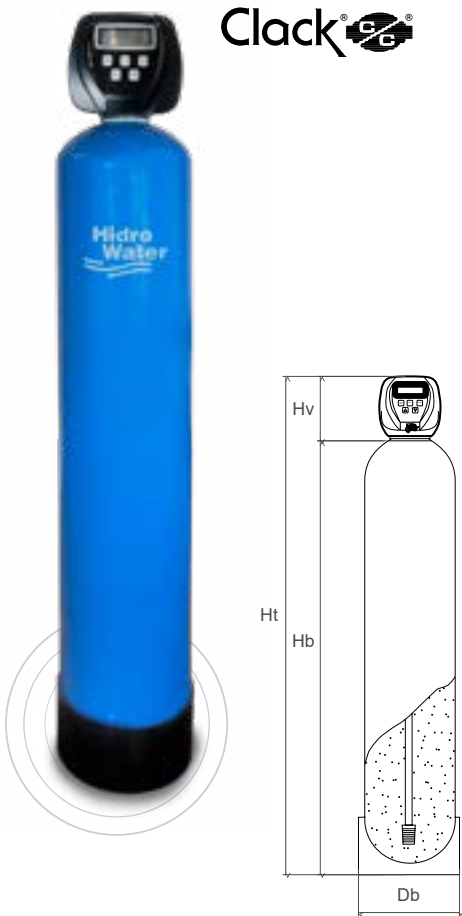


CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
EF-3002-06	336	1398	183	1581
EF-3002-07	363	1674	183	1879
EF-3002-08	413	1671	183	1876
EF-3002-09	416	1722	183	1927
EF-3002-10	550	1721	183	1926
EF-3002-14	626	1918	237	2155
EF-3002-16	780	1836	216	2052
EF-3002-18	938	1856	216	2072



CODE	MODEL	CONN.	BIRM LOAD (L)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
EF-3002-06	CLACK-80B	1"	80	0,8	2,3
EF-3002-07	CLACK-100B	1"	100	1	2,9
EF-3002-08	CLACK-125B	1"	125	1,3	3,8
EF-3002-09	CLACK-170B	1 1/4"	170	1,7	5,2
EF-3002-10	CLACK-200B	1 1/4"	200	2,2	6,6
EF-3002-14	CLACK-300B	1 1/2"	300	3	8,7
EF-3002-16	CLACK-450B	2"	450	4,5	13,6
EF-3002-18	CLACK-650B	2"	650	6,5	18

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"



DECHLORINATOR FILTER

Automatic water dechlorination filters using coconut shell activated carbon, for the protection of installations and equipment in collective and industrial uses with small and medium flow rates.

The equipment remains in service until the predetermined day and time for washing, whether or not the volume of water corresponding to its work cycle has passed. At that moment, the washing phase begins.

During washing, the chlorine water supply is not interrupted (with shut-off valve option).

This type of filter is used in industrial applications where chlorine can be harmful to processes, equipment or products.

FEATURES AND TECHNICAL SPECIFICATIONS

- WSCi and WSH with chronometric electronic programmer
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220v - 12v 50Hz.

CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
DC-3002-02	258	897	183	1080
DC-3002-03	258	1386	183	1569
DC-3002-04	336	1398	183	1581
DC-3002-05	363	1674	183	1879
DC-3002-06	413	1671	183	1876
DC-3002-10	491	1722	183	1927
DC-3002-12	555	1721	237	1958
DC-3002-14	635	1918	237	2155
DC-3002-16	780	1836	216	2052
DC-3002-18	938	1856	216	2072

CODE	MODEL	CONN.	LOAD (L)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
DC-3002-02	CLACK 10x35	1"	28	0,6	1,3
DC-3002-03	CLACK 10x54	1"	45	1	1,3
DC-3002-04	CLACK-13	1"	75	1,6	2,2
DC-3002-05	CLACK-14	1"	100	2	2,5
DC-3002-06	CLACK-16	1"	125	2,5	3,3
DC-3002-10	CLACK-18	1 1/4"	180	3,4	4,5
DC-3002-12	CLACK-21	1 1/4"	200	4	5,9
DC-3002-14	CLACK-24	1 1/2"	300	6	7,6
DC-3002-16	CLACK-30	2"	500	9	11,6
DC-3002-18	CLACK-36	2"	725	13	17
DC-3002-20	CLACK2H-42	2"	900	16	23
DC-3002-22	CLACK2H-48	2"	1200	20	30

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"



ORGANIC MATTER FILTERS

Automatic filters using granular activated carbon PQ-0602-04 on a thermally activated bituminous mineral base, with high hardness and excellent properties for water treatment, for the protection of installations and equipment in collective and industrial uses of small and medium flow.

The equipment, with CLACK valve, remains in service until the predetermined day and time for washing, whether or not the volume of water corresponding to its work cycle has passed. At that moment, the washing phase begins.

Most of the pores of PQ-0602-04 are in the low mesoporosity range, which makes it very suitable for water treatment, presenting an extraordinary capacity to adsorb intermediate molecular weight contaminants such as: organic matter removal, herbicides, pesticides, AOX (adsorbable organohalogenates) and water treatment with hydrocarbons (BTEX, phenols, etc.)

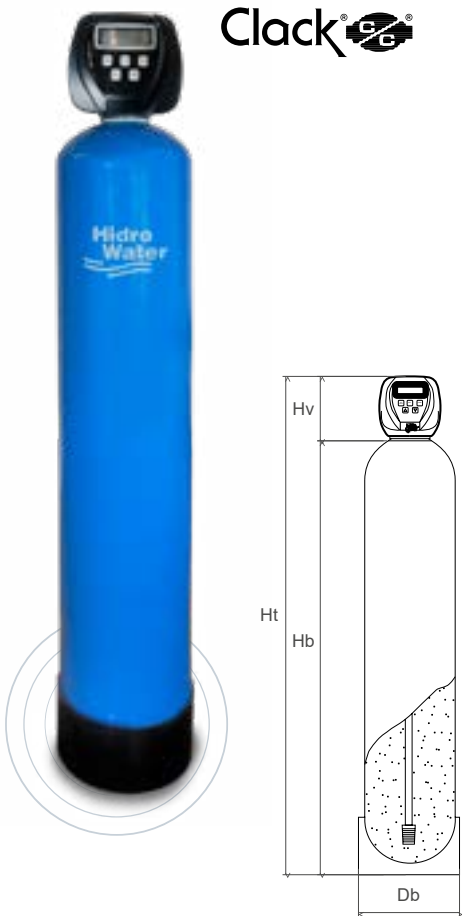
FEATURES AND TECHNICAL SPECIFICATIONS

- WSCi and WSH with chronometric electronic programmer
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220v - 12v 50Hz.

CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
DC-3602-03	258	1386	183	1569
DC-3602-04	336	1398	183	1581
DC-3602-05	363	1674	183	1879
DC-3602-06	413	1671	183	1876
DC-3602-10	491	1722	183	1927
DC-3602-12	555	1721	237	1958
DC-3602-14	635	1918	237	2155
DC-3602-16	780	1836	216	2052
DC-3602-18	938	1856	216	2072

CODE	MODEL	CONN.	LOAD (L)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
DC-3602-03	CLACK-10	1"	45	0,5	1,3
DC-3602-04	CLACK-13	1"	75	0,8	2,2
DC-3602-05	CLACK-14	1"	100	1	2,5
DC-3602-06	CLACK-16	1"	125	1,3	3,3
DC-3602-10	CLACK-18	1"	180	1,7	4,5
DC-3602-12	CLACK-21	1 1/4"	200	2,3	5,9
DC-3602-14	CLACK-24	1 1/4"	300	2,9	7,6
DC-3602-16	CLACK-30	1 1/2"	500	4,6	11,6
DC-3602-18	CLACK-36	2"	725	6,7	17
DC-3602-20	CLACK 2H-42	2"	900	9,1	23
DC-3602-22	CLACK 2H-48	2"	1200	11,7	30

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"



ARSENIC REMOVAL FILTERS

Automatic filters for removing arsenic from water using **Cullax** filter material.

Cullax is a product used primarily for the removal of arsenic from drinking water due to its high absorbent capacity.

The filter media is manufactured from high purity products and through a special and patented production process. Suitable for drinking water treatment processes.

FEATURES AND TECHNICAL SPECIFICATIONS

- WSCi Clack chronometric electronic programmer
- Working pressure: 2,5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220V - 12V 50Hz
- Adjusts pH to: 6.5
- Arsenic retention capacity, As: 7 –9 g/Kg

Fe(OH) Certificate: DIN EN 15029

CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
AS-3002-02	258	897	183	1080
AS-3002-03	310	1232	183	1415
AS-3002-04	336	1398	183	1581
AS-3002-05	363	1674	183	1879
AS-3002-06	413	1671	183	1876
AS-3002-10	491	1722	183	1927
AS-3002-12	555	1721	237	1958
AS-3002-14	635	1918	237	2155
AS-3002-16	780	1836	216	2052
AS-3002-18	938	1856	216	2072

CODE	MODEL	CONN.	LOAD (Kg)	NOMINAL FLOW (m³/h)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
Clack Valve with electronic timer programmer						
AS-3002-02	CLACK-10	1"	20	0,30	0,60	1,75
AS-3002-03	CLACK-12	1"	38	0,59	1,18	2,46
AS-3002-04	CLACK-13	1"	53	0,81	1,62	2,98
AS-3002-05	CLACK-14	1"	72	1,11	2,22	3,64
AS-3002-06	CLACK-16	1"	87	1,33	2,66	4,42
AS-3002-10	CLACK-18	1 ¼"	125	1,96	3,92	5,92
AS-3002-12	CLACK-21	1 ½"	150	2,38	4,76	8,22
AS-3002-14	CLACK-24	1 ½"	225	3,34	6,68	10,06
AS-3002-16	CLACK-30	2"	350	5,38	10,76	15,88
AS-3002-18	CLACK-36	2"	525	7,97	15,94	18,20
AS-3002-20	CLACK2H-42	2"	630	9	19	27,4
AS-3002-22	CLACK3H-48	3"	840	12	25	36

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"
VA-3010-14	Shut-off valve 3"



AUTOMATIC NEUTRALIZATION FILTERS

Filter with a single filter bed, **Calcite (granulated calcium carbonate)**. This media slowly dissolves on contact with acidic water, raising its pH, hardness and alkalinity and removing excessive carbon dioxide from the water.

When properly applied, it corrects the pH sufficiently to reach a non-corrosive equilibrium. Under normal conditions it does not overcorrect due to its self-limiting effect. For waters with pH 5-7.

Calcite is consumed in neutralisation, it has to be replenished periodically.

The neutralization filter raises the pH of acidic water (<7) or reduces it in the case of excessively alkaline water (>7) to achieve a neutral balance.

FEATURES AND TECHNICAL SPECIFICATIONS

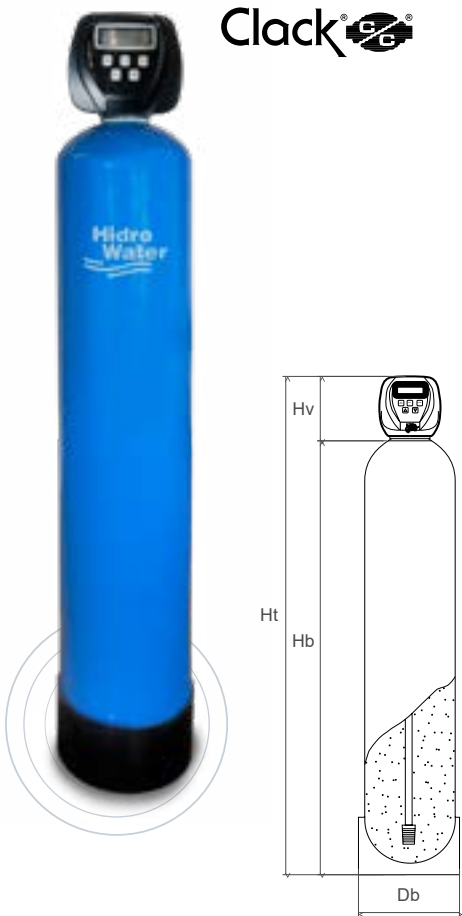
- WSCi Clack chronometric electronic programmer
- Working pressure: 2,5 to 6 Bar
- Maximum temperature: 40°C
- Electrical supply: 220V - 12V 50Hz

Calcite filter certificate: EN 1018 type 1

CODE	DIMENSIONS (mm)			
	Db	Hb	Hv	Ht
FC-1030-01	258	897	183	1080
FC-1030-02	310	1232	183	1415
FC-1030-03	336	1398	183	1581
FC-1030-05	363	1674	183	1879
FC-1030-07	413	1671	183	1876
FC-1030-09	491	1722	183	1927
FC-1030-04	555	1722	237	1959
FC-1030-10	635	1918	237	2155
FC-1030-06	780	1836	216	2052
FC-1030-08	938	1856	216	2072

CODE	MODEL	CONN.	LOAD (Kg)	NOMINAL FLOW (m³/h)	MAX. FLOW (m³/h)	WASH FLOW (m³/h)
Clack Valve with electronic timer programmer						
FC-1030-01	CLACK-10	1"	60	0,4	0,70	1,0
FC-1030-02	CLACK-12	1"	75	0,56	0,98	1,4
FC-1030-03	CLACK-13	1"	100	0,68	1,19	1,7
FC-1030-05	CLACK-14	1"	125	0,83	1,46	2,08
FC-1030-07	CLACK-16	1"	150	1,01	1,77	2,53
FC-1030-09	CLACK-18	1"	200	1,49	2,42	3,31
FC-1030-04	CLACK-21	1 ¼"	250	2,08	3,38	4,61
FC-1030-10	CLACK-24	1 ¼"	350	2,54	4,14	5,65
FC-1030-06	CLACK-30	1 ½"	575	4,08	6,64	9,07
FC-1030-08	CLACK-36	2"	875	5,94	9,67	13,21
FC-1030-12	CLACK-42	2"	1075	8,00	13,02	17,78
FC-1030-14	CLACK 2H-48	2"	1450	9,4	16,4	29

CODE	MODEL
AV-3002-22	Clack micro kit 1" - 1 1/4" - 1 1/2"
AV-3402-04	Clack micro kit 2"
AV-3002-18	Kit extra board 2H and 3H
VA-3002-12	Shut-off valve 1" - 1 1/4"
VA-3004-12	Shut-off valve 1 1/2"
VA-3005-12	Shut-off valve 2"



ECOMIX FILTER

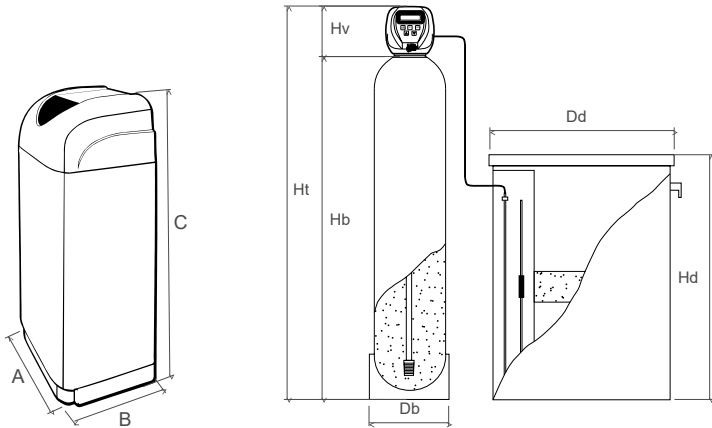
Removal of Iron, Manganese, organic matter, Ammonia and water hardness combined in a single filter.

WS1Ci DF Clack meter valve with digital programmer and delayed regeneration or immediate downflow.

- GRP vessel reinforced in polyester
- Regeneration frequency of 1 to 28 days
- Hardness mixer included
- Turbine for the volume control of the treated water
- 1" Connection
- Salt consumption: 100 g/litre
- Working pressure: 2.5 to 6 Bar
- Max. temperature: 40 °C
- Power supply: 220V-12V

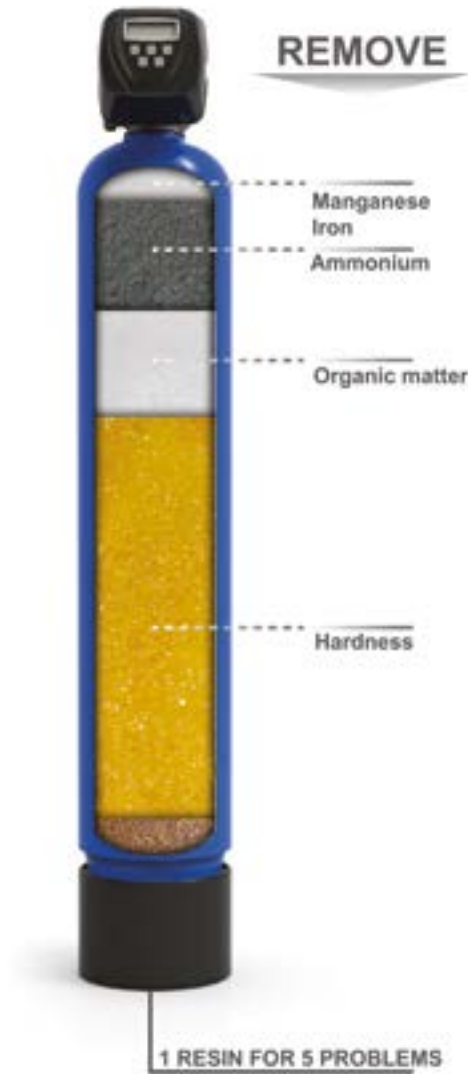
AVAILABLE IN 2 OPTIONS:

- Compact version with domestic-type cabinet,
- Bibloc equipment, with separate bottle



CODE	DIMENSIONS (mm)					
	A	B	C			
ED-5002-02	320	500	670			
ED-5002-05	320	500	1140			
	Db	Hb	Hv	Ht	Dd	Hd
ED-5202-02	258	897	183	1080	445	680
ED-5202-04	258	1386	183	1569	500	750
ED-5202-05	310	1232	183	1415	500	750
ED-5202-07	363	1674	183	1879	530	1000
ED-5202-08	413	1671	183	1876	530	1000
ED-5202-12	555	1721	183	1926	905	1141

CODE	MODEL	RESIN (L)	WORK FLOW (m³/h)	SALT INTAKE (Kg)	SALT TANK (L)
COMPACT SOFTENER					
ED-5002-02	FKC 1017	12	1,3	1,2	-
ED-5002-05	FKC 1035	25	1,3	2,5	-
BIBLOC WATER SOFTENER					
ED-5202-02	FK 1035	25	1,3	2,5	100
ED-5202-04	FK 1054	37	1,3	3,7	150
ED-5202-05	FK 1248	50	1,7	5	150
ED-5202-07	FK 1465	75	2	7,5	200
ED-5202-08	FK 1665	100	2,6	10	200
ED-5202-12	FK 2162	150	4,1	15	500



ECOMIX

ECOMIX® is a homogeneous mixture of 5 ion exchange resins (natural and synthetic) and adsorption materials with catalyst properties. Unique filtration media with advanced technology that solves 5 typical problems typical of well water in just one step.

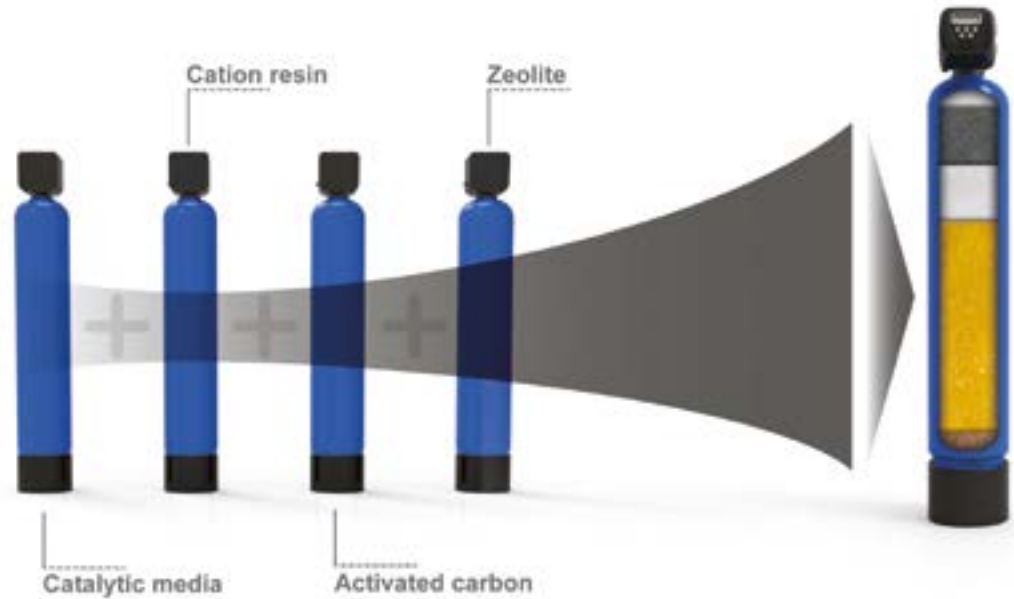
The material can be regenerated with salt and does not require a large flow of water, compared to other technologies.

KEY BENEFITS

- **UNIVERSAL SOLUTION:** In a single system most water problems are solved
- **PROVEN TECHNOLOGY:** Great experience gained over 10 years, with 4 patents
- **EASE TO CALCULATE:** In order to calculate the system capacity just consider water hardness
- **LONG LIFE:** Duration up to 10 years, two-year manufacturer's warranty.
- **LOW WATER CONSUMPTION:** During regeneration
- **LOW SALT CONSUMPTION:** Only 100 gr/ litre.

CODE	MODEL
PQ-0604-20	Ecomix 12L
PQ-0604-22	Ecomix 25L

	Hardness ppm	Fe ppm	Mn ppm	DQO (KMNO ₄) ppm	Ammonium (NH ₄) ppm	TDS ppm
Water inlet	< 750	< 15	< 3	< 80	< 4	< 4000
Water outlet	Max 20	< 0,2	< 0,05	< 8	< 0,05	It does not change





INDUSTRIAL FILTRATION

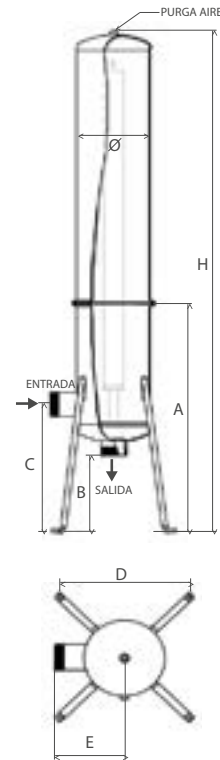
	STAINLESS STEEL MULTI-CARTRIDGE FILTER	46
	BAG FILTERS	47
	PVC MULTI-CARTRIDGE FILTER	48
	HF FILTER	49
	C SELF CLEANING MESH FILTERS	50
	S SELF CLEANING MESH FILTERS	52
	A SELF CLEANING MESH FILTERS	54
	F SELF CLEANING MESH FILTERS	56
	WOUND FILTERS	58
	VALVE BATTERIES	63

STAINLESS STEEL MULTI-CARTRIDGE FILTER

Multi-cartridge filter made of AISI 316 stainless steel of high quality and advanced design, able to withstand aggressive environments and improve the overall performance of the installation.

Used for a wide range of applications: dairy industry, drinking water, desalination, electronics, beverages, pharmaceuticals, paper, waste water...

- Material: AISI 316 stainless steel EN 1.4404
- Finishing: ceramic blasting
- Seal: EPDM
- Max. pressure: 10 Bar
- Max. temperature: 80 °C
- Type of cartridge: DOE
- Air purge: 1/2"
- Drain: 1/2"



CODE	MODEL	CONNECTION	* MAX. FLOW(m³/h)	CARTRIDGE No.	CARTRIDGE LENGTH
FI-0215-01	3 x 20	2" BSPT	6	3	20"
FI-0215-02	3 x 40	2" BSPT	12	3	40"
FI-0215-03	7 x 20	2 1/2" BSPT	15	7	20"
FI-0215-04	7 x 40	2 1/2" BSPT	30	7	40"
FI-0215-06	9 x 40	DN80 PN10	37	9	40"
FI-0216-06	15 x 40	DN100 PN10	65	15	40"

*Maximum flow rate without cartridges

CODE		DIMENSIONS (mm)						
		Height (H)	Diameter (Ø)	A	B	C	D	E
FI-0215-01	3 x 20	1125	168	750	270	420	315	150
FI-0215-02	3 x 40	1630	168	750	270	420	315	150
FI-0215-03	7 x 20	1130	219	750	250	410	355	190
FI-0215-04	7 x 40	1635	219	750	250	410	355	190
FI-0215-06	9 x 40	1748	273	1151	360	550	498	217
FI-0216-06	15 x 40	1740	324	-	300	550	386	227

Please consult for larger sizes

CAPX MELT BLOWN POLYPROPYLENE CARTRIDGE

Compact cartridges made of extruded polypropylene.

- FDA Food Grade Approved
- Longer service life
- Compatible with a wide range of chemicals
- High retention capacity
- Maximum temperature 71°C ≤ 1 Bar

CODE	LENGTH	FILTRATION	FLOW (m³/h)	PCS/BOX
CA-1224-01	20"	1µm	1,4	20
CA-1224-02	20"	5µm	1,8	20
CA-1228-01	40"	1µm	2,8	20
CA-1228-02	40"	5µm	3,6	20



BAG FILTER

AISI 304 stainless steel housing (Filter Bag), made to accommodate standard filter bags, size 2".

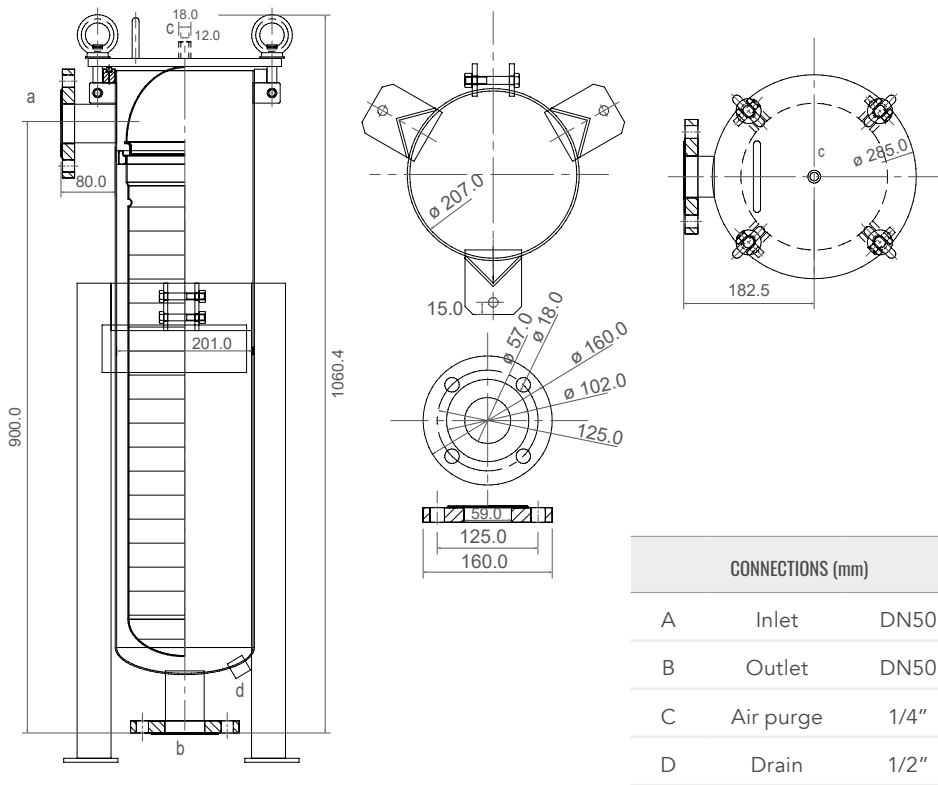
This simple but effective system allows, through the rotation of the internal basket handle, a perfect sealing, and at the same time prevents any leakage of the filter bag.

These containers are used in the filtration of process water, chemicals, paints, resins, oils, food and beverages, especially for the filtration of liquids with a high proportion of suspended solids.

- Maximum pressure: 8 Bar
- Air Purge: 1/2"
- Adjustable legs

CODE	MODEL	BAGS No	BAG DIMENSION (mm)	CONN.	MAX. FLOW(m³/h)	WEIGHT (Kg)
FI-0212-12	FBT2	1	Ø180x770	DN50	30*	20

* Flow without bag filter. Loss of pressure: 0.2 Bar. Measures may vary.



CODE	DESCRIPTION	DIMENSIONS (mm)	MATERIAL	FILTRATION	MÁX. FLOW (m³/h)
CA-3426-02	T2 filter bag	Ø 180x h820	PP	5µm	11
CA-3426-06	T2 filter bag	Ø 180x h820	PP	25µm	22
CA-3426-08	T2 filter bag	Ø 180x h820	PP	50µm	26
CA-3426-10	T2 filter bag	Ø 180x h820	PP	100µm	28
CA-3426-12	T2 filter bag	Ø 180x h820	PP	300µm	30

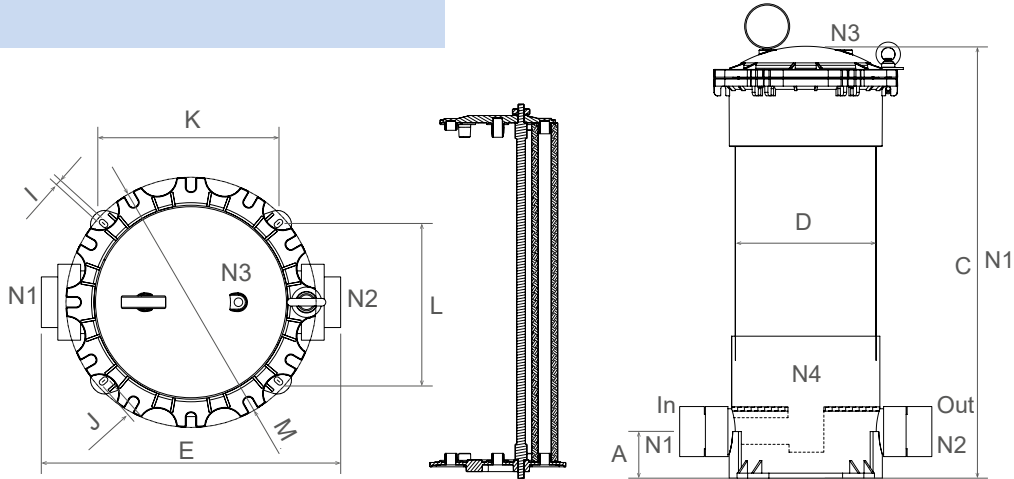
PVC

MULTI-CARTRIDGE FILTER

PVC-U multi-cartridge filter housings for 5 or 9 cartridges with flanged top opening, with 2 female inlet/outlet connections for glueing, two 1/4" threaded connections for pressure gauges, purge valve and for filter drainage.

All internal material of the filter housing and all internal spare parts are made of PVC-U for high resistance to chemical corrosion.

- Opening gasket and EPDM collector gaskets
- Design pressure = 6.0 bar at 25°C
- Hydraulic test pressure = 7.8 bar
- Max Δp = 1.4 bar
- Operating temperature = 5 - 40 °C
- Suggested tightening torque 6-8 Nm
- Suitable for DOE cartridges
- Cartridge dimensions: ID 28÷30 mm, Ø65 mm and length 40"
- The 940 multi-cartridge filter has a 1" BSPT M drain connection (+ F 20 mm for glueing)



CODE	DIMENSIONS (mm)										
	A	C	ØD	E	ØI	J	K	L	M	N1N2	N3
FI-0223-01	75	1215	225	473	10		187,5	186	Ø290	Male thread mouth diameter D.50 PVC. The filter includes a 3-piece link to glue to D.50.	2 180° female 1/4" threads for plug or pressure gauge
FI-0223-02	69	1245	315	510	9	15	276	249	Ø395	Male thread mouth diameter D.90 PVC. The filter includes a 3-piece link to glue to D.90.	Male thread mouth diameter D.20 PVC. The filter includes a 3-piece link to glue to D.20.

CODE	MODEL	CARTRIDGES No.	CONNECTIONS	WEIGHT	CAPACITY (L)
FI-0223-01	540 PVC Housing Multicartridge	5 x 40"	IN OUT D.50 glue	14,4 Kg	38,2
FI-0223-02	940 PVC Housing Multicartridge	9 x 40"	IN OUT D.90 glue	26 Kg	74,3



FIBERGLASS HF FILTERS

- Made of FRP fiberglass
- Maximum working pressure: 10 bar
- Hydraulic test pressure: 15 bar
- Maximum working temperature: 50°C
- Cartridge height: 20"
- Filtration efficiency: 95%

CODE	MODEL	CONNECTIONS
FI-6501-20	HFV120 Filter - 1 x 20" cartridge	FLANGE DN80 PN16
FI-6502-20	HFV220 Filter - 2 x 20" cartridges	FLANGE DN80 PN16
FI-6602-20	HFH220 Filter - 2 x 20" cartridges	VITAULIC 3"
FI-6603-20	HFH320 Filter - 3 x 20" cartridges	VITAULIC 3"



PP COMPACT HF CARTRIDGES

- Made of compact polypropylene
- Cartridge height: 20"
- Microns: 1 / 5 / 20 / 50
- Double filtration gradient
- Filtration efficiency: 95%

PLEATED HF CARTRIDGES

- Made of pleated polypropylene
- Cartridge height: 20"
- Microns: 1 / 5 / 10 / 20 / 50
- Double filtration gradient
- Maximum differential pressure at 20°C: 2 Bar
- Recommended differential pressure for change: 1 Bar
- Filtration efficiency: 95%

CODE	MODEL	MICRONS	MAX. FLOW(L/h)	FILTRATION AREA
CA-6501-01	HF 20" 1 micron compact cartridge	1-10μ	12.000	0,27 m²
CA-6501-05	HF 20" 5 micron compact cartridge	5-20μ	18.000	0,27 m²
CA-6501-20	HF 20" 20 micron compact cartridge	20-50μ	18.000	0,27 m²
CA-6501-50	HF 20" 50 micron compact cartridge	50-90μ	18.000	0,27 m²
CA-6502-01	HF 20" 1 micron pleated cartridge	1μ	12.000	3,40 m²
CA-6502-05	HF 20" 5 micron pleated cartridge	5μ	18.000	3,40 m²
CA-6502-10	HF 20" 10 micron pleated cartridge	10μ	18.000	3,40 m²
CA-6502-20	HF 20" 20 micron pleated cartridge	20μ	18.000	3,40 m²
CA-6502-50	HF 20" 50 micron pleated cartridge	50μ	18.000	3,40 m²

SELF CLEANING FILTER

FMAHW-C SERIES

APPLICATIONS

- Pre-filtration in UF systems.
- Evaporation towers.
- Spray nozzle protection.
- Heat exchangers.
- Irrigation.
- Drinking water.

FEATURES AND TECHNICAL SPECIFICATIONS

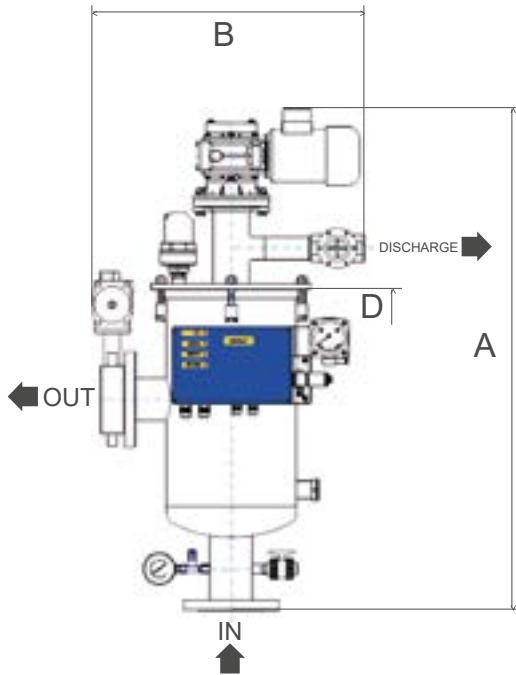
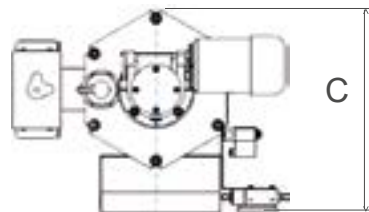
- Interrupted service during washing
- Filtration degree from 800 to 80 µm on polyester mesh/ AISI 316.
- Maximum flow rate 1000 m³/h with a single filter.
- Minimum quantity of water at discharge.
- A switchboard controls the washing phases.
- Wash duration: 20 sec
- Maximum size of inlet particles: 10 mm
- Max. total suspended solids at inlet 125 micron: 30 mg/L
- Min-max pressure: 0,5 - 10 Bar
- Maxim temperature: 40°C
- Power supply: 400v 50/60 Hz
- Pneumatic supply: 2 -8 Bar



Horizontal version available.
Consult technical department

Flow rate table of the FMAHW-CV mesh filter (m³/h)

MODEL	800 µm PES AISI316	500 µm PES AISI316	300 µm PES AISI316	200 µm PES AISI316	125 µm PES AISI316	80 µm PES AISI316	AVAILABLE CONNECTIONS
FMAHWCV10	50	50	50	50	57	37	2/3
FMAHWCV15	80	80	80	80	80	55	2/3/100
FMAHWCV30	140	140	140	140	140	95	3/100/150
FMAHWCV45	205	205	205	205	205	145	100/150
FMAHWCV60	275	275	275	275	275	193	100/150/200
FMAHWCV75	360	360	360	360	360	250	150/200/250
FMAHWCV90	685	685	685	685	455	319	150/200/250
FMAHWCV130	1030	1030	1030	1030	685	480	200/250/350



OPERATION

Water enters the filter through the inlet (IN), passes through the filter cylinder from the inside to the outside, and is retained by the filter cylinder; it retains all suspended solids larger than or equal to the installed filtration grade. The filtered water exits through the outlet pipe (OUT).

REGENERATION

The continuous settling of suspended solids obstructs the passage of water which results in a pressure difference (ΔP). At a preset value of ΔP (range 0.3 ÷ 1 Bar) an automatic cycle will start to clean the filter cylinder. This operation starts with a signal that closes the outlet valve, which clears the ΔP, and opens the discharge valve. At the same time the electric motor rotates the brushes in the filtering cylinder to clear away the contaminant that is ejected through the discharge valve.

The cleaning cycle takes approximately 20 seconds.

MODEL	DIMENSIONS (mm)				WEIGHT EMPTY (Kg)	WEIGHT IN OPERATION (Kg)
	A	B	C	D		
FMAHWCV10	720	485	310	450	34	42
FMAHWCV15	870	485	310	600	40	51
FMAHWCV30	970	705	430	640	59	91
FMAHWCV45	1220	705	430	885	72	116
FMAHWCV60	1470	705	430	1130	85	143
FMAHWCV75	1750	790	490	1160	127	214
FMAHWCV90	1865	970	590	1160	223	361
FMAHWCV130	2180	1120	700	1690	305	618

CODE	MODEL	CONNECTION**	DISCHARGE CONNECTION (F)	DRAINING CONNECTIONS	EXTRA FLOW DURING WASHING (m³/h)	POWER SUPPLY (W)
FI-3220-10	FMAHWCV10	2"	1"	1/2" F	2	90
FI-3220-15	FMAHWCV15	3"	1"	1/2" F	3	90
FI-3220-30	FMAHWCV30	DN100	1"1/2	1/2" F	4	180
FI-3220-45	FMAHWCV45	DN150	1"1/2	1/2" F	7	180
FI-3220-60	FMAHWCV60	DN200	1"1/2	1/2" F	9	180
FI-3200-75	FMAHWCV75	DN250	1"1/2	1/2" F	9	180
FI-3220-90	FMAHWCV90	DN300	1"1/2	1" F	9	370
FI-3220-130	FMAHWCV130	DN350	2"	1" F	15	370

SELF CLEANING FILTER

FMAHW-S SERIES

APPLICATIONS

- Pre-filtration in UF systems.
- Evaporation towers.
- Spray nozzle protection.
- Heat exchangers.
- Irrigation.
- Sea water

FEATURES AND TECHNICAL SPECIFICATIONS

- Continuous flow including during washing phase.
- Filtration degree from 2000 to 25 µm on polyester mesh/ AISI 316.
- Maximum flow rate 1000 m³/h with a single filter.
- Minimum quantity of water at discharge.
- A switchboard controls the washing phases.
- Wash duration: 15 sec
- Maximum size of inlet particles: 3 mm
- Max. total suspended solids at inlet - 125 micron - mg/L: 100
- Pressure: 0,5 - 10 Bar
- Maximum temperature: 40°C
- Power supply: 400v 50/60 Hz
- Pneumatic supply: 2 -8 Bar

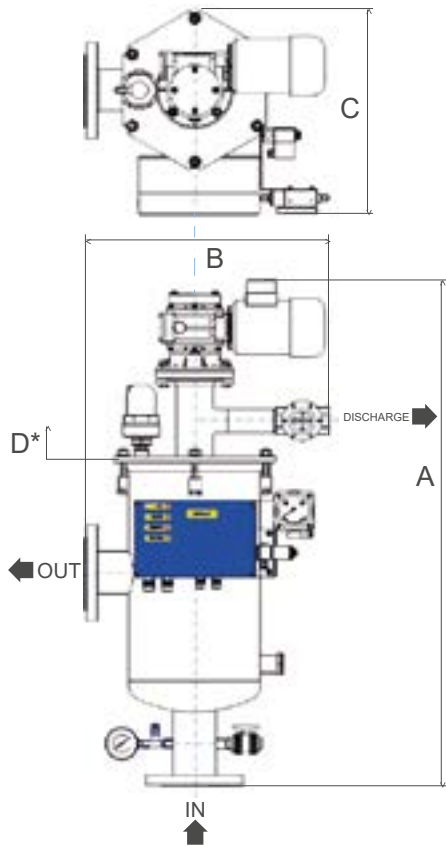


Horizontal version available.
Consult technical department

Flow rate table of the FMAHW-SV mesh filter (m³/h)

MODEL	500 µm PES AISI316	300 µm PES AISI316	200 µm PES AISI316	125 µm PES AISI316	80 µm PES AISI316	50 µm PES AISI316	25 µm PES AISI316	AVAILABLE CONNECTIONS
FMAHWSV10	50	50	50	50	37	26	13	2/3
FMAHWSV15	80	80	80	80	55	40	19	2/3/100
FMAHWSV30	140	140	140	140	95	70	34	3/100/150
FMAHWSV45	205	205	205	205	145	103	51	100/150
FMAHWSV60	275	275	275	275	193	138	69	100/150/200
FMAHWSV75	360	360	360	360	250	180	90	150/200/250
FMAHWSV90	685	685	685	455	319	228	114	150/200/250
FMAHWSV130	1030	1030	1030	685	480	340	171	200/250/350

The flow rates indicated refer to a pressure drop of 0.2 bar with clean, filtered water.



OPERATION

The water enters the filter through the IN inlet and passes through the filter cylinder from the inside to the outside. It will retain all suspended solids equal to or larger than the installed filtration grade. The filtered water exits through the outlet pipe (OUT).

REGENERATION

The continuous settling of suspended solids inside the filtering cylinder obstructs the passage of water which results in a pressure difference (ΔP). At a preset value of ΔP (range 0.3 ÷ 1 Bar) an automatic cycle will start to clean the filter cylinder. This operation begins with a signal that opens the discharge valve and creates communication between the suction nozzles with the outside environment. At the same time, the electric motor creates a rotating motion which enables the nozzles to inspect the filtering surface. Dirt is ejected through the discharge valve

The cleaning cycle takes approximately 15 seconds

MODEL	DIMENSIONS (mm)				WEIGHT EMPTY (Kg)	WEIGHT IN OPERATION (Kg)
	A	B	C	D		
FMAHWSV10	720	420	310	450	28	36
FMAHWSV15	870	420	310	600	34	45
FMAHWSV30	970	650	430	640	51	83
FMAHWSV45	1220	650	430	885	62	106
FMAHWSV60	1470	650	430	1130	75	133
FMAHWSV75	1750	725	490	1160	115	202
FMAHWSV90	1865	905	590	1160	208	346
FMAHWSV130	2180	1050	700	1690	285	598

CODE	MODEL	CONNECTION**	DISCHARGE CONNECTION (F)	DRAIN CONNECTIONS	EXTRA FLOW DURING WASHING (m³/h)	POWER SUPPLY (W)
FI-3240-10	FMAHWSV10	2"	1"	1/2" F	2	90
FI-3240-15	FMAHWSV15	3"	1"	1/2" F	3	90
FI-3240-30	FMAHWSV30	DN100	1" 1/2	1/2" F	4	180
FI-3240-45	FMAHWSV45	DN150	1" 1/2	1/2" F	7	180
FI-3240-60	FMAHWSV60	DN150	1" 1/2	1/2" F	9	180
FI-3240-75	FMAHWSV75	DN150	1" 1/2	1/2" F	9	180
FI-3240-90	FMAHWSV90	DN200	1" 1/2	1" F	9	370
FI-3240-130	FMAHWSV130	DN250	2"	1" F	15	370

** Otras conexiones disponibles. Consultar precio.

A SERIES MESH FILTER SELF-CLEANING BY SUCTION

APPLICATIONS

- Prefiltration in UF systems.
- Evaporation towers.
- Protection of spray nozzles.
- Heat exchangers.
- Irrigation
- Drinking water

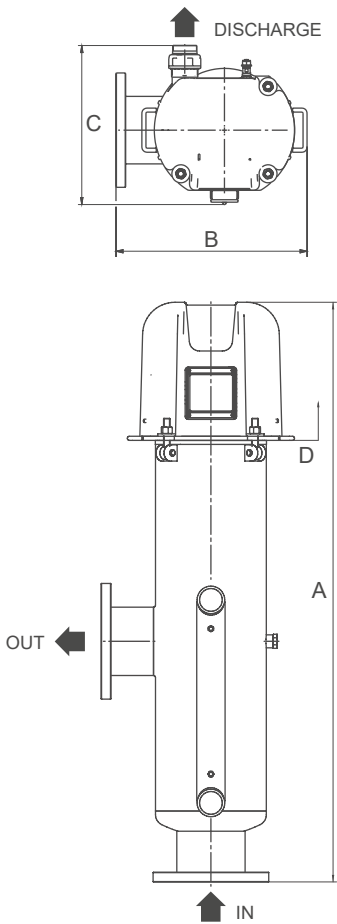
FEATURES AND TECHNICAL SPECIFICATIONS

- Supply interruption during the washing phase.
- Filtration grade from 800 to 50 µm in AISI 316 mesh.
- Maximum flow rate of 270 m³/h with a single filter.
- Minimum amount of water in the discharge.
- With control panel for the washing phases.
- Washing duration: 10 seconds
- Maximum particle size at the inlet: 3 mm
- Maximum suspended solids at the inlet with mesh of 50 mg/L (50-80 µm) -100 mg/L (125-200-300-500 µm) 30 mg/L
- Pressure: 0.5 - 10 Bar
- Maximum temperature: 50°C
- Power supply: 12 Volt DC 10A / 120 Watt
- Pneumatic supply: 2 -8 Bar



Mesh filter flow rate table (m³/h)

MODEL	800 µm PL AISI316	500 µm PL AISI316	300 µm PL AISI316	200 µm PL AISI316	125 µm PL AISI316	80 µm PL AISI316	50 µm PL AISI316
HW-FMAV50	27	27	27	27	27	27	27
HW-FMAV80	54	54	54	54	54	54	54
HW-FMAV100	108	108	108	108	108	108	108
HW-FMAV125	144	144	144	144	144	144	144
HW-FMAV150	198	198	198	198	198	198	198
HW-FMAV200	270	270	270	270	270	270	270



OPERATION

Water enters the filter through the inlet (IN), passes through the filter cylinder from the inside out, and this retains suspended particles; it retains all suspended solids larger than or equal to the installed filtration grade. The filtered water exits through the outlet pipe (OUT).

REGENERATION

The continuous settling of suspended solids obstructs the passage of water, resulting in a pressure difference (ΔP). At a preset value of ΔP (range 0.3 ÷ 1 Bar) an automatic cycle will start to clean the filter cylinder. This operation begins with a signal that closes the outlet valve, and opens the discharge valve. At the same time the electric motor rotates the brushes in the filter cylinder to remove the remains of suspended solids that are expelled through the discharge valve.

The cleaning cycle takes approximately 10 seconds.

CODE	DIMENSIONS (mm)					
	A	B	C	D	WEIGHT EMPTY (Kg)	WEIGHT IN OPERATION (Kg)
FI-3260-00	1083	442,5	396,5	680	58	90,5
FI-3260-20	1082	442,5	396,5	1000	60	93
FI-3260-40	1202	452,5	400,5	1200	65	105
FI-3260-60	1199	452,5	400,5	1200	70	111
FI-3260-80	1428	476,5	396,5	1400	80	135,2
FI-3260-90	1418	472,5	396,5	1400	95	145,2

CODE	MODEL	CONNECTION	DISCHARGE CONNECTION (F)	DRAINING CONNECTIONS	EXTRA FLOW DURING WASHING (m³/h)	POWER SUPPLY (W)
FI-3260-00	HW-FMAV50	DN50	3/4"	1" 1/2 BSP F	4,50	120
FI-3260-20	HW-FMAV80	DN80"	13/4"	1" 1/2 BSP F	4,50	120
FI-3260-40	HW-FMAV100	DN100	3/4"	1" 1/2 BSP F	8,50	120
FI-3260-60	HW-FMAV125	DN125	3/4"	1" 1/2 BSP F	8,50	120
FI-3260-80	HW-FMAV150	DN150	3/4"	1" 1/2 BSP F	11,50	120
FI-3260-90	HW-FMAV200	DN200	3/4"	1" 1/2 BSP F	11,50	120

F SERIES MESH FILTER

SELF-CLEANING BY SUCTION

APPLICATIONS

- Prefiltration in UF systems.
- Evaporation towers.
- Protection of spray nozzles.
- Heat exchangers.
- Irrigation
- Drinking water

FEATURES AND TECHNICAL SPECIFICATIONS

- Continuous flow, even during the washing phase.
- Filtration grade from 50 to 800 um
- Maximum flow rate of 198 m3/h with a single filter.
- Minimum amount of water at discharge
- With control panel for washing phases.
- Washing duration: 10 seconds
- Maximum particle size at inlet: 3 mm
- Maximum suspended solids at inlet
- 50 mg/L (50-80um) - 100 mg/L (125-200-300-500um)
- Pressure: 0.5 - 6 Bar
- Maximum temperature: 50°C
- Power supply: 12 Volt DC 10A / 120 Watt
- Pneumatic supply: 2-8 Bar



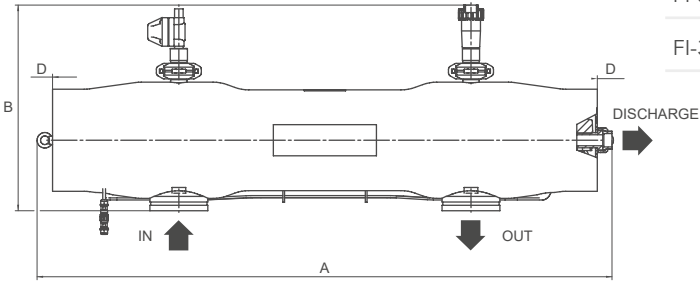
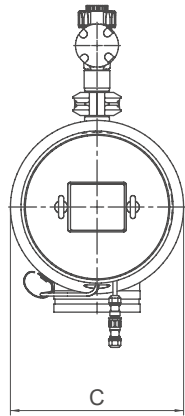
OPERATION

Water enters the filter through the inlet (IN), passes through the filter cylinder from the inside out, and this retains suspended particles; it retains all suspended solids larger than or equal to the installed filtration grade. The filtered water exits through the outlet pipe (OUT).

REGENERATION

The continuous settling of suspended solids obstructs the passage of water, resulting in a pressure difference (ΔP). At a preset value of ΔP (range 0.3 ÷ 1 Bar) an automatic cycle will start to clean the filter cylinder. This operation begins with a signal that closes the outlet valve, and opens the discharge valve. At the same time the electric motor rotates the brushes in the filter cylinder to remove the remains of suspended solids that are expelled through the discharge valve.

The cleaning cycle lasts approximately 10 seconds.



CODE	DIMENSIONS (mm)				WEIGHT when empty (Kg)	WEIGHT in operation (Kg)
	A	B	C	D		
FI-3280-00	1457	534	Ø 254	1100	55	78,2
FI-3280-20	1457	535	Ø 254	1100	60	83,6
FI-3280-40	1677	593	Ø 338	1400	80	138
FI-3280-60	1677	598	Ø 344	1400	86	144,6
FI-3280-80	1677	598	Ø 338	1400	90	149,6

Mesh filter flow rate table (m³/h)

MODEL	800 µm PL AISI316	500 µm PL AISI316	300 µm PL AISI316	200 µm PL AISI316	125 µm PL AISI316	80 µm PL AISI316	50 µm PL AISI316
HW-FMAH50	27	27	27	27	27	27	27
HW-FMAH80	54	54	54	54	54	54	54
HW-FMAH100	108	108	108	108	108	108	108
HW-FMAH125	144	144	144	144	144	144	144
HW-FMAH150	198	198	198	198	198	198	198

CODE	MODEL	CONNECTION	DISCHARGE CONNECTION (F)	DRAINING CONNECTIONS	EXTRA FLOW DURING WASHING (m³/h)	POWER SUPPLY (W)
FI-3280-00	HW-FMAH50	2"	-	1" 1/4 BSP F	9	120
FI-3280-20	HW-FMAH80	3"	-	1" 1/4 BSP F	9	120
FI-3280-40	HW-FMAH100	4"	-	1" 1/4 BSP F	12	120
FI-3280-60	HW-FMAH125	5"	-	1" 1/4 BSP F	12	120
FI-3280-80	HW-FMAH150	6"	-	1" 1/4 BSP F	12	120

BOBBIN WOUND POLYESTER FILTERS WITH ARM COLLECTORS

FOR 1,20m BED DEPTH

Its manufacturing method is based on a combination of techniques (lamination, strapping and winding) and materials (fibreglass fabrics and resins). The end result is a tank whose elastic body allows a high resistance to pressure with a minimum wall thickness. This significantly reduces the weight of the filter and makes it possible to work with considerable diameters and heights.

FEATURES AND TECHNICAL SPECIFICATIONS

- High pressure resistant elastic body
- Lower weight
- Special measures
- High chemical resistance
- Ozone-resistant coating (optional)
- Side entry mounting (optional)
- Other pressures available: 2.5, 6 and 9 Bar
- Other filter bed heights available: 1 and 1.5 m.

MAIN CHARACTERISTICS	
MODEL	02
Max. service pressure	3,2 BAR
Max. pressure	4 BAR
Test pressure	6 BAR
Max. working temperature	40°C
	1050 - 1200 -1400
Diameter (mm)	1600 - 1800 2000 - 2350 2500 - 3000

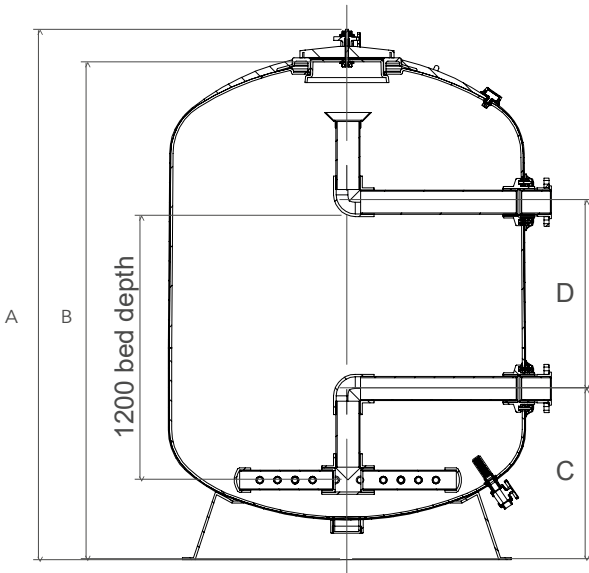
MATERIALS	MODEL
Deposit barrier	Polyester + fiberglass bobbin wound filter
Winding	Filament winding process with fiberglass and pigmented DCPD ortortalic resin
Connections	Laminated flange. Standart DIN 2501
Top access	Polyester reinforced with fiberglass oval manhole. 400x300mm
Diffuser	PVC PN10 / FRP (PPRFV)
Arm collector	PVC PN 10 / ABS
Water and sand outlets	PVC PN10/ ABS / FRP
Witness gauge pressure / DIN 580 lifting eyebolts	



Structure arm collector Ø63 up to Ø90mm



Structure arm collector : connections Ø110 up to Ø250mm



CODE	DIAMETER (mm)	FLANGE	DIMENSIONS (mm)				FILTER AREA (m²)	WEIGHT (Kg)	SILEX 0,4-0,8 (Kg)	SILEX 1-2 (Kg)
			A	B	C	D				
BT-0231-01	1050	63	2259	2132	675	820	0,86	215	1425	150
BT-0231-02		75	2259	2132	675	820	0,86	215	1425	150
BT-0231-03		90	2259	2132	675	820	0,86	215	1425	150
BT-0232-01	1200	63	2330	2190	725	810	1,13	245	1875	200
BT-0232-02		75	2330	2190	725	810	1,13	245	1875	200
BT-0232-03		90	2330	2190	725	810	1,13	245	1875	200
BT-0233-01	1400	63	2304	2177	735	815	1,54	310	2525	325
BT-0233-02		75	2304	2177	735	815	1,54	310	2525	325
BT-0233-03		90	2304	2177	735	815	1,54	310	2525	325
BT-0233-04		110	2304	2177	735	815	1,54	310	2525	325
BT-0234-02	1600	75	2399	2272	780	850	2,01	370	3300	450
BT-0234-03		90	2399	2272	780	850	2,01	370	3300	450
BT-0234-04		110	2399	2272	780	850	2,01	370	3300	450
BT-0235-02	1800	75	2430	2290	750	880	2,54	425	4200	575
BT-0235-03		90	2430	2290	750	880	2,54	425	4200	575
BT-0235-04		110	2430	2290	750	880	2,54	425	4200	575
BT-0235-06	2000	140	2430	2290	750	880	2,54	425	4200	575
BT-0236-03		90	2476	2350	775	800	3,14	495	5175	1000
BT-0236-04		110	2476	2350	775	800	3,14	495	5175	1000
BT-0236-06		140	2476	2350	775	800	3,14	495	5175	1000
BT-0236-07		160	2476	2350	775	800	3,14	495	5175	1000
BT-0237-04	2350	110	2800	2665	980	820	4,33	670	7150	1600
BT-0237-06		140	2800	2665	980	820	4,33	670	7150	1600
BT-0237-07		160	2800	2665	980	820	4,33	670	7150	1600
BT-0238-06	2500	140	2700	2560	1080	550	4,90	875	8100	1700
BT-0238-07		160	2700	2560	1080	550	4,90	875	8100	1700
BT-0238-09		225	2700	2560	1080	550	4,90	875	8100	1700
BT-0239-06	3000	140	2870	2470	1175	550	7,07	-	11625	2800
BT-0239-07		160	2870	2470	1175	550	7,07	-	11625	2800
BT-0239-09		225	2870	2470	1175	550	7,07	-	11625	2800

BOBBIN WOUND POLYESTER FILTER WITH NOZZLE PLATTE

FOR 1,20m BED DEPTH

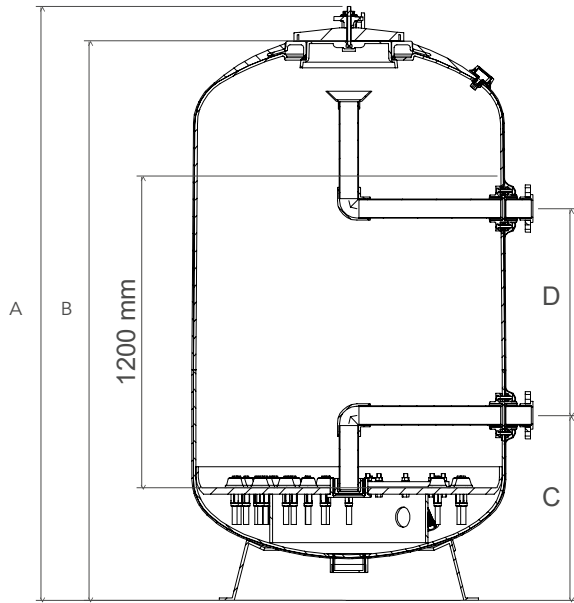
The production method consists of a combination of different processes (lamination, glue and filament winding) and materials (fiberglass mesh and resins), and the final result is a tank with a flexible body that achieves the best resistance against high pressure with less wall thickness. This production process will ultimately result in the significant reduction of the weight of the filters and allows the production of larger size filters.

FEATURES AND TECHNICAL SPECIFICATIONS

- High pressure resistance
- Flexible body
- Less weight
- Special sizes
- High chemical resistance
- Internal pvc liner to work with ozone (optional)
- 5 years of guarantee
- Oval side man hole (optional)
- Availables other pressures: 2.5, 6 and 9 Bar
- Other bed depth availables: 1 and 1,5 m.

MAIN CHARACTERISTICS	
MODEL	02
Max. service pressure	3,2 BAR
Max. pressure	4 BAR
Test pressure	6 BAR
Max. working temperature	40°C
Diameter (mm)	1050 - 1200 -1400
	-1600 - 1800
	-2000 - 2350
	-2500 - 3000

MATERIALS	MODEL
Deposit barrier	Polyester + fiberglass bobbin wound filter
Winding	Filament winding process with fiberglass and pigmented DCPD ortortalic resin
Connections	Laminated flange. Standart DIN 2501
Top man hole	Polyester reinforced with fiberglass oval manhole. 400x300mm
Diffusor	PVC PN 10 / FRP
Arm collector	PVC PN 10 / ABS
Water and sand outlets	PVC PN10/ ABS / FRP
Witness gauge pressure / DIN 580 lifting eyebolts	



CODE	DIAMETER (mm)	FLANGE	DIMENSIONS (mm)				FILTER AREA (m²)	WEIGHT (Kg)	SILEX 0,4-0,8 (Kg)	SILEX 1-2 (Kg)
			A	B	C	D				
BT-1231-01	1050	63	2259	2132	675	820	0,86	215	1425	150
BT-1231-02		75	2259	2132	675	820	0,86	215	1425	150
BT-1231-03		90	2259	2132	675	820	0,86	215	1425	150
BT-1232-01	1200	63	2330	2190	725	810	1,13	245	1875	175
BT-1232-02		75	2330	2190	725	810	1,13	245	1875	175
BT-1232-03		90	2330	2190	725	810	1,13	245	1875	175
BT-1233-01	1400	63	2304	2177	735	815	1,54	310	2550	250
BT-1233-02		75	2304	2177	735	815	1,54	310	2550	250
BT-1233-03		90	2304	2177	735	815	1,54	310	2550	250
BT-1233-04		110	2304	2177	735	815	1,54	310	2550	250
BT-1234-02	1600	75	2399	2272	780	850	2,01	370	3325	325
BT-1234-03		90	2399	2272	780	850	2,01	370	3325	325
BT-1234-04		110	2399	2272	780	850	2,01	370	3325	325
BT-1235-02	1800	75	2430	2290	810	820	2,54	425	4200	375
BT-1235-03		90	2430	2290	810	820	2,54	425	4200	375
BT-1235-04		110	2430	2290	810	820	2,54	425	4200	375
BT-1235-06	2000	140	2430	2290	810	820	2,54	425	4200	375
BT-1236-03		90	2476	2350	810	800	3,14	495	5175	475
BT-1236-04		110	2476	2350	810	800	3,14	495	5175	475
BT-1236-06		140	2476	2350	810	800	3,14	495	5175	475
BT-1236-07		160	2476	2350	810	800	3,14	495	5175	475
BT-1237-04	2350	110	2800	2665	980	820	4,33	670	7150	650
BT-1237-06		140	2800	2665	980	820	4,33	670	7150	650
BT-1237-07		160	2800	2665	980	820	4,33	670	7150	650
BT-1238-05	2500	125	2700	2560	1080	550	4,90	875	8100	750
BT-1238-06		140	2700	2560	1080	550	4,90	875	8100	750
BT-1238-07		160	2700	2560	1080	550	4,90	875	8100	750
BT-1238-09		225	2700	2560	1080	550	4,90	875	8100	750
BT-1239-06	3000	140	2870	2740	1175	550	7,07	-	11675	1050
BT-1239-07		160	2870	2740	1175	550	7,07	-	11675	1050
BT-1239-09		225	2870	2740	1175	550	7,07	-	11675	1050

FILTRATION MEDIA
VERTICAL FILTERS

ARM COLLECTOR - 1.2m BED DEPTH

DIAMETER (mm)	FLINT - ANTHRACITE			QUIMHIDRO CRYSTAL (Kg)	TURBIDEX	
	S. 1.5 mm (Kg)	S. 0.5 - 1 mm (Kg)	Anthracite (Kg)		S. 1.5 mm (Kg)	Turbidex (L)
Ø 1050	150	650	375	1425	150	812
Ø 1200	200	850	500	1875	200	1064
Ø 1400	325	1150	650	2575	325	1456
Ø 1600	450	1500	850	3400	450	1904
Ø 1800	575	1900	1075	4300	575	2408
Ø 2000	1000	2350	1325	5550	1000	2996
Ø 2350	1600	3250	1825	7875	1600	4116
Ø 2500	1700	3675	2075	8825	1700	4648
Ø 3000	2800	5275	2975	12975	2800	6720

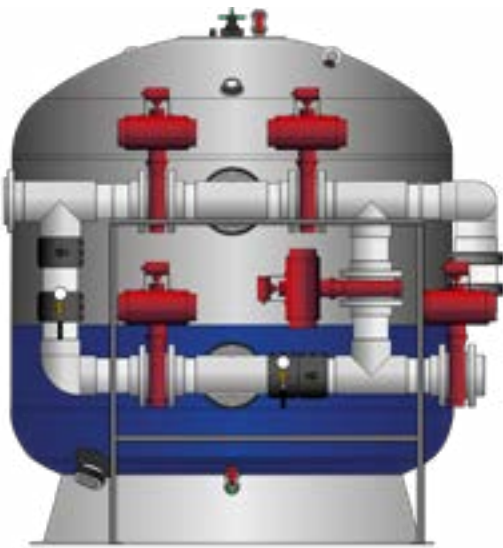
NOZZLE PLATE - 1.2M BED DEPTH

DIAMETER (mm)	FLINT - ANTHRACITE			QUIMHIDRO CRYSTAL (Kg)	TURBIDEX	
	S. 1.5 mm (Kg)	S. 0.5 - 1 mm (Kg)	Anthracite (Kg)		S. 1.5 mm (Kg)	Turbidex (L)
Ø 1050	150	650	375	1425	150	812
Ø 1200	175	850	500	1850	175	1064
Ø 1400	250	1150	650	2525	250	1456
Ø 1600	325	1500	850	3300	325	1904
Ø 1800	375	1900	1075	4125	375	2408
Ø 2000	475	2350	1325	5100	475	2996
Ø 2350	650	3250	1825	7025	650	4116
Ø 2500	750	3675	2075	7975	750	4648
Ø 3000	1050	5275	2975	11425	1050	6720

FLOW GUIDE

MAXIM FLOW AT 2,5 m/s										
Ø Connection mm	63	75	90	110	125	140	160	200	225	250
m³/h	22	32	46	68	88	111	145	226	286	353

FLOW m³/h DEPENDS ON THE FILTRATION RATE							
Ø FILTER (mm)	FILTRATION RATE (m³/m²/h)						
	10	15	20	25	30	40	50
Ø 1050	8,60	12,90	17,20	21,50	25,80	34,40	43,00
Ø 1200	11,30	16,95	22,60	28,25	33,90	45,20	56,50
Ø 1400	15,40	23,10	30,80	38,50	46,20	61,60	77,00
Ø 1600	20,10	30,15	40,20	50,25	60,30	80,40	100,50
Ø 1800	25,40	38,10	50,80	63,50	76,20	101,60	127,00
Ø 2000	31,40	47,10	62,80	78,50	94,20	125,60	157,00
Ø 2350	38,00	57,00	76,00	95,00	114,00	152,00	190,00
Ø 2500	43,40	65,10	86,80	108,50	130,20	173,60	217,00
Ø 3000	49,00	73,50	98,00	122,50	147,00	196,00	245,00
Ø 3000	70,70	106,05	141,40	176,75	212,10	282,80	353,50



VALVE BATTERIES

Single valve battery with butterfly valves for backwashing and settlement flushing.

Including stainless steel support structure, pressure gauge, inlet/outlet, air suction cup and sight glass.

The automatic ones (pneumatic or electric), include pressure transmitters, electrical panel with PLC and alarm elements.



5 manual butterfly valve battery set, completely assembled

SIMPLE 5 VALVES BATTERIES

MANUAL IRON VALVES

CODE	Ø (mm)
AF-5002-00	63
AF-5002-01	75
AF-5002-02	90
AF-5002-03	110
AF-5002-05	140
AF-5002-06	160
AF-5002-08	225

INCLUDED:

- PVC Battery
- Iron valves
- Stainless steel structure
- Pressure gauge
- Suction cup
- Samplig

PNEUMATIC VALVES
DOUBLE EFFECT

CODE	Ø (mm)
AF-5004-00	63
AF-5004-01	75
AF-5004-02	90
AF-5004-03	110
AF-5004-05	140
AF-5004-06	160
AF-5004-08	225

INCLUDED:

- PVC battery
- Pneumatic Iron valves
- Stainless steel structure
- Pressure gauge
- Suction cup
- Samplig
- Electric wiring
- Pneumatic wiring
- Pressure transmitters
- Solenoid valves 5/2v
- Air regulators
- Electric distribution panel
- PLC Unitronics
- Air Regulator/Filter
- Pressure Switch
- Connections box

MOTORIZED VALVES

CODE	Ø (mm)
AF-5006-00	63
AF-5006-01	75
AF-5006-02	90
AF-5006-03	110
AF-5006-05	140
AF-5006-06	160
AF-5006-08	225

INCLUDED:

- PVC Battery
- Iron valves
- Stainless steel structure
- Pressure gauge
- Suction cup
- Sampling
- Electrical wiring
- Pressure transmitters
- Electric distribution panel
- PLC Unitronics
- Connections box



COMPACT WATER SOFTENERS

	KOBE	66
	EVER	68
	AITANA	70
	CURVE S10	72
	SEDA	74



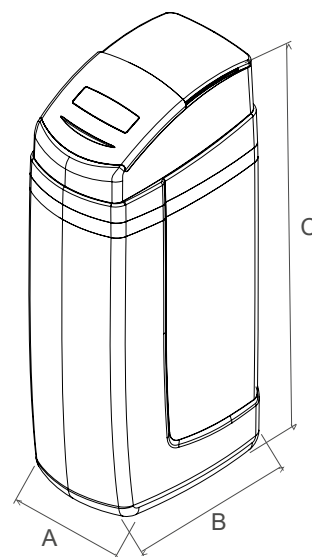
Kobe



COMPACT SOFTENER FOR WATER OF DOMESTIC USE

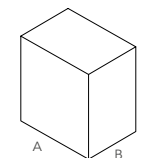
Lime is an invisible enemy that hardens water and makes it harmful to your household appliances and unpleasant for personal consumption and cleaning.

Kobe is the compact water softener of low salt consumption that eliminates that problem in your home, obtaining a pure and light water perfect for all uses.



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
UF-3004-02	351	523	705
UF-3004-04	351	523	1134
UF-3004-05	351	523	1134
UF-3004-07	351	523	705
UF-3004-08	351	523	1134
UF-3004-09	351	523	1134



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (unit)		
	A	B	C	Pallet	Conten. 20"	Conten. 40"
UF-3004-02	540	370	760	5	90	220
UF-3004-04	540	370	1160	5	45	110
UF-3004-05	540	370	1160	5	45	110
UF-3004-07	540	370	760	5	90	220
UF-3004-08	540	370	1160	5	45	110
UF-3004-09	540	370	1160	5	45	110

KOBE CLACK SOFTENER

Compact automatic softener for water hardness removal by ion exchange resins.

WS1Ci UF meter valve, digital programmer and delayed or immediate upflow regeneration

FEATURES AND TECHNICAL SPECIFICATIONS

- Cabinet made of blown polyethylene
- GRP vessel reinforced in polyester
- Regeneration by average consumption
- Programmable frequency regeneration
- Hardness mixer included
- Turbine for the volume control of the treated water
- 1" Connection
- Optional bypass and adapter 1" elbow 90°
- Safety salt buoy included
- Loaded with food grade resin of high capacity with high performance.
- Working pressure: 2,5 to 6 Bar
- Max. temperature: 40 ° C
- Power supply: 200~240V 50/60Hz 15Vcc



Kobe Bypass



90° Elbows Kobe

CODE	MODEL	WORK FLOW (m³/h)	SALT INTAKE (Kg)	BY- PASS
UF-3004-02	CRV 14L	0,5	1,4	NO
UF-3004-04	CRV 22L	0,7	2,2	NO
UF-3004-05	CRV 35L	1,2	3,5	NO
UF-3004-07	CRV 14L+Bypass	0,5	1,4	SI
UF-3004-08	CRV 22L+Bypass	0,7	2,2	SI
UF-3004-09	CRV 35L+Bypass	1,2	3,5	SI
AV-3002-03	Option kit 2 elbows 90° bent adapter			



Technology and innovation

Innovative design with the latest Clack technology.



Total control

Digital programmer with multiple programming options which perfectly adapt to the water consumption of your home.



Efficiency and saving

Upflow compact softener of advance technology and low salt consumption



Easy installation and maintenance



European Certificate of Conformity

Ever



RAPID FIT BY-PASS



Technology and innovation

Express partial regeneration - reduces washing time.



Easy to use

"Easy push button" set up, only takes a few seconds.



Efficiency and saving

High Efficiency Standard on all equipment in the range.



Easy installation and maintenance:

Rapid Fit By-pass system, which allows the equipment to be isolated from the installation in a few seconds by releasing just a few clips.



European Certificate of Conformity

COMPACT SOFTENER FOR WATER OF DOMESTIC USE

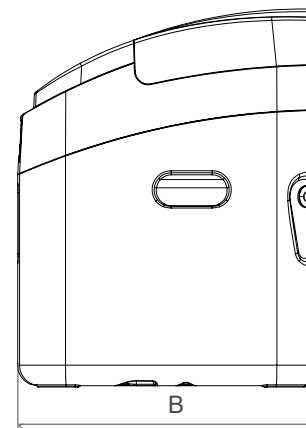
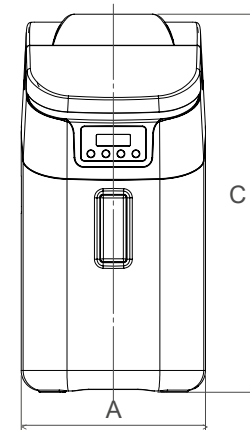
The definitive solution for the sustainable use of water.

Higher capacity, lower water consumption and salt savings.

Great adaptability to different spaces and positions.

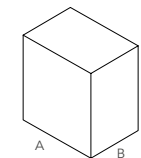
Smart Regeneration, with High Performance Resin it offers a winning combination in capacity, lower water consumption and greater salt saving.

Ultra-fast installation with the **Rapid-Fit Bypass**.



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
UF-2011-02	270	450	479
UF-2011-04	270	450	554
UF-2011-06	270	450	707
UF-2011-08	270	450	1038



PACKAGING AND TRANSPORTATION

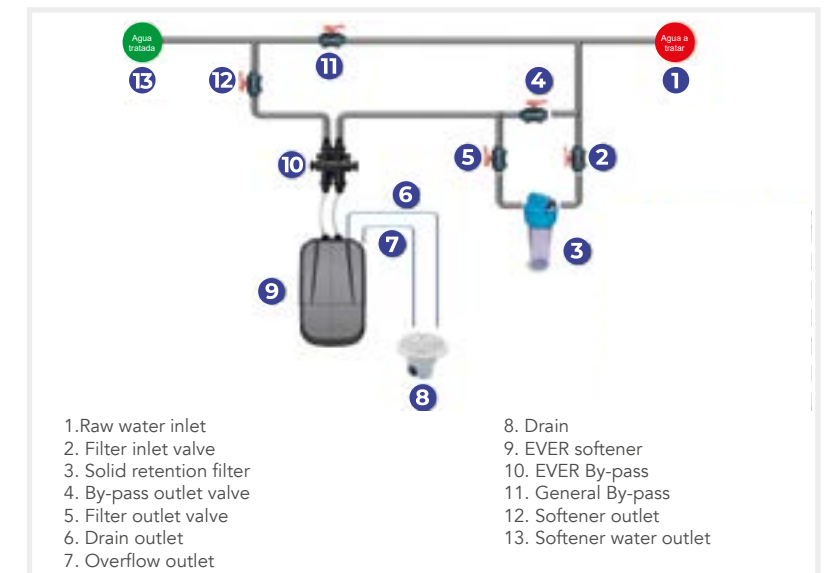
CODE	DIMENSIONS (mm)			WEIGHT (Kg)	LOGISTICS (unit)		
	A	B	C		Pallet	Conten. 20'	Conten. 40'
UF-2011-02	545	335	585	18	10	100	200
UF-2011-04	545	335	660	21	10	100	200
UF-2011-06	515	303	780	28,5	10	100	200
UF-2011-08	515	305	1110	43	5	100	200

EVER WATER SOFTENER

Compact automatic softeners for hardness removal using ion exchange resins. **Low salt consumption.**

With metered valve, digital programmer and upflow delayed regeneration.

- Cabinet made of blown polyethylene.
- GRP vessel reinforced in polyester (PRFV).
- Smart regenerations: partial and complete.
- Integrated hardness mixer.
- Supersense Turbine for the volume control of the treated water.
- 3/4" Connection.
- Rapid-Fit By-pass.
- Safety salt buoy included.
- Loaded with food grade resin of high capacity with high performance.
- Working pressure: 2,5 a 6 Bar
- Max. temperature: 43°C
- Power supply: 220 ~ 240V / 12V ~ 50Hz



CODE	MODEL	WORK FLOW (m³/h)	SALT INTAKE (Kg)
UF-2011-02	Ever 9L	0,31	0,9
UF-2011-04	Ever 12L	0,41	1,2
UF-2011-06	Ever 18L	0,62	1,8
UF-2011-08	Ever 30L	1,02	3



Aitana



Technology and innovation
The best AUTOTROL technology with a 255-760 LOGIX valve



Total control
Digital programmer with multiple programming options which perfectly adapt to the water consumption of your home.



Efficiency and saving
Upflow compact softener of advance technology and low salt consumption



Easy installation and maintenance



European Certificate of Conformity

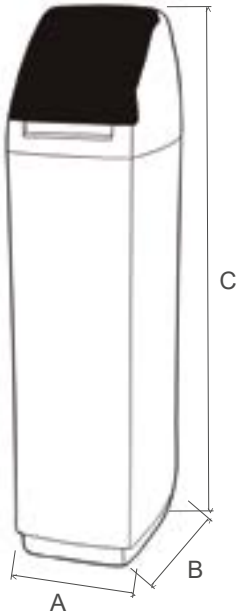
COMPACT SOFTENER FOR WATER OF DOMESTIC USE

Aitana is the best softener that transforms hard water from the network into soft water, avoiding lime deposits in pipes and faults in your appliances.

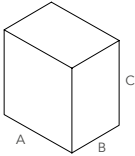
A soft water will improve your home cleaning.

- **Saving up to 50%** in cleaning products
- The faucets and bathrooms will **look like new**.

You will also notice its benefits on your skin and on your clothes, leaving everything much softer.



SYSTEM MEASURES			
CODE	DIMENSIONS (mm)		
	A	B	C
ED-0205-05	310	425	1115



PACKAGING AND TRANSPORTATION							
CODE	DIMENSIONS (mm)			WEIGHT (Kg)	LOGISTICS (unit)		
	A	B	C		Pallet	Conten. 20"	Conten. 40"
ED-0205-05	460	330	1170	38,25	5	100	200

AITANA AUTOTROL SOFTENER

Compact automatic softener for water hardness removal by ion exchange resins.

255-760 Logix meter valve, digital programmer and delayed downflow regeneration.

FEATURES AND TECHNICAL SPECIFICATIONS

- High efficiency in regeneration: consumption of salt 150 grams of salt per resin litre.
- Cabinet made of blown polyethylene
- GRP vessel reinforced in polyester
- Regeneration by average consumption
- Programmable frequency regeneration
- Hardness mixer included
- Turbine for the volume control of the treated water
- 1" Connection
- Bypass included
- Loaded with food grade resin of high capacity with high performance.
- Working pressure: 2,5 to 6 Bar
- Max. ambience temperature: 48°C
- Max. water temperature: 38°C
- Power supply: 230V-50Hz 12V
- Low consumption: 5W

CODE	MODEL	WORK FLOW (m³/h)	SALT INTAKE (Kg)
ED-0205-05	Aitana 30L	1,2	4,5

Curve



Innovative design

Its compact size allows you to install it in a variety of spaces, even under the kitchen worktop



Total control

Digital programmer with multiple programming options which perfectly adapt to the water consumption of your home.



Efficiency and saving

Upflow compact softener of advance technology and low salt consumption



Easy installation and maintenance



European Certificate of Conformity

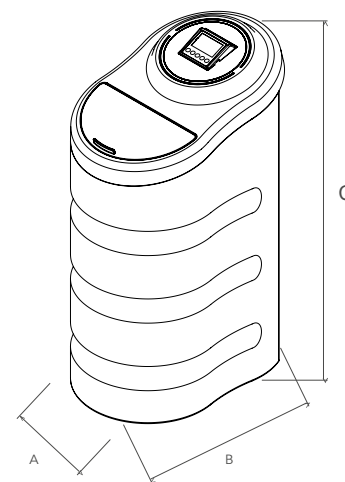
COMPACT SOFTENER FOR WATER OF DOMESTIC USE

Soft water prevents lime deposits, extending the life of pipes and appliances and avoiding costly and troublesome breakdowns.

Curve compact softener provides water that gives softness to clothes and personal hygiene. Used for cleaning, the water without lime makes sanitary ware, faucets, showers and dishes are always shiny and new.

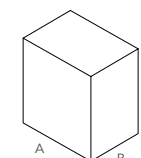
Curve has been designed to occupy as little space as possible in the home, allowing it to be placed in any available space.

The bottle and valve remain separated from the salt storage tank, allowing an easy assembly and disassembly for a straightforward installation and quick maintenance.



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
UF-8008-17	350	540	843
UF-8008-18	350	540	1180



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	LOGISTICS (unit)		
	A	B	C		Pallet	Conten. 20'	Conten. 40'
UF-8008-17	615	400	895	33,5	10	100	200
UF-8008-18	615	400	1260	52,5	5	100	200

CURVE S10 SOFTENER

Compact automatic softener for water hardness removal by ion exchange resins.

S10 meter valve, digital programmer and delayed or immediate upflow regeneration..

LOW SALT CONSUMPTION

Cabinet separated from the bottle for easier maintenance.

- Cabinet made of blown polyethylene
- GRP vessel reinforced in polyester
- Regeneration by average consumption
- Programmable frequency regeneration
- Hardness mixer included
- Turbine for the volume control of the treated water
- 3/4" Connection
- Bypass included
- Safety salt buoy included
- Loaded with food grade resin of high capacity with high performance.
- Working pressure: 2,5 to 6 Bar
- Max. temperature: 39°C
- Power supply: 230V-12V 50Hz



CÓDIGO	MODEL	RESINA (L)	WORK FLOW (m³/h)	SALT INTAKE (Kg)
UF-8008-17	Curve S10 24L	24	0,8	2,4
UF-8008-18	Curve S10 35L	35	1,2	3,5

Seda

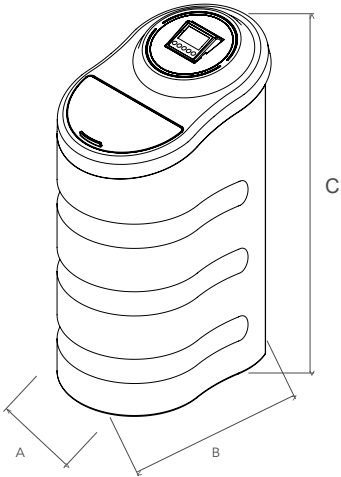


SEDA SOFTENER

Compact automatic softener for water hardness removal by ion exchange resins.

UF Upflow regeneration TO SAVE SALT AND WATER.

- Closed cabinet unit in polyethylene.
- Bottle in polyester reinforced with fibreglass (PRFV).
- PRX volumetric valve.
- Digital programmer with multiple operating parameters.
- 5 operating cycles (service, backwash, suction, salt tank filling and final resin washing).
- Water supply during regeneration.
- Keypad with safety locking system.
- Valve configuration stored in permanent memory.
- Programming in minutes.
- Time of day and regeneration time programming (deferred mode).
- BY-PASS included. Male 3/4" BSP inlet and outlet.
- Hydraulic locking system with reinforced ceramic discs.
- Option for forced regeneration.
- Brine valve with safety float.
- Residual hardness mixer.
- Loaded with food grade resin of high capacity with high performance.
- Working pressure: 2 to 6 Bar
- Maximum temperature: 5 to 45 °C
- Power supply: 110-230V/50-60Hz.
- Power: 12W.



Innovative design

Its compact size allows you to install it in a variety of spaces, even under the kitchen worktop.



Total control

Digital programmer with multiple programming options which perfectly adapt to the water consumption of your home.



Efficiency and saving

Upflow compact softener of advance technology and low salt consumption



Easy installation and maintenance



European Certificate of Conformity

COMPACT SOFTENER FOR WATER OF DOMESTIC USE

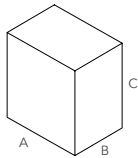
Soft water prevents lime deposits, extending the life of pipes and appliances and avoiding costly and troublesome breakdowns.

Seda compact softener provides water that gives softness to clothes and personal hygiene. Used for cleaning, the water without lime makes sanitary ware, faucets, showers and dishes shiny and new.

Seda has been designed to occupy as little space as possible at home, allowing it to be placed in any available space.

SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	UD/ PALLET
	A	B	C		
UF-7002-04	350	540	843	30	10



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	LOGISTICS (unit)		
	A	B	C		Pallet	Conten. 20'	Conten. 40'
UF-7002-04	563	377	875	33,5	10	100	200

Digital programmer with multiple operating parameters

CODE	MODEL	RESIN (L)	WORK FLOW (m³/h)	SALT INTAKE (Kg)	VALVE MODEL
UF-7002-04	Seda PRX	24	0,8	2,4	PRX



INDUSTRIAL SOFTENERS

 CLACK	78
 AUTOTROL	110
 SPREADSHEET	114

WS1Ci DF

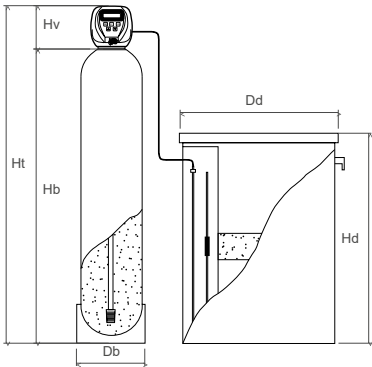
CLACK 1" SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1Ci DF volumetric valve, digital programmer and delayed, instantaneous or mixed downflow regeneration.

Its special design allows service flow rates of up to 6m³/h and optimal backwashing.

- Bottle made of fiberglass reinforced polyester (PRFV)
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



NWBP-1-1 shut-off valve ¼ "

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3202-01	207	898	183	1081	445	680
ED-3202-02	258	896	183	1080	445	680
ED-3202-03	258	1126	183	1309	500	750
ED-3202-04	258	1386	183	1569	500	750
ED-3202-05	310	1232	183	1415	500	750
ED-3202-06	336	1393	183	1581	530	1000
ED-3202-07	363	1674	183	1857	530	1000
ED-3202-08	413	1671	183	1854	530	1000
ED-3202-09	413	1671	183	1854	600	1140
ED-3202-10	491	1722	183	1905	600	1140
ED-3202-11	491	1722	183	1905	600	1140
ED-3202-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3202-01	20	0,8	4	100
ED-3202-02	30	1,2	6	100
ED-3202-03	40	1,6	8	150
ED-3202-04	50	2,0	10	150
ED-3202-05	60	2,4	12	150
ED-3202-06	80	3,2	16	200
ED-3202-07	100	4,0	20	200
ED-3202-08	125	5,0	25	200
ED-3202-09	140	5,6	28	300
ED-3202-10	170	6,0	34	300
ED-3202-11	200	6,0	40	300
ED-3202-12	225	6,0	45	500
CODE	MODEL			
VA-3002-12	NWBP-1-1 shut-off valve ¼ "			

Clack



Clack



WS1Ci UF

UPFLOW CLACK 1" SOFTENER

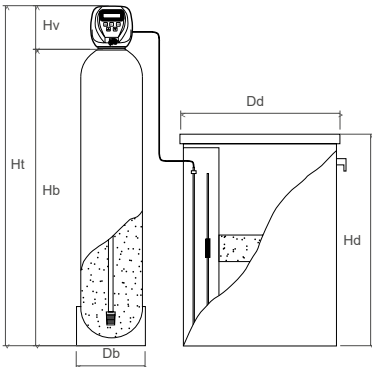
Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1Ci UF volumetric valve, digital programmer and delayed or instantaneous upflow regeneration.

LOW SALT CONSUMPTION.

Its special design allows for service flow rates (up to 6m³/h) and optimal backwashing.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



NWBP-1-1 shut-off valve ¼ "

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3202-01	207	898	183	1081	445	680
UF-3202-02	258	896	183	1080	445	680
UF-3202-03	258	1126	183	1309	500	750
UF-3202-04	258	1386	183	1569	500	750
UF-3202-05	310	1232	183	1415	500	750
UF-3202-06	336	1393	183	1581	530	1000
UF-3202-07	363	1674	183	1857	530	1000
UF-3202-08	413	1671	183	1854	530	1000
UF-3202-10	491	1722	183	1905	600	1140
UF-3202-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3202-01	22	0,7	2,2	100
UF-3202-02	35	1,2	3,5	100
UF-3202-03	48	1,6	4,8	150
UF-3202-04	61	2,0	6,1	150
UF-3202-05	73	2,4	7,3	150
UF-3202-06	100	3,4	10,0	200
UF-3202-07	136	4,6	13,6	200
UF-3202-08	166	5,6	16,6	200
UF-3202-10	240	6,0	24,0	300
UF-3202-12	300	6,0	30,0	500

CODE	MODEL
VA-3002-12	NWBP-1-1 shut-off valve ¼ "

WS1Ci DF DUPLEX

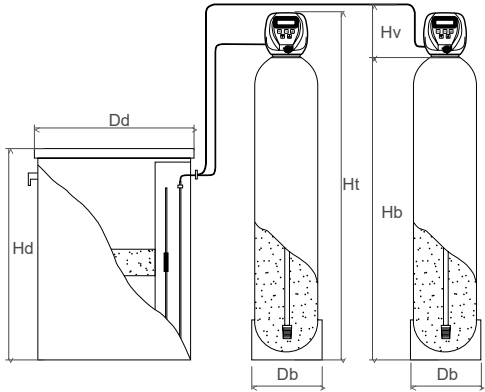
CLACK 1" SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

WS1Ci DF Clack meter valve mounted in each vessel with digital programmer and immediate downflow regeneration

Permanently softened water, only one vessel in service, the second in regeneration phase or on stand-by.

- Its special design allows service flows (up to 6 m³/h) and optimal backwashes
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- Includes collector between valves (except for 170 and 200L) and 3-way valve. By-pass not included.
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3600-03	207	898	183	1081	445	680
ED-3600-04	258	896	183	1080	445	680
ED-3600-05	258	1126	183	1309	500	750
ED-3600-06	258	1386	183	1569	500	750
ED-3600-07	310	1232	183	1415	500	750
ED-3600-08	336	1393	183	1581	530	1000
ED-3600-09	363	1674	183	1857	530	1000
ED-3600-11	413	1671	183	1854	530	1000
ED-3600-12	413	1671	183	1854	600	1140
ED-3600-13	491	1722	183	1905	600	1140
ED-3600-14	491	1722	183	1905	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/H)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3600-03	2 x 20	0,8	4	100
ED-3600-04	2 x 30	1,2	6	100
ED-3600-05	2 x 40	1,6	8	150
ED-3600-06	2 x 50	2,0	10	150
ED-3600-07	2 x 60	2,4	12	150
ED-3600-08	2 x 80	3,2	16	200
ED-3600-09	2 x 100	4,0	20	200
ED-3600-11	2 x 125	5,0	25	200
ED-3600-12	2 x 140	5,6	28	300
ED-3600-13	2 x 170	6,0	34	300
ED-3600-14	2 x 200	6,0	40	500

WS1Ci UF DUPLEX

UPFLOW CLACK 1" SOFTENER

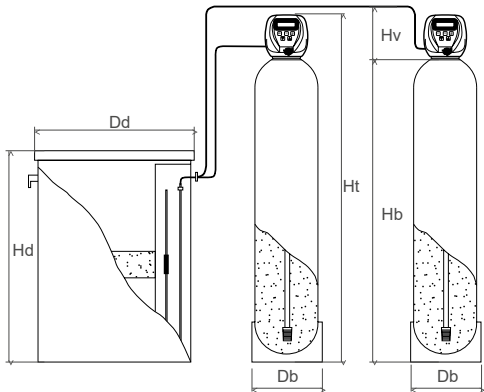
Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1Ci UF volumetric valve in each bottle, digital programmer and instant UPFLOW regeneration.

LOW SALT CONSUMPTION

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- Its special design allows for optimal service flow rates (up to 6m³/h) and backwashes.
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- 1" Connection
- Includes collector between valves (except for 240 and 300L) and 3-way valve. By-pass not included.
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3600-03	207	898	183	1081	445	680
UF-3600-04	258	896	183	1080	445	680
UF-3600-05	258	1126	183	1309	500	750
UF-3600-06	258	1386	183	1569	500	750
UF-3600-07	310	1232	183	1415	500	750
UF-3600-08	336	1393	183	1581	530	1000
UF-3600-09	363	1674	183	1857	530	1000
UF-3600-11	413	1671	183	1854	530	1000
UF-3600-13	491	1722	183	1905	600	1140
UF-3600-14	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3600-03	2 x 22	0,7	2,2	100
UF-3600-04	2 x 35	1,2	3,5	100
UF-3600-05	2 x 48	1,6	4,8	150
UF-3600-06	2 x 61	2,0	6,1	150
UF-3600-07	2 x 73	2,4	7,3	150
UF-3600-08	2 x 100	3,4	10	200
UF-3600-09	2 x 136	4,6	13,6	200
UF-3600-11	2 x 166	5,6	16,6	200
UF-3600-13	2 x 240	6,0	24	300
UF-3600-14	2 x 300	6,0	30	500

TWIN WS1TT DF

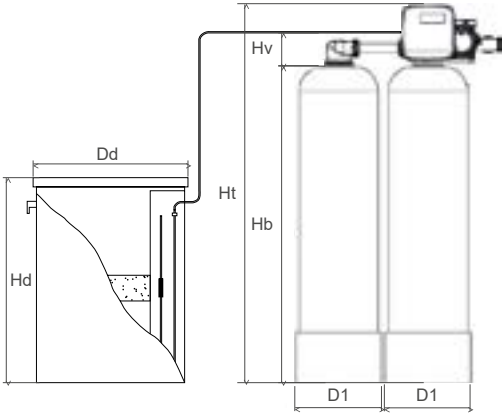
CLACK 1" SOFTENER

Twin alternating softener for removing hardness using ion exchange resins.

Clack WS1TT DF volumetric valve for control of the two bottles, digital programmer and delayed, instantaneous or mixed downflow regeneration.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- Its special design allows service flows (up to 6 m³/h) and optimal backwashes
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Turbine for controlling the volume of treated water
- Includes collector between bottles
- By-pass optional.
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



CODE	DIMENSIONS (mm)					
	D1	Hb	Hv	Ht	Hd	Dd
ED-3601-03	207	898	194	1092	680	445
ED-3601-04	258	897	194	1091	680	445
ED-3601-05	258	1126	194	1320	750	500
ED-3601-06	258	1386	194	1580	750	500
ED-3601-07	310	1232	194	1426	750	500
ED-3601-08	336	1398	194	1592	1000	530
ED-3601-09	363	1674	194	1868	1000	530
ED-3601-11	413	1671	194	1865	1000	530
ED-3601-12	413	1671	194	1865	1140	600
ED-3601-13	491	1722	194	1916	1140	600
ED-3601-14	491	1722	194	1916	1140	905

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m3/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3601-03	2 x 20	0,8	4	100
ED-3601-04	2 x 30	1,2	6	100
ED-3601-05	2 x 40	1,6	8	150
ED-3601-06	2 x 50	2,0	10	150
ED-3601-07	2 x 60	2,4	12	150
ED-3601-08	2 x 80	3,2	16	200
ED-3601-09	2 x 100	4,0	20	200
ED-3601-11	2 x 125	5,0	25	200
ED-3601-12	2 x 140	5,6	28	300
ED-3601-13	2 x 170	6,0	34	300
ED-3601-14	2 x 200	6,0	40	500

TWIN WS1TT UF

UPFLOW CLACK 1" SOFTENER

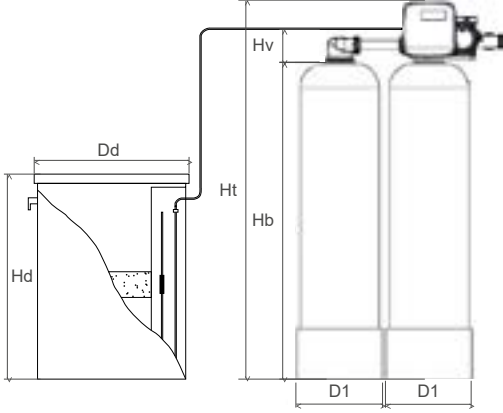
Twin alternating softener for removing hardness using ion exchange resins.

Clack WS1TT UF volumetric valve for control of the two bottles, digital programmer and instant upflow regeneration.

LOW SALT CONSUMPTION.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- Its special design allows for optimal service flow rates (up to 6m³/h) and backwashing.
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Turbine for controlling the volume of treated water
- Includes collector between bottles.
- By-pass is optional
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



CODE	DIMENSIONS (mm)					
	D1	Hb	Hv	Ht	Dd	Hd
UF-3601-03	207	898	194	1092	445	680
UF-3601-04	258	897	194	1091	445	680
UF-3601-05	258	1126	194	1320	500	750
UF-3601-06	258	1386	194	1580	500	750
UF-3601-07	310	1232	194	1426	500	750
UF-3601-08	336	1398	194	1592	530	1000
UF-3601-09	363	1674	194	1868	530	1000
UF-3601-11	413	1671	194	1865	530	1000
UF-3601-13	491	1722	194	1916	600	1140
UF-3601-14	555	1721	194	1915	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m3/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3601-03	2 x 22	0,7	2,2	100
UF-3601-04	2 x 35	1,2	3,5	100
UF-3601-05	2 x 48	1,6	4,8	150
UF-3601-06	2 x 61	2,0	6,1	150
UF-3601-07	2 x 73	2,4	7,3	150
UF-3601-08	2 x 100	3,4	10,0	200
UF-3601-09	2 x 136	4,6	13,6	200
UF-3601-11	2 x 166	5,6	16,6	200
UF-3601-13	2 x 240	6,0	24,0	300
UF-3601-14	2 x 300	6,0	30,0	500

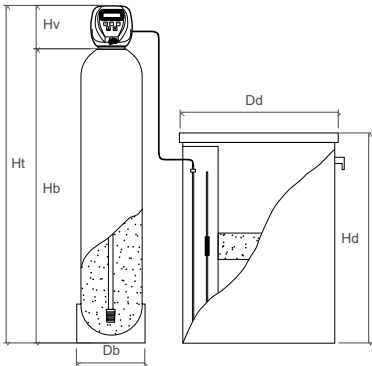
WS1.25Ci DF

CLACK 1" ¼ SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1.25Ci DF volumetric valve, digital programmer and delayed, instantaneous or mixed downflow regeneration.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- 1 ¼" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



NWBP-1-1 shut-off valve ¼ "

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3203-06	336	1398	183	1581	530	1000
ED-3203-07	363	1674	183	1857	530	1000
ED-3203-08	413	1671	183	1854	530	1000
ED-3203-09	413	1671	183	1854	600	1140
ED-3203-10	491	1722	183	1905	600	1140
ED-3203-11	491	1722	183	1905	600	1140
ED-3203-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3203-06	80	3,2	16	200
ED-3203-07	100	4,0	20	200
ED-3203-08	125	5,0	25	200
ED-3203-09	140	5,6	28	300
ED-3203-10	170	6,8	34	300
ED-3203-11	200	7,7	40	300
ED-3203-12	225	7,7	45	500

CODE	MODEL
VA-3002-12	NWBP-1-1 shut-off valve ¼ "

Clack



Clack



WS1.25Ci UF

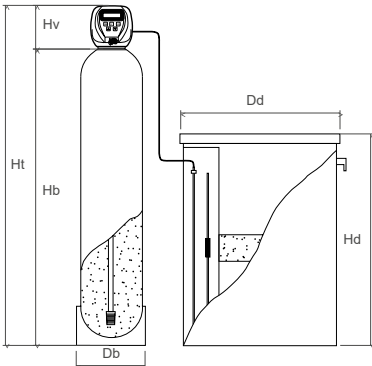
UPFLOW CLACK 1" ¼ SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

LOW SALT CONSUMPTION.

Clack WS1.25Ci UF volumetric valve, digital programmer and delayed or instantaneous upflow regeneration.

- GRP vessel reinforced in polyester
- Integrated hardness mixer
- Regeneration frequency from 1 to 28 days
- Turbine for controlling the volume of treated water
- 1 ¼" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



NWBP-1-1 shut-off valve ¼ "

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3203-06	336	1398	183	1581	530	1000
UF-3203-07	363	1674	183	1857	530	1000
UF-3203-08	413	1671	183	1854	530	1000
UF-3203-10	491	1722	183	1905	600	1140
UF-3203-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3203-06	100	3,4	10	200
UF-3203-07	136	4,6	13,6	200
UF-3203-08	166	5,6	16,6	200
UF-3203-10	240	7,7	24	300
UF-3203-12	300	7,7	30	500

CODE	MODEL
VA-3002-12	NWBP-1-1 shut-off valve ¼ "

WS1.25Ci DF DUPLEX

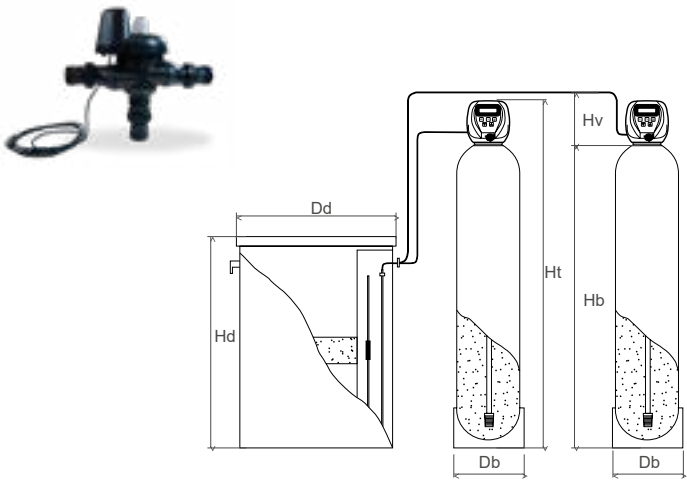
CLACK 1" ¼ SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1.25Ci DF volumetric valve, digital programmer and delayed, instantaneous or mixed downflow regeneration.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass.
- 1 ¼ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3602-06	336	1398	183	1581	530	1000
ED-3602-07	363	1674	183	1857	530	1000
ED-3602-08	413	1671	183	1854	530	1000
ED-3602-09	413	1671	183	1854	600	1140
ED-3602-10	491	1722	183	1905	600	1140
ED-3602-11	491	1722	183	1905	600	1140
ED-3602-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3602-06	2 x 80	3,2	16	200
ED-3602-07	2 x 100	4,0	20	200
ED-3602-08	2 x 125	5,0	25	200
ED-3602-09	2 x 140	5,6	28	300
ED-3602-10	2 x 170	6,8	34	300
ED-3602-11	2 x 200	7,7	40	300
ED-3602-12	2 x 225	7,7	45	500

WS1.25Ci UF DUPLEX

UPFLOW CLACK 1" ¼ SOFTENER

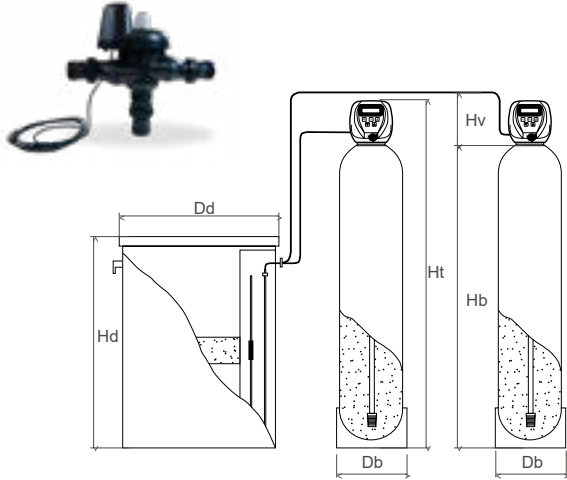
Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1.25Ci UF volumetric valve in each bottle, digital programmer and instant upflow regeneration.

LOW SALT CONSUMPTION.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass.
- 1 ¼ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3602-06	336	1398	183	1581	530	1000
UF-3602-07	363	1674	183	1857	530	1000
UF-3602-08	413	1671	183	1854	600	1140
UF-3602-10	491	1722	183	1905	600	1140
UF-3602-12	555	1721	183	1904	905	1140

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3602-06	2 x 100	3,4	10	200
UF-3602-07	2 x 136	4,6	13,6	200
UF-3602-08	2 x 166	5,6	16,6	300
UF-3602-10	2 x 240	7,7	24	300
UF-3602-12	2 x 300	7,7	30	500

WS1.5Ci DF NORYL

CLACK 1" ½ SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

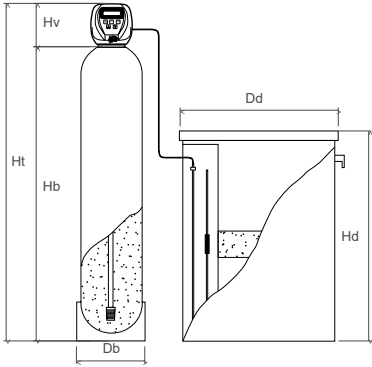
Clack WS1.5Ci DF Noryl volumetric valve, digital programmer and delayed or instantaneous downflow regeneration.

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. In addition, its lower weight simplifies handling.



The image can do not correspond to the model.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 1 ½ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



Shut-off valve - 1" ½

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3204-57	363	1674	272	1946	530	1000
ED-3204-58	413	1671	272	1943	600	1140
ED-3204-59	413	1671	272	1943	600	1140
ED-3204-60	491	1722	272	1994	600	1140
ED-3204-61	491	1722	272	1994	905	1140
ED-3204-62	555	1721	272	1993	905	1140
ED-3204-63	635	1918	272	2190	905	1140
ED-3204-64	635	1918	272	2190	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3204-57	100	4	20	200
ED-3204-58	125	5	25	300
ED-3204-59	140	5,6	28	300
ED-3204-60	170	6,8	34	300
ED-3204-61	200	8	40	500
ED-3204-62	225	9	45	500
ED-3204-63	300	12	60	500
ED-3204-64	350	13,6	70	1000

CODE	MODEL
VA-3004-22	Noryl 1 shut-off valve ½ "



The image can do not correspond to the model.



Shut-off valve - 1" ½

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3204-57	363	1674	272	1946	530	1000
UF-3204-58	413	1671	272	1943	600	1140
UF-3204-60	491	1722	272	1994	600	1140
UF-3204-62	555	1721	272	1993	905	1140
UF-3204-64	635	1918	272	2190	1200	1320

WS1.5Ci UF NORYL

UPFLOW CLACK 1" ½ SOFTENER

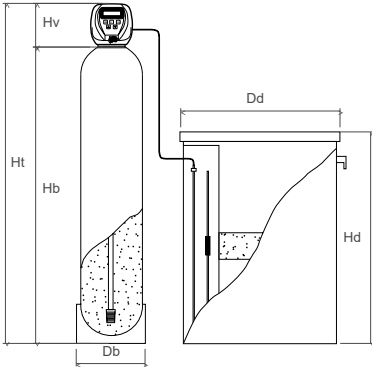
Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1.5Ci DF Noryl volumetric valve, digital programmer and delayed or instantaneous downflow regeneration.

LOW SALT CONSUMPTION

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. In addition, its lower weight simplifies handling.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 1 ½ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3204-57	136	4,6	13,6	200
UF-3204-58	166	5,6	16,6	300
UF-3204-60	240	8,1	24	300
UF-3204-62	300	10,2	30	500
UF-3204-64	430	13,6	43	1000

CODE	MODEL
VA-3004-22	Noryl 1 shut-off valve ½ "

WS1.5Ci DF NORYL DUPLIX CLACK 1" ½ SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1.5Ci DF Noryl volumetric valve in each bottle, digital programmer and instant, delayed or mixed downflow regeneration.

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. In addition, its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.



The image could do not correspond to the model.



The image could do not correspond to the model.

WS1.5Ci UF NORYL DUPLIX UPFLOW CLACK 1" ½ SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1.5Ci UF Noryl volumetric valve in each bottle, digital programmer and instant, delayed or mixed upflow regeneration.

LOW SALT CONSUMPTION

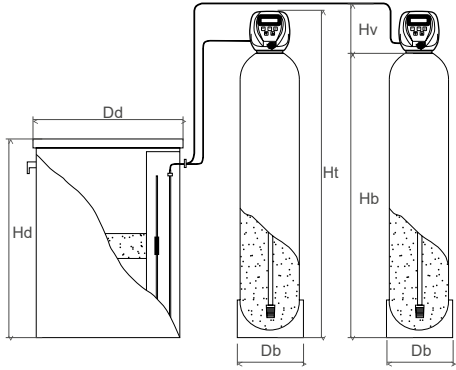
The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass
- 1 ½ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



Alternating valve 1 ½ " Noryl

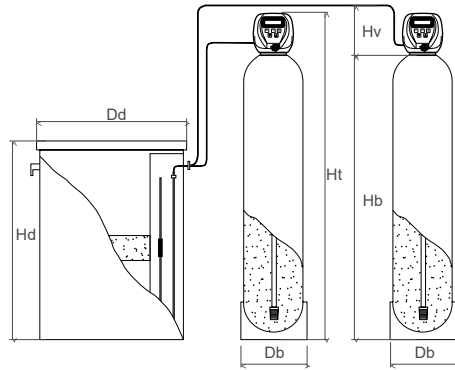


CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3604-57	363	1674	272	1946	530	1000
ED-3604-58	413	1671	272	1943	600	1140
ED-3604-59	413	1671	272	1943	600	1140
ED-3604-60	491	1722	272	1994	600	1140
ED-3604-61	491	1722	272	1994	905	1140
ED-3604-62	555	1721	272	1993	905	1140
ED-3604-63	635	1918	272	2190	905	1140
ED-3604-64	635	1918	272	2190	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3604-57	2 x 100	4	20	300
ED-3604-58	2 x 125	5	25	300
ED-3604-59	2 x 140	5,6	28	500
ED-3604-60	2 x 170	6,8	34	500
ED-3604-61	2 x 200	8	40	500
ED-3604-62	2 x 225	9	45	500
ED-3604-63	2 x 300	12	60	500
ED-3604-64	2 x 350	13,6	70	1000



Alternating valve 1 ½ " Noryl



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3604-57	363	1674	272	1946	530	1000
UF-3604-58	413	1671	272	1943	600	1140
UF-3604-60	491	1722	272	1994	600	1140
UF-3604-62	555	1721	272	1993	905	1140
UF-3604-64	635	1918	272	2190	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3604-57	2 x 136	4,6	13,6	200
UF-3604-58	2 x 166	5,6	16,6	300
UF-3604-60	2 x 240	8,1	24	300
UF-3604-62	2 x 300	10,2	30	500
UF-3604-64	2 x 430	13,6	43	1000

TWIN WS1.5TT DF NORYL

CLACK 1" ½ SOFTENER

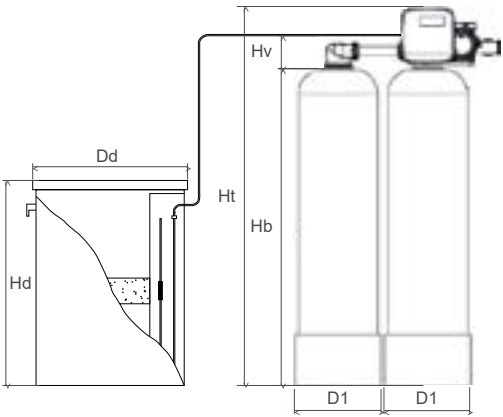
Twin alternating softener for removing hardness using ion exchange resins.

Clack WS1.5TT DF Noryl volumetric valve for control of the two bottles, digital programmer and delayed, instantaneous or mixed downflow regeneration.

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- Its special design allows for optimal service flow rates (up to 12.3m³/h) and backwashes.
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Turbine for controlling the volume of treated water
- Includes collector between bottles
- 1 1/2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



The image could do not correspond to the model.

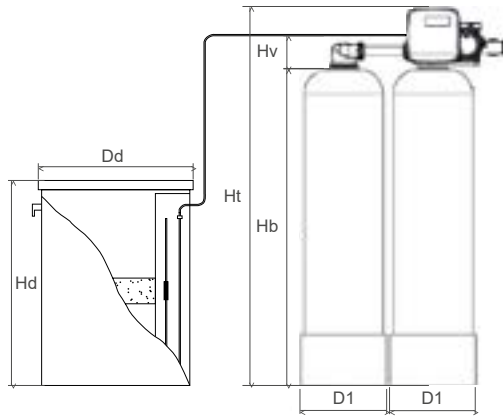
CODE	DIMENSIONS (mm)					
	D1	Hb	Hv	Ht	Dd	Hd
ED-3605-57	363	1674	281	1955	530	1000
ED-3605-58	413	1671	281	1952	600	1140
ED-3605-59	413	1671	281	1952	600	1140
ED-3605-60	491	1722	281	2003	600	1140
ED-3605-61	491	1722	281	2003	905	1140
ED-3605-62	555	1721	281	2002	905	1140
ED-3605-63	635	1918	281	2199	905	1140
ED-3605-65	635	1918	281	2199	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3605-57	2x100	4	20	300
ED-3605-58	2x125	5	25	300
ED-3605-59	2x140	5,6	28	500
ED-3605-60	2x170	6,8	34	500
ED-3605-61	2x200	8	40	500
ED-3605-62	2x225	9	45	500
ED-3605-63	2x300	12	60	500
ED-3605-64	2x350	12,3	70	1000

CODE	MODEL
AV-3002-22	Kit micro Clack 1" - 1 1/4" - 1 1/2"



The image could do not correspond to the model.



CODE	DIMENSIONS (mm)					
	D1	Hb	Hv	Ht	Dd	Hd
UF-3605-57	363	1674	281	1955	530	1000
UF-3605-58	413	1671	281	1952	600	1140
UF-3605-60	491	1722	281	2003	600	1140
UF-3605-62	555	1721	281	2002	905	1140

- Its special design allows for optimal service flow rates (up to 12.3 m³/h) and backwashing.
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- Turbine for controlling the volume of treated water
- Includes collector between bottles.
- 1 1/2" Connection
- High capacity food grade resin fillerfor high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3605-57	2x136	4,6	13,6	200
UF-3605-58	2x166	5,6	16,6	300
UF-3605-60	2x240	8,16	24	300
UF-3605-62	2x300	10,2	30	500
UF-3605-64	2x430	12,3	43	1000

CODE	MODEL
AV-3002-22	Kit micro Clack 1" - 1 1/4" - 1 1/2"

TWIN WS1.5TT UF NORYL

UPFLOW

CLACK 1" ½ SOFTENER

Twin alternating softener for removing hardness using ion exchange resins.

Clack WS1.5TT UF Noryl volumetric valve for control of the two bottles, digital programmer and instant upflow regeneration.

LOW SALT CONSUMPTION

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.



WS1.5Ci DF

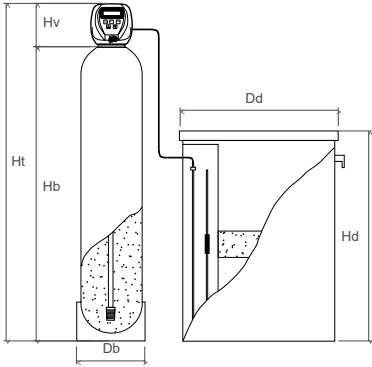
CLACK 1" ½ SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS1.5Ci DF volumetric valve, digital programmer and delayed or instantaneous downflow regeneration.



- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 1 ½" connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



1" shut-off valve ½

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3204-07	363	1674	237	1911	530	1000
ED-3204-08	413	1671	237	1908	600	1140
ED-3204-09	413	1671	237	1908	600	1140
ED-3204-10	491	1722	237	1959	600	1140
ED-3204-11	491	1722	237	1959	905	1140
ED-3204-12	555	1721	237	1958	905	1140
ED-3204-13	635	1918	237	2155	905	1140
ED-3204-14	635	1918	237	2155	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3204-07	100	4,0	20	200
ED-3204-08	125	5,0	25	300
ED-3204-09	140	5,6	28	300
ED-3204-10	170	6,8	34	300
ED-3204-11	200	8,0	40	500
ED-3204-12	225	9,0	45	500
ED-3204-13	300	12,0	60	500
ED-3204-14	350	13,5	70	1000

CODE	MODEL
VA-3004-12	Shut-off valve 1 ½ "



WS1.5Ci UF

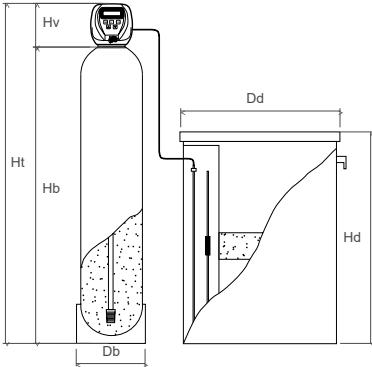
UPFLOW CLACK 1" ½ WATER SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

LOW SALT CONSUMPTION.

Clack WS1.5Ci UF volumetric valve, digital programmer and delayed or instantaneous upflow regeneration.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 1 ½ " Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



1" shut-off valve ½

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3204-07	363	1674	237	1911	530	1000
UF-3204-08	413	1671	237	1908	600	1140
UF-3204-10	491	1722	237	1959	600	1140
UF-3204-12	555	1721	237	1958	905	1140
UF-3204-14	635	1918	237	2155	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3204-07	136	4,5	13,6	200
UF-3204-08	166	5,5	16,6	300
UF-3204-10	240	8,2	24	300
UF-3204-12	300	10,2	30	500
UF-3204-14	430	13,5	43	1000

CODE	MODEL
VA-3004-12	1 ½ " shut-off valve

WS1.5Ci DF DUPLEX

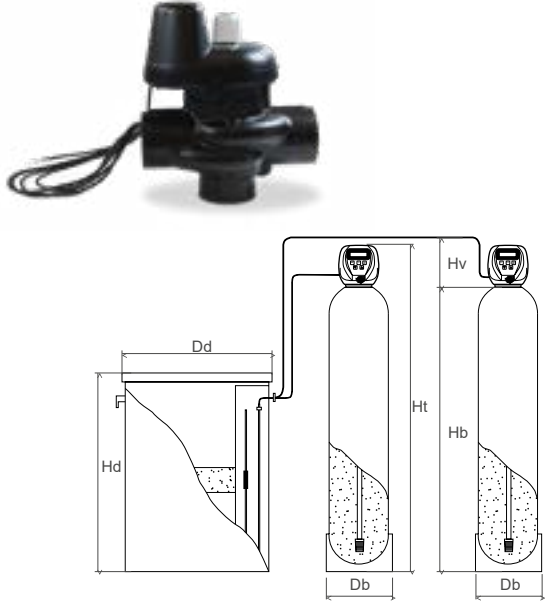
CLACK 1" ½ SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1.5Ci DF volumetric valve in each bottle, digital programmer and instant, delayed or mixed downflow regeneration.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass
- 1 ½" connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3604-07	363	1674	237	1911	530	1000
ED-3604-08	413	1671	237	1908	600	1140
ED-3604-09	413	1671	237	1908	600	1140
ED-3604-10	491	1722	237	1959	600	1140
ED-3604-11	491	1722	237	1959	905	1140
ED-3604-12	555	1721	237	1958	905	1140
ED-3604-13	635	1918	237	2155	905	1140
ED-3604-14	635	1918	237	2155	1190	1425

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3604-07	2 x 100	4,0	20	300
ED-3604-08	2 x 125	5,0	25	300
ED-3604-09	2 x 140	5,6	28	500
ED-3604-10	2 x 170	6,8	34	500
ED-3604-11	2 x 200	8,0	40	500
ED-3604-12	2 x 225	9,0	45	500
ED-3604-13	2 x 300	12,0	60	500
ED-3604-14	2 x 350	13,5	70	1000

Clack



WS1.5Ci UF DUPLEX

UPFLOW

CLACK 1" ½ SOFTENER

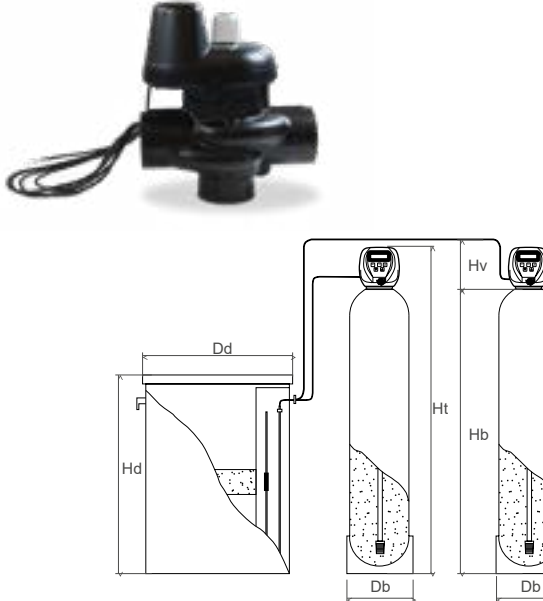
Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS1.5Ci UF volumetric valve in each bottle, digital programmer and instant, delayed or mixed upflow regeneration.

LOW SALT CONSUMPTION

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass
- 1 ½" connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-15Vdc 50/60 Hz



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3604-07	363	1674	237	1911	530	1000
UF-3604-08	413	1671	237	1908	530	1000
UF-3604-10	491	1722	237	1959	600	1140
UF-3604-12	555	1721	237	1958	600	1140
UF-3604-14	635	1918	237	2155	1200	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3604-07	2 x 136	4,5	13,6	200
UF-3604-08	2 x 166	5,5	16,6	300
UF-3604-10	2 x 240	8,2	24	300
UF-3604-12	2 x 300	10,2	30	500
UF-3604-14	2 x 430	13,5	43	1000

WS2Ci DF NORYL

CLACK 2" SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

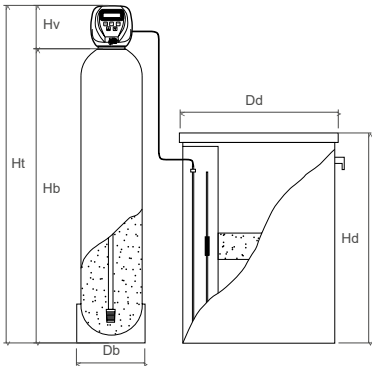
Clack WS2Ci DF Noryl volumetric valve, digital programmer and instantaneous, delayed or mixed downflow regeneration.

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.



The image can do not correspond to the model.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



2" Noryl shut-off valve

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3206-58	413	1671	317	1988	620	1230
ED-3206-59	413	1671	317	1988	620	1230
ED-3206-60	486	1722	317	2039	620	1230
ED-3206-61	486	1722	317	2039	905	1140
ED-3206-62	550	1721	317	2038	905	1140
ED-3206-63	626	1918	317	2235	905	1140
ED-3206-64	626	1918	317	2235	1200	1320
ED-3206-65	780	1836	317	2153	1200	1320
ED-3206-66	938	1856	317	2173	1510	1350

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3206-58	125	5,0	25	300
ED-3206-59	140	5,6	28	300
ED-3206-60	170	6,8	34	300
ED-3206-61	200	8,0	40	500
ED-3206-62	225	9,0	45	500
ED-3206-63	300	12,0	60	500
ED-3206-64	350	14,0	70	1000
ED-3206-65	500	20,0	100	1000
ED-3206-66	750	20,0	150	1500

CODE	MODEL
VA-3005-22	Noryl 2" shut-off valve



The image can do not correspond to the model.

WS2Ci UF NORYL

UPFLOW CLACK 2" SOFTENER

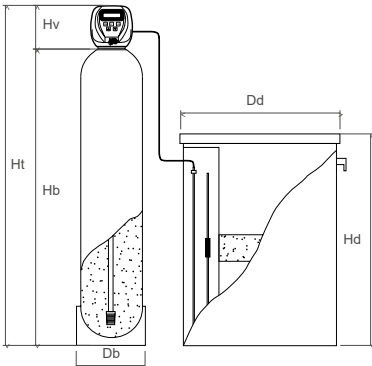
Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS2Ci UF Noryl volumetric valve, digital programmer and instantaneous, delayed or mixed upflow regeneration.

LOW SALT CONSUMPTION.

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



2" Noryl shut-off valve

CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3206-58	413	1671	317	1988	620	1230
UF-3206-60	486	1722	317	2039	620	1230
UF-3206-62	550	1721	317	2038	905	1140
UF-3206-64	626	1915	317	2235	1200	1320
UF-3206-65	780	1836	317	2153	1200	1320
UF-3206-66	938	1856	317	2173	1510	1350

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3206-58	166	5,6	16.6	300
UF-3206-60	240	8,2	24	300
UF-3206-62	300	10,2	30	500
UF-3206-64	430	14,6	43	1000
UF-3206-65	700	20	70	1000
UF-3206-66	990	20	99	1500

CODE	MODEL
VA-3005-22	Noryl 2" shut-off valve

WS2Ci DF NORYL DUPLEX CLACK 2" SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS2Ci DF Noryl volumetric valve in each bottle, digital programmer and instant, delayed or mixed downflow regeneration.

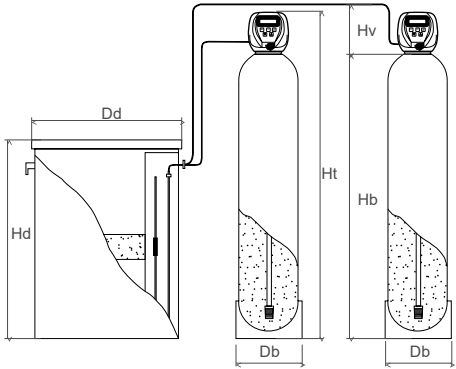
The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.



The image can do not correspond to the model.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass.
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3606-58	413	1671	317	1988	620	1230
ED-3606-59	413	1671	317	1988	620	1230
ED-3606-60	486	1722	317	2039	620	1230
ED-3606-61	486	1722	317	2039	905	1140
ED-3606-62	550	1721	317	2038	905	1140
ED-3606-63	626	1918	317	2235	905	1140
ED-3606-64	626	1918	317	2235	1200	1320
ED-3606-65	780	1836	317	2153	1200	1320
ED-3606-66	938	1856	317	2173	1510	1350

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3606-58	2 x 125	5,0	25	300
ED-3606-59	2 x 140	5,6	28	500
ED-3606-60	2 x 170	6,8	34	500
ED-3606-61	2 x 200	8,0	40	500
ED-3606-62	2 x 225	9,0	45	500
ED-3606-63	2 x 300	12,0	60	500
ED-3606-64	2 x 350	14,0	70	1000
ED-3606-65	2 x 500	20,0	100	1000
ED-3606-66	2 x 750	20,0	150	1500



The image can do not correspond to the model.

WS2Ci UF NORYL DUPLEX UPFLOW CLACK 2" WATER SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

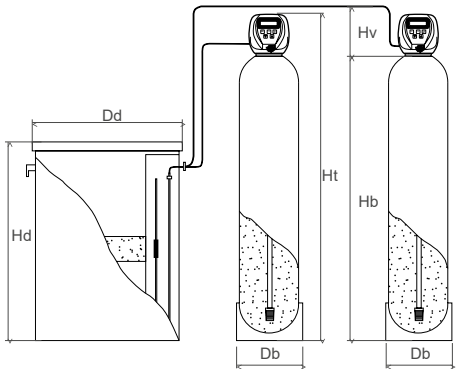
Clack WS2Ci UF Noryl volumetric valve in each bottle, digital programmer and instant, delayed or mixed upflow regeneration.

LOW SALT CONSUMPTION

The valve made of Noryl improves resistance to chemicals and has a greater tolerance in saline or corrosive environments compared to metals. Its lower weight simplifies handling.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass.
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3606-58	413	1671	317	1988	620	1230
UF-3606-60	486	1722	317	2039	620	1230
UF-3606-62	550	1721	317	2038	905	1140
UF-3606-64	626	1918	317	2235	1200	1320
UF-3606-65	780	1836	317	2153	1200	1320
UF-3605666	938	1856	317	2173	1510	1350

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3606-58	2 x 166	5,6	16.6	300
UF-3606-60	2 x 240	8,2	24	300
UF-3606-62	2 x 300	10,2	30	500
UF-3606-64	2 x 430	14,6	43	1000
UF-3606-65	2 x 700	20	70	1000
UF-3606-66	2 x 990	20	99	1500

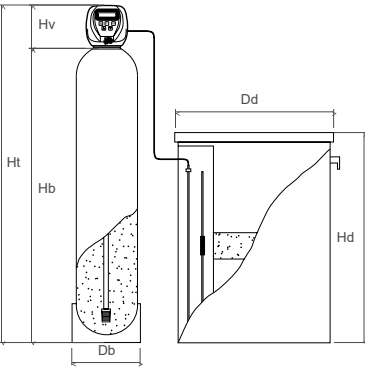
WS2Ci DF

CLACK 2" SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

Clack WS2Ci DF volumetric valve, digital programmer and instantaneous, delayed or mixed downflow regeneration.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3206-08	413	1671	216	1887	600	1140
ED-3206-09	413	1671	216	1887	600	1140
ED-3206-10	486	1722	216	1938	600	1140
ED-3206-11	486	1722	216	1938	905	1140
ED-3206-12	550	1721	216	1937	905	1140
ED-3206-13	626	1915	216	2132	905	1140
ED-3206-14	626	1915	216	2132	1200	1320
ED-3206-15	780	1836	216	2052	1200	1320
ED-3206-16	938	1856	216	2072	1560	1170

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3206-08	125	5,0	25	300
ED-3206-09	140	5,6	28	300
ED-3206-10	170	6,8	34	300
ED-3206-11	200	8,0	40	500
ED-3206-12	225	9,0	45	500
ED-3206-13	300	12,0	60	500
ED-3206-14	350	14,0	70	1000
ED-3206-15	500	20,0	100	1000
ED-3206-16	750	20,0	150	1500

CODE	MODEL
VA-3005-12	2" shut-off valve
AV-3402-04	Micro Auxiliary WS2

Clack



Clack



WS2Ci UF UPFLOW

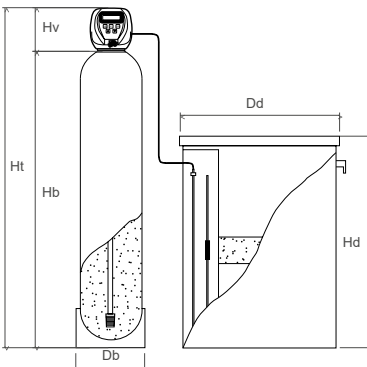
CLACK 2" SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

LOW SALT CONSUMPTION.

Clack WS2Ci UF volumetric valve, digital programmer and instantaneous, delayed or mixed upflow regeneration.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3206-08	413	1671	216	1887	600	1140
UF-3206-10	491	1722	216	1938	600	1140
UF-3206-12	555	1721	216	1937	905	1140
UF-3206-14	635	1918	216	2134	1200	1320
UF-3206-15	780	1836	216	2052	1200	1320
UF-3206-16	938	1856	216	2072	1560	1170

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3206-08	166	5,6	16.6	300
UF-3206-10	240	8,2	24	300
UF-3206-12	300	10,2	30	500
UF-3206-14	430	14,6	43	1000
UF-3206-15	700	20	70	1000
UF-3206-16	990	20	99	1500

CODE	MODEL
VA-3005-12	2" shut-off valve
AV-3402-04	Micro Auxiliary WS2

WS2Ci DF DUPLEX

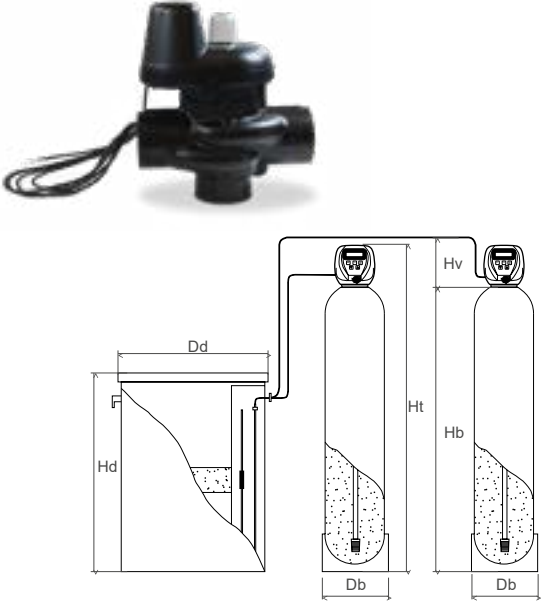
CLACK 2" SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS2Ci DF volumetric valve in each bottle, digital programmer and instant, delayed or mixed downflow regeneration.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include collector between valves or By-pass.
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-3606-08	413	1671	216	1887	600	1140
ED-3606-09	413	1671	216	1887	905	1140
ED-3606-10	486	1722	216	1938	905	1140
ED-3606-11	486	1722	216	1938	905	1140
ED-3606-12	550	1721	216	1937	905	1140
ED-3606-13	626	1915	216	2132	905	1140
ED-3606-14	626	1915	216	2132	1200	1320
ED-3606-15	780	1836	216	2052	1200	1320
ED-3606-16	938	1856	216	2072	1560	1170

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-3606-08	2 x 125	5,0	25	300
ED-3606-09	2 x 140	5,6	28	500
ED-3606-10	2 x 170	6,8	34	500
ED-3606-11	2 x 200	8,0	40	500
ED-3606-12	2 x 225	9,0	45	500
ED-3606-13	2 x 300	12,0	60	500
ED-3606-14	2 x 350	14,0	70	1000
ED-3606-15	2 x 500	20,0	100	1000
ED-3606-16	2 x 750	20,0	150	1500



WS2Ci UF DUPLEX

UPFLOW CLACK 2" SOFTENER

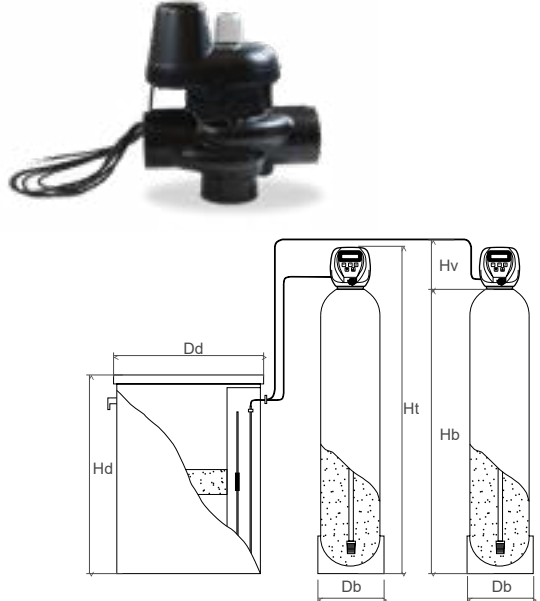
Alternating duplex softener for removing hardness using ion exchange resins.

Clack WS2Ci UF volumetric valve in each bottle, digital programmer and instant, delayed or mixed upflow regeneration.

LOW SALT CONSUMPTION.

Permanently softened water, only one bottle in service, the second in regeneration phase or on standby.

- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- Includes 3-way valve. Does not include manifold between valves or By-pass.
- 2" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 200~240V 50/60Hz 15Vdc



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
UF-3606-08	413	1671	216	1887	600	1140
UF-3606-10	491	1722	216	1938	600	1140
UF-3606-12	555	1721	216	1937	905	1140
UF-3606-14	635	1918	216	2134	1200	1320
UF-3606-15	780	1836	216	2052	1200	1320
UF-3606-16	938	1856	216	2072	1560	1170

CODE	RESIN LOADING (L)	WORK FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
UF-3606-08	2 x 166	5,6	16.6	300
UF-3606-10	2 x 240	8,2	24	300
UF-3606-12	2 x 300	10,2	30	500
UF-3606-14	2 x 430	14,6	43	1000
UF-3606-15	2 x 700	20	70	1000
UF-3606-16	2 x 990	20	99	1500

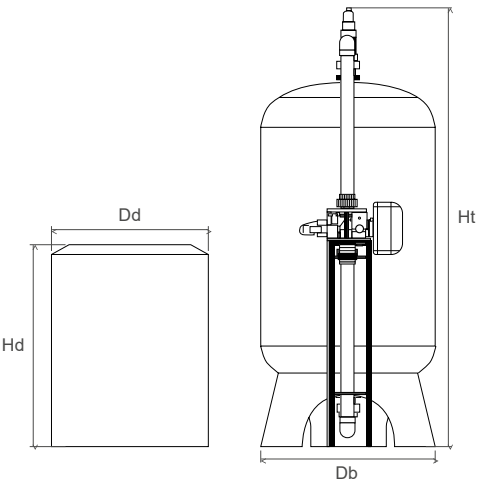
WS2HF

CLACK 2" SOFTENER

Simplex, duplex, triplex softeners or series of up to 16 bottles for removing hardness using ion exchange resins.

Clack WS2HF volumetric valve, digital programmer and instantaneous, delayed or mixed downflow regeneration.

- Side mounted valve
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 2" Connection
- Alternating duplex systems: includes 1 alternating motorized valve (VA-3008-40)
- Triplex and higher systems: includes 1 shut-off valve per bottle (VA-3005-12)
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-20Vac 50Hz

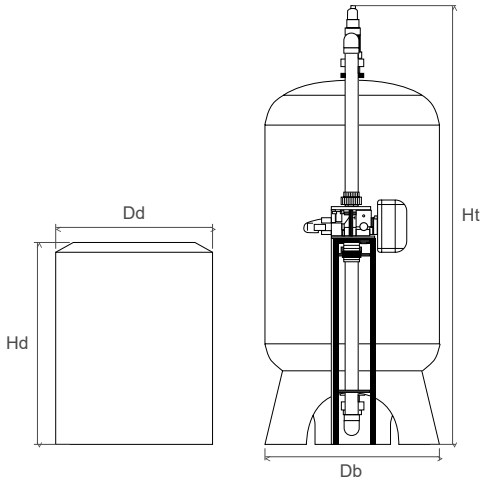


CODE	DIMENSIONS (mm)			
	Db	Ht	Dd	Hd
ED-3208-03	413	2640	1190	1425
ED-3208-05	938	2647	1510	1350
ED-3208-07	1089	2860	1570	1560
ED-3208-08	1233	2860	1570	1560
ED-3208-10	1625	2525	1850	1530

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
SIMPLEX BIBLOC WATER SOFTENERS				
ED-3208-03	500	20	100	1000
ED-3208-05	750	28	150	1500
ED-3208-07	1000	28	200	2000
ED-3208-08	1200	28	240	2000
ED-3208-10	1600	28	300	3000
DUPLEX WATER SOFTENERS				
ED-3608-03	2 x 500	20*	100	1000
ED-3608-05	2 x 750	28*	150	1500
ED-3608-07	2 x 1000	28*	200	2000
ED-3608-08	2 x 1200	28*	240	2000
ED-3608-10	2 x 1600	28*	300	3000
TRIPLEX WATER SOFTENERS				
ED-3808-03	3 x 500	20*	100	3 x 1000
ED-3808-05	3 x 750	28*	150	3 x 1500
ED-3808-07	3 x 1000	28*	200	3 x 2000
ED-3808-08	3 x 1200	28*	240	3 x 2000
ED-3808-10	3 x 1600	28*	300	3 x 3000

* Flow rate per bottle

CODE	MODEL
VA-3005-12	2" shut-off valve



CODE	DIMENSIONS (mm)			
	Db	Ht	Dd	Hd
ED-3210-03	780	2460	1190	1425
ED-3210-05	938	2647	1510	1350
ED-3210-07	1089	2860	1570	1560
ED-3210-08	1233	2860	1570	1560
ED-3210-10	1625	2525	1850	1530
ED-3210-12	1625	2953	1850	1530

WS3H

CLACK 3" SOFTENER

Simplex, duplex and triplex softeners for removing hardness using ion exchange resins.

Clack WS3H volumetric valve, digital programmer and instantaneous, delayed or mixed downflow regeneration.

- Side mounted valve
- GRP vessel reinforced in polyester
- Regeneration frequency from 1 to 28 days
- External turbine for controlling the volume of treated water
- 3" Connection
- Alternating duplex systems: includes 1 alternating motorized valve (VA-3008-50)
- Triplex and higher systems: includes 1 shut-off valve per bottle (VA-3010-14)
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 43°C
- Power supply: 230V-20Vac 50Hz

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
SIMPLEX BIBLOC WATER SOFTENERS				
ED-3210-03	500	20	100	1000
ED-3210-05	750	30	150	1500
ED-3210-07	1000	40	200	2000
ED-3210-08	1200	48	240	2000
ED-3210-10	1600	56	300	3000
ED-3210-12	2250	56	450	3000
DUPLEX WATER SOFTENERS				
ED-3610-03	2 x 500	20*	100	1000
ED-3610-05	2 x 750	30*	150	1500
ED-3610-07	2 x 1000	40*	200	2000
ED-3610-08	2 x 1200	48*	240	2000
ED-3610-10	2 x 1600	56*	300	3000
ED-3610-12	2 x 2250	56*	450	3000
TRIPLEX WATER SOFTENERS				
ED-3810-03	3 x 500	20*	100	3 x 1000
ED-3810-05	3 x 750	30*	150	3 x 1500
ED-3810-07	3 x 1000	40*	200	3 x 2000
ED-3810-08	3 x 1200	48*	240	3 x 2000
ED-3810-10	3 x 1600	56*	300	3 x 3000
ED-3810-12	3 x 2250	56*	450	3 x 3000

* Flow rate per bottle

CODE	MODEL
VA-3010-14	3" shut-off valve

MULTIPLE PROGRAMMER FROM CLACK SYSTEMS

SYSTEM CONTROLLER CLACK

You make the decision: Progressive flow... Alternating... Random... Series...

The system controller operates 2 to 8 units in 1 or 2 independent systems, or functions as a monitor only.



- Front panel multi-color backlit graphical display for time of day, day of week, days until next regeneration, current flow rate per bottle, current system flow rate, and total system volume used (totalizer).
- Can be used with Clack WS1Ci, WS1.25Ci, WS1.5Ci and WS2Ci control valves.
- Two input connections that can be used for counters or other auxiliary inputs
- Integrated Ethernet connection for real-time remote bi-directional monitoring of system performance
- Supports Modbus RS485 TCP/IP communications
- The system programming and diagnostic information spreadsheet can be downloaded to a standard USB drive
- Two single pole double throw (SPDT) fused relay outputs
- A demand-based counter output signal
- Lithium battery backup for time of day with easy access cover
- Front panel LED status indicators for Online, Standby, Regeneration and Lead Unit Position
- USB connector on the front for data download.
- Language options: English, Spanish, French, German, Italian, Dutch and Polish.
- Allows you to control 2 treatment groups 4-4
- Simple Equipment - As many bottles as we want
- 1 Valve of MAV cut by team

TECHNICAL CHARACTERISTICS

- Minimum/maximum operating temperature: 4°-43°C

Electrical specifications:

- Supply voltage 200/240 VAC
- Power frequency 50/60 Hz
- Output voltage (nominal) 15 VDC
- Output current (max. per valve) 0.5 A

Shipping box dimensions: 15.5"x12.25"x6.5"

Shipping weight: 3.8 Kg

TANK APPLICATIONS

- Operation of 2 - 8 units
- Ion Exchange.....6" - 48" Diameter
- Filtration.....6" - 36" Diameter

Necessary components for a line of treatment with System Controller

CODE	MODEL
AV-3602-30	Clack Multi Programmer (1 Unit)
AV-3602-32	Power cord* (1 per unit)
AV-3004-12	Communication cable* (1 per device)

* One cable of this type is required for each valve.

CONTROLLER OPTIONS				
SYSTEM TYPES	PROGRESSIVE FLOW	ALTERNATOR	RANDOM	SERIAL
DEFINITION	Puts the valves on-line (service) and off-line (standby) based on flow demand. Rotation of the leading valve when it is regenerated.	There is always one valve offline (standby) at all times and regenerates one valve at a time.	All valves online (service) and regenerate one valve at a time as needed in any order	All valves in service and when the leading valve regenerates, upon completion, they regenerate all the others in sequence.
APPLICATIONS	Softener and filter	Softener and filter	Softener and filter	Filter only
VALVES	WS1, WS1.25, WS1.5P, WS1.5, WS2, WS2P	WS1, WS1.25, WS1.5P, WS1.5, WS2, WS2P	WS1, WS1.25, WS1.5P, WS1.5, WS2, WS2P	WS1, WS1.25, WS1.5P, WS1.5, WS2, WS2P
SYSTEM SIZE	2 - 8 Valves	2 - 8 Valves	2 - 8 Valves	2 - 8 Valves

CONTROLLER UP TO 8 BOTTLES WITH CLACK VALVES



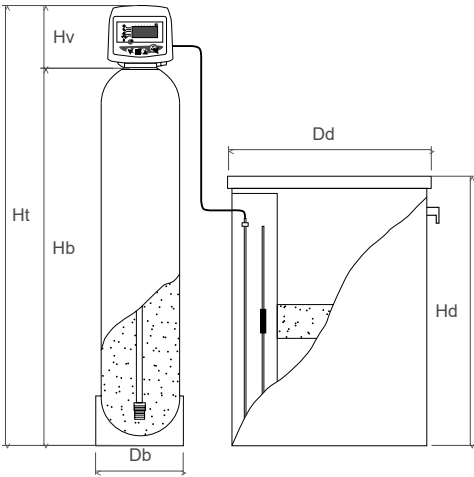
MODEL 255-760

AUTOTROL 1" SOFTENER

Automatic bibloc softener for removing hardness using ion exchange resins.

Volumetric valve 255-760, digital programmer and delayed downflow regeneration.

- High regeneration efficiency: salt consumption 150g salt per liter of resin
- Vessel made of fiberglass reinforced polyester (PRFV)
- Regeneration by consumption average
- Forced regeneration from 1/2 to 99 days
- Integrated hardness mixer
- Turbine for controlling the volume of treated water
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Power supply: 230V-12V 50Hz



CODE	DIMENSIONS (mm)					
	Db	Ht	Dd	Hd	Hv	Hb
ED-0422-01	182	953	445	680	189	764
ED-0422-02	182	1087	445	680	189	898
ED-0422-03	206	1087	445	680	189	898
ED-0422-04	257	1085	445	680	189	896
ED-0422-05	257	1315	500	750	189	1126
ED-0422-06	257	1575	500	750	189	1386
ED-0422-07	310	1421	500	750	189	1232
ED-0422-08	336	1582	530	1000	189	1393

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-0422-01	12	0,5	1,8	100
ED-0422-02	15	0,6	2,2	100
ED-0422-03	20	0,8	3,0	100
ED-0422-04	30	1,2	4,5	100
ED-0422-05	40	1,6	6,0	150
ED-0422-06	50	2,0	7,5	150
ED-0422-07	60	2,4	9,0	150
ED-0422-08	80	3,2	12,0	200

CODE	MODEL
AV-0224-23	Kit micro

PENTAIR
AUTOTROL



PENTAIR
AUTOTROL



PERFORMANCE SERIES

CV 278-762

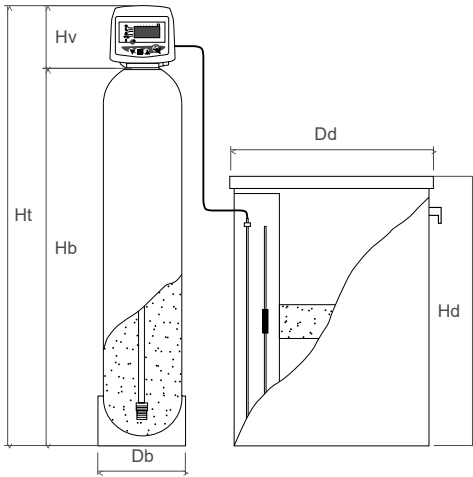
AUTOTROL 1" SOFTENER

Bibloc, volumetric control water softener for removing hardness using ion exchange resins.

AUTOTROL 278 "Performa CV" volumetric valve, digital programmer and delayed and instantaneous downflow regeneration.

Built entirely in anti-corrosive materials

- Vessel made of fiberglass reinforced polyester (PRFV)
- Hard water cut-off option during regeneration, via solenoid valve
- Electronic volumetric programmer 762, easy programming, with instantaneous or delayed regeneration.
- Turbine for controlling the volume of treated water
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Mixing screw not included
- Pressure: from 2.5 to 6 Bar
- Maximum temperature: 40 °C
- Power supply: 220V - 12V 50 Hz.



CODE	DIMENSIONS (mm)					
	Db	Ht	Dd	Hd	Hv	Hb
ED-0404-09	333	1563	530	1000	188	1375
ED-0404-10	369	1848	530	1000	188	1660
ED-0404-11	406	1853	530	1000	188	1665
ED-0404-12	406	1853	600	1140	188	1665
ED-0404-13	469	1975	600	1140	188	1787
ED-0404-14	552	1818	905	1140	188	1630

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-0404-09	80	3,2	13,6	200
ED-0404-10	100	4	17,0	200
ED-0404-11	125	5	21,3	200
ED-0404-12	140	5	23,8	300
ED-0404-13	170	5	28,9	300
ED-0404-14	200	5	34,0	500

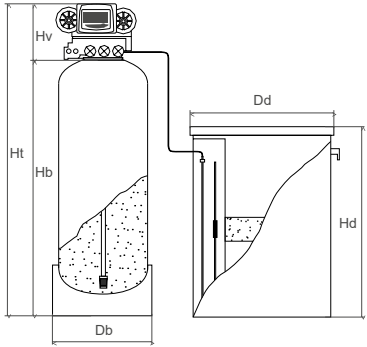
CODE	MODEL
AV-0224-23	Kit micro

MAGNUM AUTOTROL 2” SOFTENER

Automatic bibloc water softener for removing hardness using ion exchange resins.

MAGNUM 762 volumetric valve, digital programmer and delayed or instantaneous downflow regeneration.

- Vessel made of fiberglass reinforced polyester (PRFV)
- Regeneration by consumption average
- Forced regeneration from 1/2 to 99 days
- Turbine for controlling the volume of treated water
- 2” Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 40°C
- Power supply: 230V-12V 50Hz



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-0476-01	413	1671	272	1943	600	1140
ED-0476-02	413	1671	272	1943	600	1140
ED-0476-03	486	1722	272	1994	600	1140
ED-0476-04	486	1722	272	1994	905	1140
ED-0476-05	550	1722	272	1994	905	1140
ED-0476-06	626	1915	272	2187	905	1140
ED-0476-07	626	1915	272	2187	1200	1320
ED-0476-09	780	1836	272	2128	1200	1320
ED-0476-10	938	1856	272	2128	1200	1320
ED-0476-11	938	1856	272	2128	1560	1320

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-0476-01	125	5,0	21,3	300
ED-0476-02	140	5,6	23,8	300
ED-0476-03	170	6,8	28,9	300
ED-0476-04	200	8,0	34,0	500
ED-0476-05	225	9,0	38,3	500
ED-0476-06	300	12,0	51,0	500
ED-0476-07	350	14,0	59,5	1000
ED-0476-09	500	14,0	85,0	1000
ED-0476-10	650	14,0	110,5	1000
ED-0476-11	750	14,0	127,5	1500

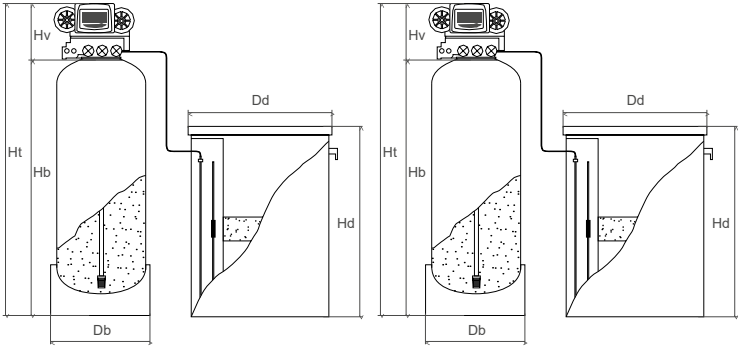
CODE	MODEL
AV-0221-06	Shut-off valve option
AV-0221-49	Kit micro Magnum

MAGNUM TWIN AUTOTROL 2” SOFTENER

Alternating duplex softener for removing hardness using ion exchange resins.

MAGNUM 764 volumetric valve, digital programmer and instant downflow regeneration.

Permanently softened water, only one bottle in service, the second in regeneration phase or on stand-by.



CODE	DIMENSIONS (mm)					
	Db	Hb	Hv	Ht	Dd	Hd
ED-0603-01	413	1671	272	1943	600	1140
ED-0603-02	413	1671	272	1943	600	1140
ED-0603-03	486	1722	272	1994	600	1140
ED-0603-04	486	1722	272	1994	905	1140
ED-0603-05	550	1722	272	1994	905	1140
ED-0603-06	626	1915	272	2187	905	1140
ED-0603-07	626	1915	272	2187	1200	1320
ED-0603-09	780	1836	272	2108	1200	1320
ED-0603-10	938	1856	272	2128	1200	1320
ED-0603-11	938	1856	272	2128	1560	1170

CODE	RESIN LOADING (L)	WORKING FLOW RATE (m³/h)	SALT CONSUMP. (Kg)	SALT TANK (L)
ED-0603-01	2 x 125	5,0	21,3	2 x 300
ED-0603-02	2 x 140	5,6	23,8	2 x 300
ED-0603-03	2 x 170	6,8	28,9	2 x 300
ED-0603-04	2 x 200	8,0	34,0	2 x 500
ED-0603-05	2 x 225	9,0	38,3	2 x 500
ED-0603-06	2 x 300	12,0	51,0	2 x 500
ED-0603-07	2 x 350	14,0	59,5	2 x 1000
ED-0603-09	2 x 500	14,0	85,0	2 x 1000
ED-0603-10	2 x 650	14,0	110,5	2 x 1000
ED-0603-11	2 x 750	14,0	127,5	2 x 1500

CODE	MODEL
AV-0221-49	Kit micro Magnum

SPREADSHEET TO DETERMINE VOLUME OF SOFT WATER FOR
SOFTENERS WITH DOWNFLOW REGENERATION

RESIN LITRES	VOLUME OF WATER BETWEEN REGENERATIONS (m³) VS HARDNESS (°HF)								
	30	35	40	45	50	55	60	65	70
8	1,6	1,4	1,2	1,1	1,0	0,9	0,8	0,7	0,7
12	2,4	2,1	1,8	1,6	1,4	1,3	1,2	1,1	1,0
15	3,0	2,6	2,3	2,0	1,8	1,6	1,5	1,4	1,3
20	4,0	3,4	3,0	2,7	2,4	2,2	2,0	1,8	1,7
30	6,0	5,1	4,5	4,0	3,6	3,3	3,0	2,8	2,6
40	8,0	6,9	6,0	5,3	4,8	4,4	4,0	3,7	3,4
50	10,0	8,6	7,5	6,7	6,0	5,5	5,0	4,6	4,3
60	12,0	10,3	9,0	8,0	7,2	6,5	6,0	5,5	5,1
80	16,0	13,7	12,0	10,7	9,6	8,7	8,0	7,4	6,9
100	20,0	17,1	15,0	13,3	12,0	10,9	10,0	9,2	8,6
125	25,0	21,4	18,8	16,7	15,0	13,6	12,5	11,5	10,7
140	28,0	24,0	21,0	18,7	16,8	15,3	14,0	12,9	12,0
170	34,0	29,1	25,5	22,7	20,4	18,5	17,0	15,7	14,6
200	40,0	34,3	30,0	26,7	24,0	21,8	20,0	18,5	17,1
225	45,0	38,6	33,8	30,0	27,0	24,5	22,5	20,8	19,3
300	60,0	51,4	45,0	40,0	36,0	32,7	30,0	27,7	25,7
350	70,0	60,0	52,5	46,7	42,0	38,2	35,0	32,3	30,0
450	90,0	77,1	67,5	60,0	54,0	49,1	45,0	41,5	38,6
500	100,0	85,7	75,0	66,7	60,0	54,5	50,0	46,2	42,9
650	130,0	111,4	97,5	86,7	78,0	70,9	65,0	60,0	55,7
750	150,0	128,6	112,5	100,0	90,0	81,8	75,0	69,2	64,3
1000	200,0	171,4	150,0	133,3	120,0	109,1	100,0	92,3	85,7
1200	240,0	205,7	180,0	160,0	144,0	130,9	120,0	110,8	102,9
1500	300,0	257,1	225,0	200,0	180,0	163,6	150,0	138,5	128,6

* The exchange capacity may vary depending on the quality of the water supplied, the use, and the amount of impurities.

SPREADSHEET TO DETERMINE VOLUME OF SOFT WATER FOR
SOFTENERS WITH UPFLOW REGENERATION

RESIN LITRES	VOLUME OF WATER BETWEEN REGENERATIONS (M³) VS HARDNESS (°HF)								
	30	35	40	45	50	55	60	65	70
15	2,3	1,9	1,7	1,5	1,4	1,2	1,1	1,0	1,0
22	3,3	2,8	2,5	2,2	2,0	1,8	1,7	1,5	1,4
24	3,6	3,1	2,7	2,4	2,2	2,0	1,8	1,7	1,5
35	5,3	4,5	3,9	3,5	3,2	2,9	2,6	2,4	2,3
48	7,2	6,2	5,4	4,8	4,3	3,9	3,6	3,3	3,1
61	9,2	7,8	6,9	6,1	5,5	5,0	4,6	4,2	3,9
73	11,0	9,4	8,2	7,3	6,6	6,0	5,5	5,1	4,7
100	15,0	12,9	11,3	10,0	9,0	8,2	7,5	6,9	6,4
136	20,4	17,5	15,3	13,6	12,2	11,1	10,2	9,4	8,7
166	24,9	21,3	18,7	16,6	14,9	13,6	12,5	11,5	10,7
240	36,0	30,9	27,0	24,0	21,6	19,6	18,0	16,6	15,4
300	45,0	38,6	33,8	30,0	27,0	24,5	22,5	20,8	19,3
430	64,5	55,3	48,4	43,0	38,7	35,2	32,3	29,8	27,6
700	105,0	90,0	78,8	70,0	63,0	57,3	52,5	48,5	45,0
990	148,5	127,3	111,4	99,0	89,1	81,0	74,3	68,5	63,6
1350	202,5	173,6	151,9	135,0	121,5	110,5	101,3	93,5	86,8
1500	225,0	192,9	168,8	150,0	135,0	122,7	112,5	103,8	96,4

* The exchange capacity may vary depending on the quality of the water supplied, the use, and the amount of impurities.



REVERSE OSMOSIS

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The most complete 5-stage reverse osmosis:

- 69 Ø mm cartridges
- Post-filter Antibacteria
- WATER STOP PLUS anti-leak tray
- Membrane de 50 GPD FILMTEC
- 4 Gallon Reservoir
- With modern New Look griffin

TIBER plus



- Nanosilver Technology**
This technology eliminates 99.9% of bacteria.
- Large flow of water**
3/8" tubing.
- Large capacity tank**
4 gallon tank.
- Safety System**
It incorporates the WATER STOP PLUS anti-leak system and pressure reducer
- European Certificate of Conformity**

DOMESTIC REVERSE OSMOSIS 5 STAGES

High quality reverse osmosis system designed with excellent materials to generate water with minimal salt concentrations.

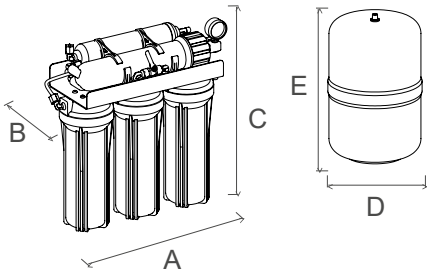
This system includes 69 mm diameter cartridges, allowing for superior filtration capacity. The purification process is complemented by NANOSILVER antibacterial technology, which uses silver as a natural bactericidal and fungicidal agent to ensure continuous sterilization.

The device is also equipped with the WATER STOP PLUS anti-leak system, designed to prevent flooding and effective even in the case of small leaks. It includes a leak detector with an absorbent material that can be easily changed without having to cut off the water supply.

TIBER PLUS REVERSE OSMOSIS DOMESTIC 5 STAGES

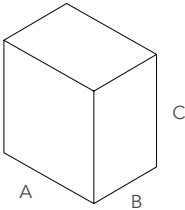
STAGES:

- PP filtration 5 µm
- Carbon Block
- Carbon Block Antibacteria
- 50 GPD Membrane Filmtec
- Antibacterial NANOSILVER post-filter.
- 100% coconut shell activated carbon
- 50 GPD FILMTEC membrane certified NSF / ANSI standard 058
- Antibacterial NANOSILVER Post-filter
- Includes New Look faucet
- Includes manual flushing
- Includes pressure gauge
- High water flow: 3/8" TUBE
- 5 in 1 multi-purpose wrench
- 4 gallon storage tank
- 1/4" pressure reducer



SYSTEM MEASURES

CODE	DIMENSIONS (mm)					WEIGHT (Kg)	
	A	B	C	D	E	Net	Gross
RO-0206-08+	400	145	430	240	430	11,50	12,50



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0206-08+	582	424	286	30	400	800



- WATER STOP PLUS leak detector
- Working pressure: 2.5 to 4.2 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1.000 ppm
- Power supply: Not required



CODE	MODEL
CA-1205-02	10" PP cartridge 5µm Ø 69 mm
CA-0605-03	Carbon block cartridge Ø 69 mm
CA-0603-03	Carbon block Ø 69mm antibacterial NANOSILVER cartridge
ME-0201-02	50 GPD FILMTEC Membrane 18x12
OI-0205-18	CTO 2"x10" Antibacterial NANOSILVER post-filter
CA-7006-02	Replacement kit for Tiber antibacterial cartridges
RO-0206-08+	Reverse Osmosis TIBER PLUS

The longest lasting 5-stage reverse osmosis:

- Simple
- Robust
- Economic
- Reliable



NEREO

DOMESTIC REVERSE OSMOSIS 5 STAGES

Osmosis system that produces pure water with low saline content.

Made with high quality and robust materials.

NEREO reverse osmosis offers an optimal quality-price ratio, standing out for its combination of simplicity and functionality.



Large flow of water
3/8" tubing.



Large capacity tank
4 gallon tank.



Quality / Price
High quality, economical equipment for obtaining water with low salt content.



European Certificate of Conformity

NEREO

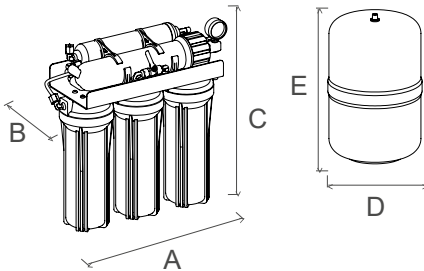
DOMESTIC REVERSE OSMOSIS 5 STAGES

5-stage reverse osmosis for the production of pure water with low salt content.

Made from high quality materials, the NEREO reverse osmosis system offers an excellent combination of quality, simplicity and functionality. Booster pump option.

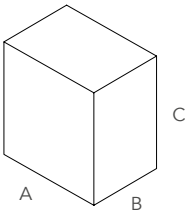
STAGES

- 5 µm PP filtration
- GAC carbon
- Carbon Block
- 50 GPD Membrane
- Post-filter Antibacteria



SYSTEM MEASURES

CODE	DIMENSIONS (mm)					WEIGHT (Kg)	
	A	B	C	D	AND	Net	Gross
RO-0206-12	400	145	420	240	430	10,10	11,10
RO-0206-22	365	190	470	240	430	13,10	14,10



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0206-12	427	321	514	32	400	800
RO-0206-22	427	321	514	32	400	800



- 100% coconut shell activated carbon
- 50 GPD Membrane Certified NSF/ANSI standard 058
- Antibacterial nanoparticle post-filter
- Includes Margarita faucet
- Includes pressure gauge
- High water flow: 3/8" TUBE
- 5 in 1 multi-purpose wrench
- 4 gallon storage tank
- Installation kit
- Working pressure:
 - Equipment with pump: 1 to 3 Bar
 - Equipment without pump: 2.5 to 4.2 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1,000 ppm
- Pump equipment:
 - Power supply: 220 – 24VDC
 - Booster pump LF-30LN

CODE	MODEL
CA-1203-02	10" PP cartridge 5 µm
CA-0604-08	10" GAC carbon cartridge
CA-0608-03	10" Carbon block cartridge
ME-2002-02	50 GPD Membrane 18x12
OI-0205-20	Carbon antibacterial nanoparticles Post-filter
CA-7003-02	NEREO 3 cartridge replacement kit
CA-7003-03	NEREO 3 cartridge replacement kit + Postfilter
RO-0206-12	NEREO Reverse Osmosis
RO-0206-22	NEREO reverse osmosis with pump

The most economical 5-stage reverse osmosis:

- Includes everything you need to have good tasting water on your faucet at a good price.
- Simple
- Functional

Alba



Large capacity tank
3.2 gallon tank.



Excellent quality/price ratio
High quality, economical equipment for obtaining water with low salt content.



European Certificate of Conformity

DOMESTIC REVERSE OSMOSIS 5 STAGES

The semipermeable membrane of the reverse osmosis system filters harmful chemicals and microparticles from the water. Thus, the ALBA water purifier provides clean and clear water, ideal for consumption and culinary use.

The ALBA domestic reverse osmosis model is characterized by its simple and functional design, providing excellent value for money.

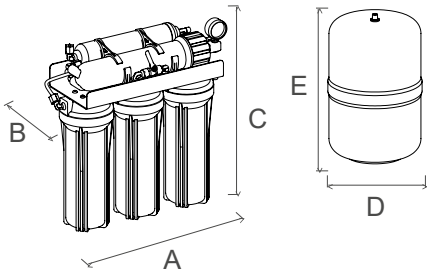
ALBA REVERSE OSMOSIS DOMESTIC 5 STAGES

5-stage reverse osmosis for the production of pure water with low salt content.

Made from high quality materials, the ALBA reverse osmosis system offers an excellent combination of quality, simplicity and functionality. Booster pump option.

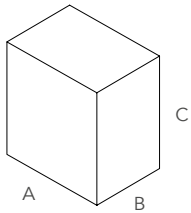
STAGES:

- PP filtration 5 µm
- GAC Carbon
- CTO Carbonl
- 50 GPD Membrane
- Post-filter



SYSTEM MEASURES

CODE	DIMENSIONS (mm)					WEIGHT (Kg)	
	A	B	C	D	AND	Net	Gross
RO-0205-12	400	145	420	244	366	10,10	11,10
RO-0205-22	365	190	425	240	430	13,10	14,10



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0205-12	427	321	575	32	400	800
RO-0205-22	427	321	575	32	400	800



- 100% coconut shell activated carbon
- 50 GPD Membrane Certified NSF/ANSI standard 058
- Includes Margarita faucet
- Includes pressure gauge
- 3.2 gallon storage tank
- Installation kit
- Working pressure:
 - Equipment with pump: 1 to 3 Bar
 - Equipment without pump: 2.5 to 4.2 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1,000 ppm
- Pump equipment:
 - Power supply: 220 – 24VDC
 - Booster pump LF-30LN

CÓDIGO	MODELO
CA-1203-06	10" PP cartridge 5µm
CA-0604-08	10" GAC carbon cartridge
CA-0608-07	10" CTO cartridge
ME-2002-02	50 GPD 18x12 membrane
OI-0207-17	GAC post-filter
CA-7001-02	Spare parts kit 3 ALBA cartridges
CA-7001-03	Spare parts kit 3 ALBA cartridges + postfilter
RO-0205-12	Reverse osmosis ALBA
RO-0205-22	Reverse osmosis ALBA with pump

COMPACT all-in-one reverse osmosis:

- QC1 cartridges
- Antibacterial NANOSILVER post-filter
- 75 GPD membrane
- WaterStop
- Tank
- All in one practical piece of furniture that doesn't take up space under the sink.

Kalys



-  **Nanosilver Technology**
This technology eliminates 99.9% of bacteria.
-  **Large flow of water**
Thanks to its 75 GDP membrane and its 3/8" TUBE.
-  **Large capacity tank**
3.2 gallon tank.
-  **Easy installation and maintenance**
Equipped with cartridges QC1 bayonet fittings that facilitate installation and maintenance.
-  **Safety System**
It incorporates the WATER STOP anti-leak system and, for equipment with a pump, also a reducer. depression.
-  **European Certificate of Conformity**

COMPACT DOMESTIC REVERSE OSMOSIS

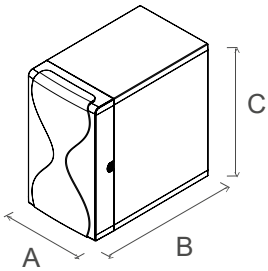
Compact reverse osmosis system that produces pure water with reduced salt content.

The Kalys omosis incorporates exclusive QC1 bayonet cartridges that simplify and reduce installation and maintenance time.

This system is equipped with very reliable safety devices, including the WATER STOP leak detector and a pressure regulator in models that have a booster pump.

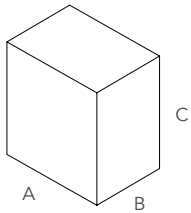
KALYS COMPACT REVERSE OSMOSIS

- PP filtration 5µm
- GAC carbon
- CTO Carbon Block
- 75 GPD Membrane encapsulated
- Antibacteria NANOSILVER Post-filter
- Booster pump option



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
RO-0238-01	250	430	420	10,50	11,50
RO-0238-03	250	430	420	13,50	14,50



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0238-01	500	310	540	32	380	760
RO-0238-03	500	310	540	32	380	760



QC1 bayonet cartridges



- QC1 bayonet cartridges for easy installation and maintenance
- 100% coconut shell activated carbon
- High water flow: 3/8" TUBE
- 75 GPD Membrane encapsulated
- Antibacteria NANOSILVER Post-filter.
- 3.2 gallon storage tank
- Installation kit
- Includes New Look faucet
- 1/4" pressure reducer in model with booster pump
- WATER STOP 1/4" leak detector: accurate and proven system leak detection system that cuts off the water supply even with small leaks. Low installation cost and no requires electrical installation.
- Working pressure:
 - Equipment with pump: 1 to 3 Bar
 - Equipment without pump: 2.5 to 4.2 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1.000 ppm
- Pump equipment:
 - Power supply: 220 – 24VDC
 - Booster pump LF-30LN

CODE	MODEL
CA-0222-02	QC1 PP sediment cartridge 5µm
CA-0222-04	QC1 GAC carbon cartridge
CA-0222-05	QC1 CTO carbon block cartridge
ME-0218-03	Membrane encapsulated 18x12 75GPD
OI-0205-18	Postfilter antibact. CTO 2"x10" NANOSILVER
CA-7014-12	QC1 cartridge kit
RO-0238-01	KALYS compact reverse osmosis
RO-0238-03	KALYS compact reverse osmosis + pump

COMPACT Reverse Osmosis:

- 2 GAC Carbon cartridges
- 75 GPD membrane
- WaterStop
- Tank
- All in one practical piece of furniture that doesn't take up space under the sink.

Nora



Large flow of water
Thanks to its 75 GDP membrane and its 3/8" tube.



Large capacity tank
3.2 gallon tank.



Safety System
It incorporates the WATER STOP anti-leak system and, for equipment with a pump, also a pressure reducer.



European Certificate of Conformity

COMPACT DOMESTIC REVERSE OSMOSIS

Compact reverse osmosis equipped with in-line cartridges for the production of water with low salt content.

This system includes highly reliable safety devices such as the WATER STOP leak detector and the pressure reducer in models with a booster pump.

NORA COMPACT REVERSE OSMOSIS

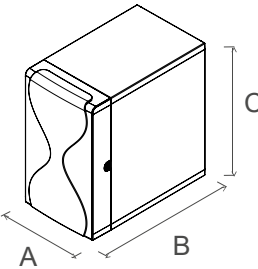
- 5 µm Filtration
- 2 stages of GAC Carbon
- 75GPD Membrane
- Antibacteria Post-filter
- Booster pump option



1/4" Water Stop

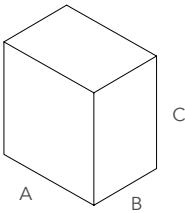


1/4" pressure regulator



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
RO-0240-01	250	430	420	10,50	11,50
RO-0240-03	250	430	420	13,50	14,50



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0240-01	500	310	540	32	380	760
RO-0240-03	500	310	540	32	380	760



- 100% coconut shell activated carbon
- High water flow: 3/8" TUBE
- Membrane 75 GPD 18x12 Certified NSF / ANSI standard 058
- Antibacterial nanoparticle post-filter
- 3.2 gallon storage tank
- Installation kit
- Includes Margarita faucet
- 1/4" pressure reducer in model with booster pump
- WATER STOP 1/4" leak detector: precise and proven leak detection system that cuts off the water supply even with small leaks. Low installation cost and no electrical installation required.
- Working pressure:
 - Equipment with pump: 1 to 3 Bar
 - Equipment without pump: 2.5 to 4.2 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1,000 ppm
- Pump equipment:
 - Power supply: 220 – 24VDC
 - Booster pump LF-30LN

CODE	MODEL
CA-9006-02	In line cartridge sediment PP 5µm
CA-9006-04	GAC carbon in line cartridge
CA-9006-04	GAC carbon in line cartridge
ME-2003-03	Membrane 18x12 75 GPD
OI-0205-20	Antibacterial nanoparticle post-filter
CA-7009-02	In line cartridge replacement kit
RO-0240-01	NORA Compact Reverse Osmosis
RO-0240-03	NORA compact reverse osmosis with pump



DOMESTIC REVERSE OSMOSIS DIRECT FLOW

Maximum performance and simplicity in a very small unit. Water quality and cartridge change indicators for extremely simple maintenance.



QUICK CONNECTION

Rotates and extracts filters and membrane. Safe, efficient and fast mechanics.



DIRECT FLOW

No tank required.



LED STATUS INDICATORS

Information on water quality and cartridge life.



HIGH EFFICIENCY

High performance technology that achieves maximum flow with less rejection.



CARTRIDGES AND MEMBRANE

original and exclusive



600 GPD

High performance to offer great flow.



SOUND WARNING

Leak and production cut indicator.



WATER QUALITY CONTROL

TDS Notice



AUTOMATIC MAINTENANCE NOTICE

Through LEDs and sound



QUICK AND EASY MAINTENANCE

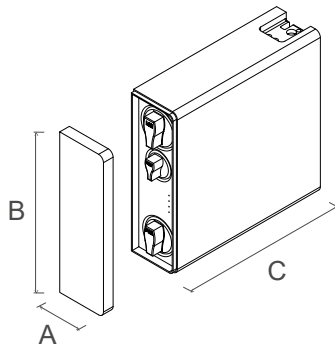
Twist and pull out.

ECUS DIRECT FLOW REVERSE OSMOSIS

Filtering system containing:

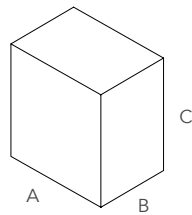
- 1.- PP + CTO bayonet prefilter (PRE),
- 2.- Bayonet membrane 600 GPD (ME),
- 3.- Postfilter bayonet CTO (POST)

- Intuitive interface with LED warnings for prefilter, membrane and postfilter.
- Includes ECUS faucet
- Peak flow rate: 1,6 Lpm
- Membrane 600 GPD
- TDS Maximum input : 1.000 ppm
- High performance diaphragm booster pump
- Decorative front to cover access to cartridges
- Inlet pressure: 1 to 4 Bar
- Inlet temperature: 5 to 35 °C
- Power supply: 24Vdc.
- External power adapter: 100-240V 50/60Hz: 24Vdc



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
RO-8001-01	136	433	455



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS
	A	B	C	
RO-8001-01	590	250	560	Pallet 24 Units.

HIGH RANGE DIRECT FLOW reverse osmosis:

- 2 Cartridges
- 1 Membrane
- Easy and fast connection
- 600 GPD: high flow
- No tank
- It does not take up space under the sink.



CODE	MODEL
CA-6001-01	PP + CTO Prefilter
ME-5001-01	ECUS membrane 600 GPD
CA-6001-02	CTO Postfilter
RO-8001-01	ECUS Direct Flow Compact Reverse Osmosis

Helia



DOMESTIC REVERSE OSMOSIS
DIRECT FLOW

The easiest way to get pure water from your faucet. The Helia reverse osmosis system only needs 2 cartridges to deliver pure water instantly. All in a 140x412x400 mm cabinet, to be placed under any sink.



QUICK CONNECTION

Rotates and extracts cartridge and membrane. Safe, efficient and fast mechanics.



DIRECT FLOW

No tank required.



LED STATUS INDICATORS

Information about cartridge life.



HIGH EFFICIENCY 2:1

800 GPD membrane that offers 2 liters of water for 1 liter of rejection.



CARTRIDGE AND MEMBRANE

3 in 1 cartridge (HPPC), and Membrane 800 GPD (RO)



800 GPD- FLOW RATE 1,6 LPM

High performance to offer great flow. Fill your glass with water in 12 seconds.



SMART FLUSHING

Different types of automatic flushing (first use, accumulated operation, cartridge change...).



HELIA SMART FAUCET

Built-in LED for water quality control, cartridge life warnings and errors (Check availability).



QUICK AND EASY MAINTENANCE

Twist and pull out.

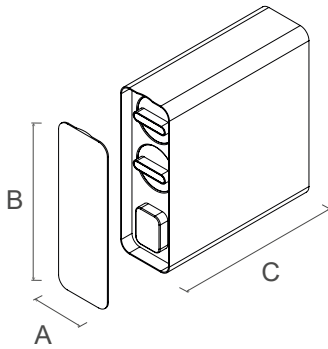
HELIA
DIRECT FLOW
REVERSE OSMOSIS

Filtering equipment containing:

- 3 in 1 cartridge (HPPC)
- 800 GPD membrane (RO).

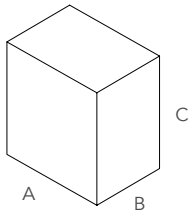
Bayonet system for changing cartridges, allowing them to be replaced with a simple twist and click.

- Intuitive interface with LED warnings for cartridge and membrane changes.
- Includes HELIA faucet (Basic or LED, consult).
- Peak flow rate: 2 Lpm
- Membrane 800 GPD
- Anti-leak system
- TDS Maximum input : 1,000 ppm
- High performance diaphragm booster pump
- Decorative front to cover access to cartridges
- Inlet pressure: 1 to 4 Bar
- Inlet temperature: 5 to 38 °C
- Power supply: 24Vdc.
- External power adapter: 100-240V 50/60Hz: 24Vdc



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT
	A	B	C	
RO-8002-02/04	140	400	412	10 Kg



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGIST.
	A	B	C	
RO-8002-02/04	578	260	486	Pallet

The smallest DIRECT FLOW reverse osmosis:

- 1 Cartridge
- 1 Membrane
- 800 GPD: high flowl
- Easy maintenance
- No tank
- 14 cm wide.



GRIFO BASIC HELIA



HELIA LED Faucet



CODE	MODEL
CA-6002-02	3 in 1 cartridge (HPPC)
ME-6002-02	HELIA 800 GPD Membrane (RO)
RO-8002-02	HELIA Reverse Osmosis + BASIC faucet
RO-8002-04N	HELIA Reverse Osmosis + LED HELIA faucet

Reverse osmosis that offers flow rates for medium consumption hospitality:

- 50-60 L/h
- 2 x 200 GPD membranes
- Antibacterial NANOSILVER post-filter
- WaterStop

XENA 10.1



Nanosilver Technology
This technology, eliminates 99.9% of bacteria.



High water production capacity
Thanks to its two 200 GDP membranes and its 3/8" tube.



No tank
Treats water immediately without the need for storage or additional treatments.



Safety System
It incorporates the WATER STOP anti-leak system and a reducer depression.



European Certificate of Conformity

DOMESTIC REVERSE OSMOSIS DIRECT FLOW

Direct flow reverse osmosis with high pure water production capacity.

Water flow: 50 – 60 L/h*

No accumulation tank required.

This system includes highly reliable safety equipment such as the WATER STOP leak detector and a pressure reducer.

*Flow rate may vary depending on water pressure, temperature and salinity.

XENA 10.1

DIRECT FLOW REVERSE OSMOSIS HIGH CAPACITY WATER PRODUCTION

Stages:

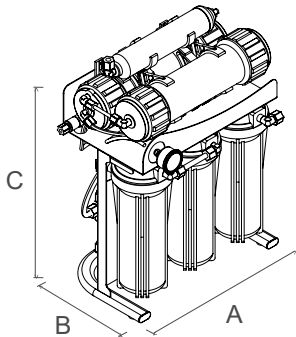
- Filtration 5 µm
- GAC carbon
- Carbon Block
- 2 200 GPD Membranes
- Antibacteria Nanosilver Post-filter



Water Stop 3/8"

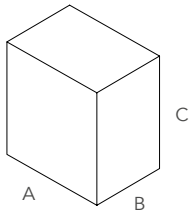


3/8" pressure reducer



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
RO-0220-22	370	215	520	16,30	17,30



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0220-22	425	285	530	36	500	1000



- 100% coconut shell activated carbon
- High water flow: 3/8" TUBE
- 2 200 GPD Membranes
- Antibacteria NANOSILVER Post-filter
- Includes pressure gauge
- Installation kit
- Includes Margarita faucet
- 3/8" pressure reducer
- WATER STOP 3/8" leak detector: precise and proven leak detection system that cuts off the water supply even with small leaks. Low installation cost and no electrical installation required.
- Working pressure: 1 to 3 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1,000 ppm
- Power supply: 220 – 24VDC
- Booster pump HF-45LN

CODE	MODEL
CA-1203-02	Polypropylene sediment cartridge 5µm 10"
CA-0604-08	10" GAC carbon cartridge
CA-0608-03	10" Carbon block cartridge
ME-2312-02	200 GPD Membrane 23x12
ME-2312-02	200 GPD Membrane 23x12
OI-0205-18	CTO carbon 2"x10" antibacterial NANOSILVER postfilter
RO-0220-22	XENA10.1 direct flow reverse osmosis

Reverse osmosis that offers flow rates for medium consumption hospitality:

- 80-90 L/h
- 2 x 300 GPD membranes
- Antibacterial NANOSILVER ost-filter
- 3/8" tubing

XENA 20.1

XENA 20.1

REVERSE OSMOSIS
DIRECT FLOW
HIGH CAPACITY
WATER PRODUCTION

Stages:

- Filtration 5 µm
- GAC carbon
- Carbon Block
- 300 GPD 2 membranes
- 2 membranes
- Granular carbon Post-filter



High water production capacity
Thanks to its two 300 GDP membranes, its HF-45LN booster pump and its 3/8" tubing.



No tank
Treats water immediately without the need for storage or additional treatments.



Safety System
It incorporates the WATER STOP anti-leak system and a reducer depression.



European Certificate of Conformity

DOMESTIC REVERSE OSMOSIS DIRECT FLOW

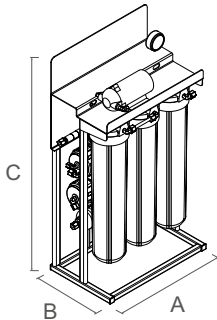
Direct flow reverse osmosis with high pure water production capacity

Water flow: 80 – 90 L/h*

No accumulation tank required.

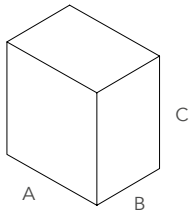
This system includes highly reliable safety equipment such as the WATER STOP leak detector and a pressure reducer.

*Flow rate may vary depending on water pressure, temperature and salinity.



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
RO-0220-23	460	275	845	26,30	27,30



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Cont. 20'	Cont. 40'
RO-0220-23	480	310	890	8	200	400

- 100% coconut shell activated carbon
- High water flow: 3/8" tubing
- 2 Membranes 300 GPD 24x12
- 12" In line post-filter granular carbon
- Installation kit
- 3/8" pressure reducer
- WATER STOP 3/8" leak detector: precise and proven leak detection system that cuts off the water supply even with small leaks. Low installation cost and no electrical installation required.
- Working pressure: 1 to 3 Bar
- Inlet temperature: 5 to 35 °C
- TDS Maximum input : 1.000 ppm
- Power supply: 220 – 36VDC
- Booster pump HF-45LN



3/8" Water Stop



3/8" pressure reducer

CODE	MODEL
CA-1204-02	20" PP Sediments 5µm cartridge
CA-0606-10	20" GAC" carbon cartridge
CA-0604-04	20" carbon block cartridge
ME-2712-03	300 GPD Membrane 24 x12
ME-2712-03	300 GPD Membrane 24 x12 e
CA-9006-04	12" In line post-filter granular carbon
RO-0220-23	XENA 20.1 Direct Flow Reverse Osmosis



HOS SERIES

OSMOSIS FOR HOSPITALITY

The HOS series osmosis system is a device designed for the production of low salinity water at constant pressure for use in hospitality applications that do not require a significant daily volume of water.

The production of the HOS series osmosis system is 50 L/h**.

REQUIREMENTS

- Power supply: 220 – 240 VAC – 50 Hz
- Supply pressure: 1 – 3 Bar
- Design temperature: 20 °C
- TDS Maximum input : 1.000 ppm

MAIN COMPONENTS

- 10" sediment cartridge
- 10" GAC Carbon Cartridge
- 10" CTO Carbon Cartridge
- Minimum pressure switch
- Maximum pressure switch
- HF-50LN pressure pump
- Inlet pressure gauge
- 2 Reverse osmosis membranes 23x12 with high salt rejection of 200GPD
- NANOSILVER antibacterial in line cartridge
- Flow Restrictor 1200 cc
- 40 L accumulation tank
- Horizontal stainless steel centrifugal pump of 0.55 kW for accumulated osmosis water of 1.500 L/h at 3 Bar.
- Electronic pressure controller



CODE	MODEL	PRODUCTION* (L / h)	MEMBRANE	TYPE OF PUMP	CONVER- SION* (%)	DIMENSIONS (mm)		
						BROAD	DEPTH	HIGH
RO-0410-02	RO-HOS400	50	2x23x12	HF-50LN	40	488	488	838

* Production and conversion may vary depending on several parameters such as water pressure, temperature and salinity.
** The peak flow rate of the osmosis water is that of the 0.55 kW pump.

RO HORECA 2800

REVERSE OSMOSIS DIRECT FLOW HIGH CAPACITY

Direct flow osmosis system designed for the production of osmosis water with adjustable low salinity.

Use in hospitality applications.

The output of the 2800 series osmosis system is 200 L/h.

REQUIREMENTS

- Filtered water from the network
- TDS Maximum input : 1.000 ppm
- Maximum entry hardness: 10° F
- Power supply: 220 – 240 VAC – 50 Hz
- Supply pressure: 1 – 4 Bar
- Design temperature: 20°C



CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE (kW)	CONVERSION* (%)	DIMENSIONS (cm)		
						BROAD	DEPTH	HIGH
RO-7004-01	RO HORECA 2800	200	2 (30x12)	Palettes 330	40	35	68	72
CA-0606-06	20" Big Carbon Block Cartridge							
ME-2003-30	800 GPD Membrane							
ME-2003-30	800 GPD Membrane							

* Conversion may vary depending on several parameters such as pressure, temperature and salinity of the inlet water.

High-end reverse osmosis that offers flow rates for high-consumption hospitality:

- Up to 200 L/h
- 2 x 800GPD membranes
- Pre-filtro Big Carbon Block

MAIN COMPONENTS

- Programmer with 2-line LCD display
- 2 membranes 30x12 of high flow 800 GPD
- 4 Gallon Hydropneumatic tank
- Conductivity sensor in the permeate line
- Adjustable mixing system
- Automatic flushing system
- 24v stainless steel solenoid valves
- Water cooled vane pump
- Pump pressure gauge
- Permeate pressure gauge
- Electronic anti-leak system
- Alarms for internal leaks, lack of water supply, high conductivity and maximum equipment operating time
- John Guest internal fittings
- Outer box in satin 304 stainless steel with wheels



PRF-RO

DIRECT FLOW REVERSE OSMOSIS HIGH CAPACITY WATER PRODUCTION

Direct flow reverse osmosis with high performance in the production of pure water.

Direct production of water without the need for storage in a tank

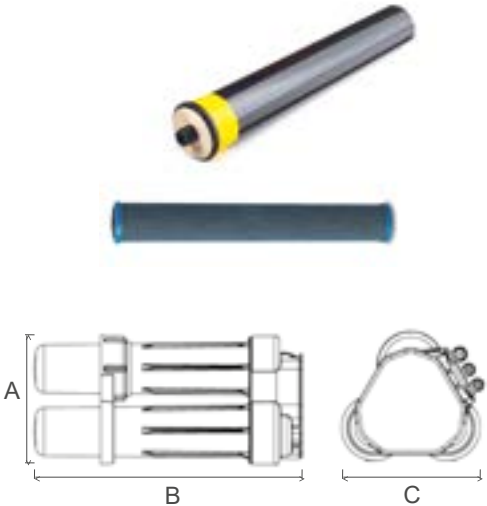
High production capacity: 78 L/h* (average flow rate calculated at a pressure of 3.5 Bar, 25°C temperature and 750 mg/L TDS)

It works without a pump or electricity, at mains pressure: 2.76 bar.

- Stages: Activated carbon, 2 membranes and carbon postfilter.
- 2 highly efficient 350 GDP membranes.
- High recovery system
- Compact profile and elegant design.
- High flow faucet (with air gap), customized for this system.
- Working pressure: 2.8 to 5.52 Bar
- Inlet temperature: 4 to 38°C
- TDS Maximum input : 2.000 ppm
- 1/2" connection kit is not supplied with the equipment

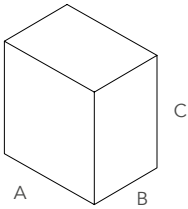
APPLICATIONS

- Steam generators
- Coffee makers
- Photographic laboratories
- Water coolers
- Commercial offices
- Restaurants
- Humidifiers
- Aquariums
- Pubs



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
RO-0222-04	245	515	280



PACKAGING MEASUREMENTS

CODE	DIMENSIONS (mm)		
	A	B	C
RO-0222-04	600	340	350

CODE	MODEL
OI-0222-02	PRF-RO Prefilter
OI-0222-03	PRF-RO Postfilter
ME-0222-02	350 GPD PRF-RO Membrane
ME-0222-02	350 GPD PRF-RO Membrane
RO-0222-04	PRF-RO reverse osmosis



Easy and sustainable home ultrafiltration:

- It does not require drainage because it does not generate reject water.
- No tank required
- Solution to obtain good water without taking up space at a good price.

NELVA



Nanosilver Technology
This technology eliminates 99.9% of bacteria.



No water rejection
No connection to the drain is required.



Easy installation and maintenance
Equipped with cartridges QC3 bayonet attachments that facilitate installation and maintenance.



Safety System
It incorporates the WATER STOP anti-leak system and reducer depression.



European Certificate of Conformity

DOMESTIC SYSTEM OF ULTRAFILTRATION

Ultrafiltration system that provides water free of suspended particles, odors, flavors and bacteria.

Equipped with innovative QC3 bayonet cartridges that facilitate and minimize installation and maintenance. Antibacterial treatment with NANOSILVER technology.

No water rejection, no drain connection required.

The equipment includes highly reliable safety equipment such as the WATER STOP anti-leak system and a pressure reducer.

NELVA
DOMESTIC
ULTRAFILTRATION SYSTEM

Stages:

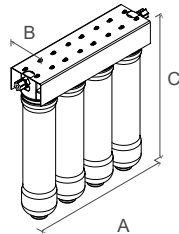
- Antibacterial sediments
- Carbon Block
- Ultrafiltration Membrane Carbon GAC,
- Carbon Antibacteria NANOSILVER



Water Stop 1/4"

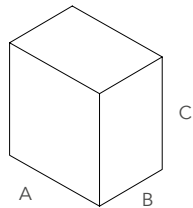


1/4" pressure regulator



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
UF-0206-12	345	81	320	3,00	3,80



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Contents 20'	Contents 40'
UF-0206-12	380	125	335	108	1860	3720



QC3 bayonet cartridges



- QC3 bayonet cartridges for easy installation and maintenance
- 100% coconut shell activated carbon
- Without accumulation tank
- Includes Margarita faucet
- Installation kit
- 3/8" pressure reducer
- WATER STOP 3/8" leak detector: precise and proven leak detection system that cuts off the water supply even with small leaks. Low installation cost and no electrical installation required.
- Average pore size: 0.01 to 0.1 µm
- Maximum working pressure: 4 Bar
- Recommended pressure 2.5 Bar
- Inlet temperature: 4 to 40 °C

CODE	MODEL
CA-0218-03	QC3 PP antibacterial 5µm Cartridge
CA-0218-05	QC3 CTO carbon cartridge
ME-0218-04	Encapsulated ultrafiltration membrane
CA-0218-06	CTO NANOSILVER antibacterial carbon cartridge
CA-7012-02	QC3 Antibacterial Cartridge Kit
UF-0206-12	NELVA Ultrafiltration

Domestic ultrafiltration compact solution:

- It does not require drainage because it does not generate reject water.
- No tank required
- Convenient, compact piece of furniture that does not get in the way under the sink.



Nanosilver Technology
This technology eliminates 99.9% of bacteria.



No water rejection
No connection to the drain is required.



Easy installation and maintenance
Equipped with cartridges QC3 bayonet attachments that facilitate the installation and the maintenance.



Safety System
It incorporates the WATER STOP anti-leak system and reducer depression.



European Certificate of Conformity

COMPACT
ULTRAFILTRATION SYSTEM

Compact ultrafiltration system that provides water free of suspended particles, odors, flavors and bacteria.

Ultrafiltration equipped with innovative QC3 bayonet cartridges that facilitate and minimize installation and maintenance.

Antibacterial treatment with NANOSILVER technology.

No water rejection, no drain connection required.

The equipment includes highly reliable safety equipment such as the WATER STOP anti-leak system and a pressure reducer.

ATHENA
DOMESTIC SYSTEM
ULTRAFILTRATION
COMPACT

Stages:

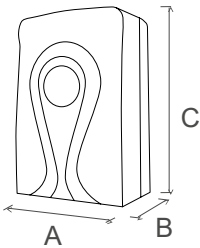
- Antibacterial sediments
- Carbon block
- Ultrafiltration membrane
- NANOSILVER antibacterial carbon cartridge.



Water Stop 3/8"

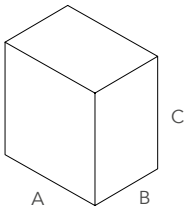


3/8" pressure reducer



SYSTEM MEASURES

CODE	DIMENSIONS (mm)			WEIGHT (Kg)	
	A	B	C	Net	Gross
UF-0216-14	300	190	415	3,80	5,60



PACKAGING AND TRANSPORTATION

CODE	DIMENSIONS (mm)			LOGISTICS (units)		
	A	B	C	Pallet	Contents 20'	Contents 40'
UF-0216-14	350	210	440	60	900	1800



QC3 bayonet cartridges



- QC3 bayonet cartridges for easy installation and maintenance
- 100% coconut shell activated carbon
- Without accumulation tank
- Includes New Look faucet
- Installation kit
- 3/8" pressure reducer
- WATER STOP 3/8" leak detector: accurate and proven Leak detection system that cuts off the water supply even with small leaks.
- Average pore size: 0.01 to 0.1 µm
- Maximum working pressure: 4 Bar
- Recommended pressure 2.5 Bar
- Inlet temperature: 4 to 40 °C

CODE	MODEL
CA-0218-03	QC3 PP 5µm antibacterial Cartridge
CA-0218-05	QC3 CTO carbon cartridge
ME-0218-04	Encapsulated ultrafiltration membrane
CA-0218-06	CTO NANOSILVER antibacterial carbon cartridge
CA-7012-02	QC3 Antibacterial Cartridge Kit
UF-0216-14	ATHENEA ULTRAFILTRATION

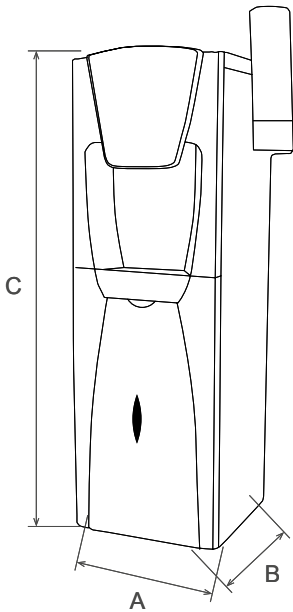
CP2200

Cooling WATER DISPENSER that supplies hot and cold water and incorporates water treatment equipment through filtration, ultrafiltration or reverse osmosis, depending on the model.

- It incorporates a NANOSILVER cartridge in the last stage
- Water tank that prevents bacteria infection.
- Includes cup dispenser.
- Adjustable legs
- Easy accessibility for maintenance
- Low Noise Compressor
- Cold water tank capacity: 8 liters
- Hot water tank capacity: 3 liters
- Power:
 - Cold water: 115 W / Hot water: 600 W
- Temperature:
 - Cold water: 4 -10 °C / Hot water: 85°C
- Working pressure:
 - Minimum: 2.5 Bar (without pump) / 1 Bar (with pump)
 - Maximum: 4 Bar (without pump) / 3 Bar (with pump)
- Refrigerant: R-134a
- Voltage: 220 – 240 V



Innovative bayonet cartridges that facilitate and minimize installation and maintenance.



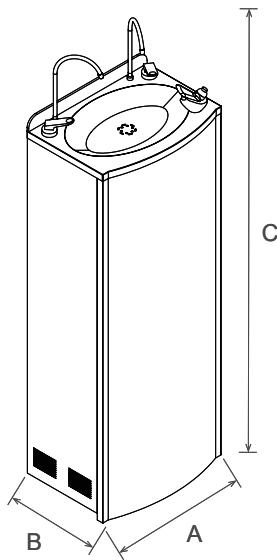
SYSTEM MEASURES			
CODE	DIMENSIONS (mm)		
	A	B	C
CP2200	375	360	1110

CODE	MODEL	STAGE
SOURCE CP2200		
FU-0403-06	WATER DISPENSER with leak	-
FU-0403-08	WATER DISPENSER with ultrafiltration	-
FU-0403-02	WATER DISPENSER with reverse osmosis	-
FU-0403-04	WATER DISPENSER with reverse osmosis and pump	-
SPARE PARTS FOR FILTRATION		
CA-0218-02	QC3 sediment cartridge	1st
CA-0218-04	QC3 GAC cartridge	2nd
CA-0218-06	QC3 CTO NANOSILVER cartridge	3rd
SPARE PARTS FOR ULTRAFILTRATION		
CA-0218-03	QC3 antibacterial sediment cartridge.	1st
CA-0218-05	QC3 CTO cartridge	2nd
ME-0218-04	Ultrafiltration membrane	3rd
CA-0218-06	QC3 CTO NANOSILVER cartridge	4th
SPARE PARTS FOR REVERSE OSMOSIS		
CA-0218-02	QC3 sediment cartridge	1st
CA-0218-04	QC3 GAC cartridge	2nd
ME-0218-03	75 GPD Membrane encapsulated	3rd
CA-0218-06	QC3 CTO NANOSILVER cartridge	4th

RO STAINLESS STEEL

Cooling WATER DISPENSER that supplies cold, natural water and incorporates reverse osmosis water treatment equipment.

- It includes a NANOSILVER cartridge in the last stage.
- Stainless steel structure
- Easy accessibility for maintenance
- Low Noise Compressor
- 1/4" tube inlet included
- Drain pipe 15mm included (height 100 cm)
- Storage capacity: 12 - 16 liters
- Cold water tank capacity: 2.5 liters
- Power:
 - Cold water: 180 W
- Temperature:
 - Cold water: 4 -10 °C
- Working pressure:
 - Minimum: 2.5 Bar (without pump) / 1 Bar (with pump)
- Refrigerant: R-134a
- Voltage: 220 – 240 V



SYSTEM MEASURES			
CODE	DIMENSIONS (mm)		
	A	B	C
INOX	365	305	1170

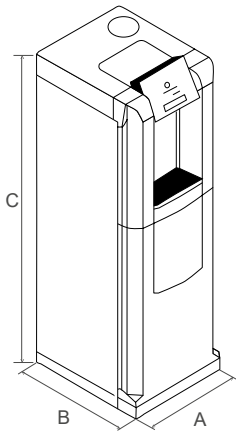
CODE	MODEL	STAGE
STAINLESS STEEL WATER DISPENSER		
FU-0218-02N	WATER DISPENSER with reverse osmosis and pump	-
REVERSE OSMOSIS SPARE PARTS		
CA-9006-12	12" Sediments CLP3 cartridge	1st
CA-9006-14	12" In line GAC CLP3 cartridge	2nd
CA-9006-15	12" In line CTO CLP3 cartridge	3rd
ME-2003-03	75 GPD Membrane	4th
CA-9006-18	Antibacterial NANOSILVER CLP3 Post-filter	5th

HYDRAZON

STANDING WATER DISPENSER

Having a high-quality water source in the office is not a matter of convenience, but of hydration and well-being. Hydrazon's design and performance are the answer.

- Supplies cold and ambient water.
- Intelligent design to accommodate filtration or reverse osmosis as desired.
- Tray full alert with an LED
- Dispensing area: high and illuminated 28 cm for refilling bottles.
- Dashboard with LED light
- Use of all-natural gas for refrigeration, R600a gas.
- Cooling technology: BDC.
- Power: 180 W - 1A
- Cold water temperature: 5 -12 °C
- Working pressure:
 - Minimum: 2.5 Bar (without pump)
 - 1 Bar (with pump)
- Voltage: 230V – 50 Hz



SYSTEM MEASURES

CODE	DIMENSIONS (mm)		
	A	B	C
Hydrazon	351	416	1120

CODE	MODEL
HYDRAZON 15 COOLING WATER DISPENSER	
FU-7000-01	Hydrazon 15 Cooling WATER DISPENSER
FU-7000-06	Hydrazon 15 Filtration QC Sediments
FU-7000-08	Hydrazon 15 Reverse osmosis 75 GPD
FU-7000-09	Hydrazon 15 Reverse Osmosis 75 GPD + pump
SPARE PARTS FOR FILTRATION WATER DISPENSER	
CA-0218-02	QC3 sediment cartridge
CA-0218-06	QC3 CTO NANOSILVER cartridge
REVERSE OSMOSIS WATER DISPENSER SPARE PARTS	
CA-0218-02	QC3 sediment cartridge
CA-0218-04	QC3 GAC cartridge
CA-0218-06	QC3 CTO NANOSILVER cartridge
ME-0218-03	75 GPD encapsulated membrane
OI-0205-18	CTO Antibacterial NANOSILVER post-filter

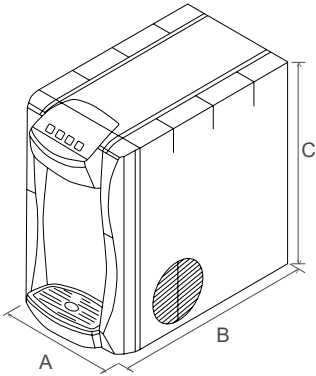
PICCOLA

WATER DISPENSER FOR COUNTER

Modern, compact, illuminated water outlet, with countless advantages. "Piccola" is the perfect cooling source for home and office.

Attractive and incredibly compact, the Piccola WATER DISPENSER stands out for its versatility.

- Cooling capacity: 15 L/h
- Cold water temperature: 5 -12 °C
- Cooling technology: BDC.
- Cold water coil: AISI 316 Stainless Steel
- Forced ventilation cooling
- Adjustable thermostat.
- Refrigerant Gas HC R600a
- Power: 190 W - 1.05A
- Ambient temperature: 5-35°C
- Power supply: 230V – 50Hz



PICCOLA BOX

WATER COOLER UNDER SINK

Add BOX system under the sink to obtain cold water.



SYSTEM MEASURES

REFERENCE	DIMENSIONS (mm)		
	A	B	C
Piccola	240	451	425
Piccola White	240	451	425
Piccola Box	240	400	419

CODE	MODEL
FU-7002-01	Piccola 15 Cooling Dish
FU-7002-04	Piccola 15 White
FU-7002-20	Piccola Box 15



Innovative bayonet cartridges that facilitate and minimize installation and maintenance.



QC-FILTER SIMPLE & DUO

SIMPLE

Filtration equipment with QC3 antibacterial carbon block cartridge made from 100% coconut shell with NANOSILVER technology, with a high capacity to eliminate bacteria, chlorine, odors and flavors.

DUO

Duo filtration equipment with 5 µm QC3 sediment cartridge built with antibacterial polypropylene fibers and 100% coconut shell antibacterial carbon block QC3 cartridge with NANOSILVER technology for the elimination of suspended solids, bacteria, chlorine, odors and flavors.

The **two** include:

- Installation kit
- Margarita faucet
- Sistema antifugas WATER STOP

SPECS

- Connection: 3/8" T
- Maximum temperature 38 °C
- Working pressure: 2.5 – 4 Bar

CODE	DIMENSIONS (mm)		
	A	B	C
FI-0228-02	345	81	125
FI-0230-02	345	81	205

CODE	MODEL
SIMPLE	
FI-0228-02	QC-FILTER SIMPLE
CA-0218-06	CTO NANOSILVER antibacterial carbon cartridge
DUO	
FI-0230-02	QC-FILTER DUO
CA-0218-03	Antibacterial sediment cartridge PP 5 µ m
CA-0218-06	CTO NANOSILVER antibacterial carbon cartridge

PURIFIER FILTER

Filtration equipment with activated carbon cartridge for the production of water without odors or flavors, free of particles

Possibility of using any type of cartridge of 9 7/8" - 10" length and 63mm - 69 mm diameter.

Depending on the cartridge used, the system can eliminate turbidity, suspended particles, chlorine, tastes and odors...

- Easy installation and maintenance
- Maximum working temperature: 50°C
- Does not include cartridge

CODE	MODEL
FI-0206-01	Over-the-sink purifier filter
FI-0206-04	Under sink purifier filter
CA-0605-03	9 7/8" Carbon block Ø69mm Cartridge
CA-0603-03	9 7/8" Carbon block Ø69mm antibacterial Cartridge
CA-0604-12	GAC+KDF carbon cartridge



SHOWER FILTER

Water purifier for showers that removes chlorine and other chlorinated substances.

- Patented KDF-55 technology
- GAC and KDF carbon cartridge
- Working pressure: 1.4 - 5.6 Bar
- Diameter 7.7mm
- Working temperature: 5 -38°C
- Height 13.1mm



CODE	MODEL
FI-0206-09	Shower Filter
CA-0206-08	KDF and GAC cartridge

CARTRIDGE KITS

ALBA CARTRIDGE KIT

CODE	MODEL		UNIT/BOX
CA-7001-02	ALBA 3 cartridge replacement kit		10
	CA-1203-06	1 Sediment cartridge	
	CA-0604-08	1 GAC carbon cartridge	
	CA-0608-07	1 Carbon Block Cartridge	
CA-7001-03	Replacement kit 3 ALBA cartridges + ALBA postfilter		10
	CA-1203-06	1 Sediment cartridge	
	CA-0604-08	1 GAC carbon cartridge	
	CA-0608-07	1 Carbon Block Cartridge	
	OI-0207-17	1 Post-filter carbon GAC	

GENERIC CARTRIDGE KIT

CODE	MODEL	UNIT/BOX
CA-7001-04	Generic replacement kit cartridge + QF post-filter quick connection	
	CA-1203-06	1 Sediment cartridge
	CA-0604-08	1 GAC carbon cartridge
	CA-0608-07	1 Carbon Block Cartridge
	OI-0204-17	1 Post-filter carbon GAC 
CA-7001-05	Generic replacement kit cartridge + Post-filter + Membrane	
	CA-1203-06	1 Sediment cartridge
	CA-0604-08	1 GAC carbon cartridge
	CA-0608-07	1 Carbon Block Cartridge
	ME-2002-02	1 50 GPD Membrane 
	OI-0207-17	1 Post-filter carbon GAC

NEREO CARTRIDGE KIT

CODE	MODEL		UNIT/BOX
CA-7003-02	NEREO 3 replacement kit cartridge		10
	CA-1203-02	1 Sediment cartridge	
	CA-0604-08	1 GAC carbon cartridge	
	CA-0608-03	1 Carbon Block Cartridge	
CA-7003-03	NEREO 4 replacement kit cartridge		10
	CA-1203-02	1 Sediment cartridge	
	CA-0604-08	1 GAC carbon cartridge	
	CA-0608-03	1 Carbon Block Cartridge	
	OI-0205-20	1 Antibacterial in line post-filter	



Ø69 mm CARTRIDGES KIT

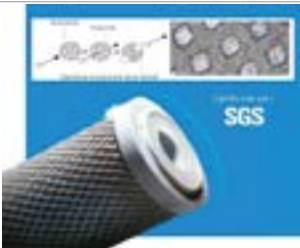
CODE	MODEL	UNIT/BOX
Replacement kit 3 cartridges Ø69mm		
CA-7008-02	CA-1205-02	1 Antibacterial sediment cartridge
	CA-0605-03	2 Carbon Block Cartridges

Ø69 mm ANTIBACTERIA TIBER PLUS CARTRIDGES KIT

CODE	MODEL		UD./BOX
CA-7006-02	Replacement kit 4 cartridges TIBER PLUS antibacterial		12
	CA-1205-02	1 Antibacterial sediment cartridge	
	CA-0605-03	1 Carbon block cartridges	
	CA-0603-03	1 Carbon block Antibacteria NANOSILVER	
	OI-0205-18	1 NANOSILVER antibacterial carbon post-filter	

Nanosilver technology

NANOSILVER technology is based on silver nanoparticles impregnated in the filter material of the CTO cartridges which, in addition to preventing the proliferation and growth of bacteria, eliminates existing bacteria.



IN LINE CARTRIDGE REPLACEMENT KIT

CODE		MODEL	PCS/BOX
CA-7009-02	In line cartridge replacement kit		10
	CA-9006-02	1 Sediments 5µm cartridge	
	CA-9006-04	2 GAC carbon cartridge	

CLP CARTRIDGE KIT - Equivalent to those found in other equipment

CODE		MODEL	PCS/BOX
CA-7010-04	Kit CLP cartridges		10
	CA-9008-02	1 PP sediment cartridge	
	CA-9008-04	2 GAC carbon cartridges	
OI-0234-32	CLP connection fitting kit cartridge		1

CARTRIDGE KITS

QC1 CARTRIDGE KIT

CODE	MODEL	UD./BOX
CA-7014-12	QC1 Cartridge Kit	10
CA-0222-02	1 QC1 PP sediments cartridge 5µm	
CA-0222-04	1 QC1 GAC granular carbon cartridge	
CA-0222-05	1 QC1 CTO carbon block cartridge	



QC1 SERIE

- Quick connection
- Useful life: 9,450 liters
- Working temperature: 5° to 38°C
- Maximum flow rate: 3.78 Lpm
- Maximum pressure: 8.75 Bar

CODE	MODEL	UD./BOX
CA-0222-02	QC1 PP Sediments 5 µm cartridge	25
CA-0222-04	QC1 GAC Granular carbon	25
CA-0222-05	QC1 Carbon Block CTO cartridge	25
OI-0235-04	QC1 cartridge head	1

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.

QC3 CARTRIDGE KIT

CODE	MODEL	UD./BOX
CA-7014-02	QC3 Cartridge Kit	10
CA-0218-02	1 QC3 PP sediment cartridge	
CA-0218-04	1 QC3 GAC carbon cartridge	
CA-0218-05	1 QC3 carbon block cartridge	



QC2 SERIE

- Quick connection
- Useful life: 9,450 liters
- Working temperature: 5° to 38°C
- Maximum flow rate: 3.78 Lpm
- Maximum pressure: 8.75 Bar
- Equivalent to those that can be find on other computers

CODE	MODEL	PCS/BOX
CA-0220-02	QC2 PP Sediments 5µm cartridge	25
CA-0220-04	QC2 GAC granular carbon cartridge	25
OI-0236-02	QC2 cartridge head	1

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.

QC3 ANTIBACTERIAL CARTRIDGE KIT

CODE	MODEL	UD./BOX
CA-7012-02	QC3 Antibacterial Cartridge Kit	10
CA-0218-03	1 QC3 PP antibacterial sediment cartridge	
CA-0218-05	1 QC3 carbon block cartridge	
CA-0218-06	1 QC3 Cartridge Carbon block antibact. NANOSILVER	



QC3 SERIE

- Quick connection
- Useful life: 9,450 liters
- Working temperature: 5° to 38°C
- Maximum flow rate: 3.78 Lpm
- Maximum pressure: 8.75 Bar

CODE	MODEL	PCS/BOX
CA-0218-02	QC3 PP Sediments 5 µm	25
CA-0218-03	QC3 PP Sediments 5 µm Antibacterial	25
CA-0218-04	QC3 GAC Granular carbon	25
CA-0218-05	QC3 CTO Carbon Block	25
CA-0218-06	QC3 CTO Carbon Block Antibacterial NANOSILVER	25
OI-0235-02	QC3 cartridge head	1

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



REMINERALIZING AND ANTIBACTERIAL POSTFILTER CARTRIDGE MAINTENANCE KIT

CODE	MODEL	PCS/BOX
CA-7006-06	Remineralization and antibacterial postfilter kit	20
OI-0205-43	1 In line post-filter Calcite + KDF + Carbon	
OI-0205-18	1 Post-filter Carbon antibact. NANOSILVER	



IN-LINE CARTRIDGES

KT SERIE

- 1/4" female thread connection
 - Length: 12"
 - Maximum flow rate: 3.78 Lpm
 - Maximum temperature: 38°C
- Diameter: 2 ½ "
 - Lifespan: 9,450 liters*
 - Maximum pressure: 8.75 Bar

CODE	MODEL	UNIT/BOX
CA-9006-02	PP sediments 5µm cartridge	25
CA-9006-04	GAC granular carbon cartridge	25
CA-9006-05	CTO carbon block cartridge	25
CA-9006-06	CTO carbon block NANOSILVER antibacterial cartridge	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



LK-QF SERIE

- 1/4" T female quick connection
 - Length: 12"
 - Maximum flow rate: 3.78 Lpm
 - Maximum temperature: 38°C
- Diameter: 2 ½ "
 - Lifespan: 9,450 liters*
 - Maximum pressure: 8.75 Bar

CODE	MODEL	UNIT/BOX
CA-9010-02	PP sediments 5µm cartridge	25
CA-9010-04	GAC granular carbon cartridge	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



ST SERIE

- 1/4" female thread connection
 - Length: 10"
 - Maximum flow rate: 2.84 Lpm
 - Maximum temperature: 38°C
- Diameter: 2"
 - Lifespan: 5,670 liters*
 - Maximum pressure: 8.75 Bar

CODE	MODEL	UNIT/BOX
OI-0205-16	PP sediment 5µm post-filter	25
OI-0207-17	GAC Granular carbon post-filter	25
OI-0205-20	GAC Carbon granular antibacterial post-filter	25
OI-0205-18	CTO Carbon block CTO antibact. Nanosilver post-filter	25
OI-0205-43	Remineralizing Calcite + KDF + carbon post-filter	25
OI-0205-45	Remineralizing plus post-filter	25
OI-0205-32	Alkaline post-filter	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



ST-QF SERIE

- 1/4" T female quick connection
 - Length: 10"
 - Maximum flow rate: 2.84 Lpm
 - Maximum temperature: 38°C
- Diameter: 2"
 - Lifespan: 5,670 liters*
 - Maximum pressure: 8.75 Bar

CODE	MODEL	UNIT/BOX
OI-0204-16	PP Sediments 5 µm	25
OI-0204-17	GAC Granular carbon	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



CLP SERIE

- Quick connection 3/8" spigot
 - Length: 12"
 - Maximum flow rate: 3.78 Lpm
 - Maximum temperature: 38°C
- Diameter: 2 ½ "
 - Lifespan: 9.450 liters*
 - Maximum pressure: 8.75 Bar
 - **Equivalent to those of other teams**

CODE	MODEL	UNIT/BOX
CA-9008-02	PP Sediments 5 µm	25
CA-9008-04	GAC Granular carbon	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



CLP2 SERIE

- Quick connection 5/16" spigot
 - Length: 12"
 - Maximum flow rate: 3.78 Lpm
 - Maximum temperature: 38°C
- Diameter: 2 ½ "
 - Lifespan: 9.450 litres*
 - Maximum pressure: 8.75 Bar
 - **Equivalent to those of other teams**

CODE	MODEL	UNIT/BOX
CA-9009-02	PP Sediments 5 µm	25
CA-9009-04	GAC Granular carbon	25

*The useful life of the filters may vary depending on the quality of the feed water, the use made of it and the amount of impurities it contains.



CLP3 SERIE

- Quick connection 1/4" spigot
 - Length: 12"
 - Maximum flow rate: 3.78 Lpm
 - Maximum temperature: 38°C
- Diameter: 2 ½ "
 - Lifespan: 9.450 liters*
 - Maximum pressure: 8.75 Bar
 - **Equivalent to those of other teams**

CODE	MODEL	UNIT/BOX
CA-9006-12	12" sediment cartridge	25
CA-9006-14	12" GAC in line cartridge	25
CA-9006-15	12" CTO In line cartridge	25
CA-9006-18	Antibacterial NANOSILVER post-filter	25

EMPTY SERIE

- 1/4" female thread connection

CODE	MODEL	Ø	LENGTH	UNIT/BOX
OI-0205-00	Empty ST cartridge	2"	10"	25
CA-9006-00	Empty KT cartridge	2 1/2"	12"	25





HD | 50 REVITALIZING POSTFILTER

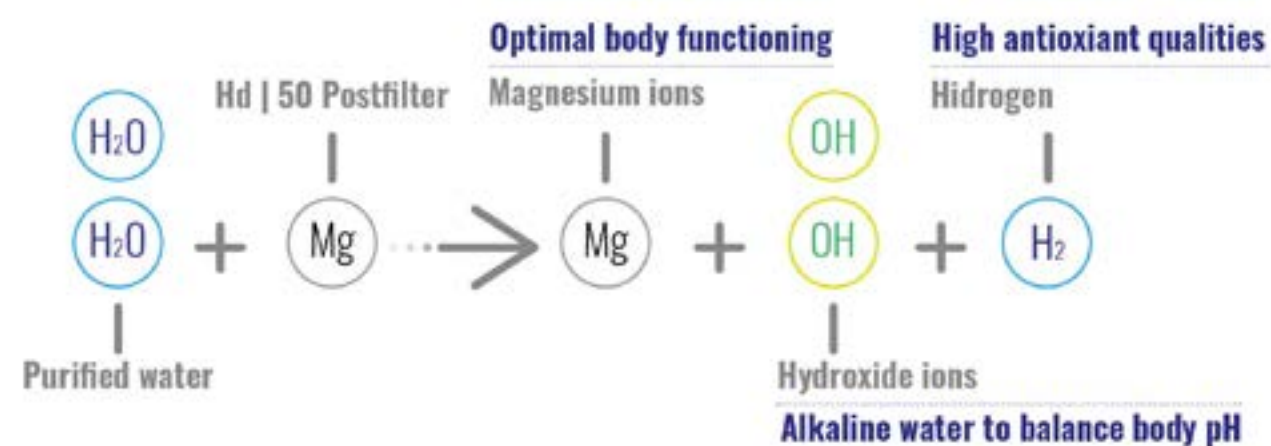
Thanks to the revolutionary revitalizing post-filter Hd I 50, a **Alkaline water, perfect for balancing our body pH**. More health and well-being for our daily lives:

- The Hd I 50 post-filter is obtained from the purest magnesium minerals and through sophisticated extraction techniques.
- Through Hd I 50, essential minerals such as **magnesium**, essential for the proper functioning of the nervous and muscular systems.
- Effect **antioxidant** thanks to hydrogen molecules, protecting cells from free radicals responsible for some diseases as well as cellular aging.
- Alkaline water is obtained by helping **maintain the body's pH** properly balanced and thus providing health and well-being.

Add another stage to your reverse osmosis system to improve the quality, smell and taste of your water. The Hdl50 postfilter is the latest advance in applied science for water treatment and opens a new window to the future.

- **Connection:** 1/4" female thread
- **Shelf life :** 4000 L
- **Maximum flow rate :** 2.8 Lpm
- **Maximum pressure :** 8.62 Bar
- **Maximum temperature :** 42°C
- **Diameter :** 2"
- **Length :** 10"

CODE	MODEL
OI-0205-24	Hdl50 Revitalizing Post-Filter





POLYPROPYLENE CARTRIDGES

MELT BLOWN POLYPROPYLENE

- Filter media: melt blown polypropylene
- Compatible with a wide range of chemicals
- Disposable
- Diameter 63mm
- Maximum working temperature: 65°C

CODE	MODEL	FILTRATION	FLOW (L/h)	PCS/BOX
CA-1202-01	9 7/8" Compact	1 µm	800	50
CA-1203-02	9 7/8" Compact	5 µm	800	50
CA-1204-01	20" Compact	1 µm	1400	25
CA-1204-02	20" Compact	5 µm	1400	25

Ø 69 mm MELT BLOWN POLYPROPYLENE

- Filter media: melt blown polypropylene
- High holding capacity: diameter 69mm
- Compatible with a wide range of chemicals
- Disposable
- Maximum working temperature: 65°C

CODE	MODEL	FILTRATION	FLOW (L/h)	PCS/BOX
CA-1201-02	Sediment cartridge Ø69mm 9 7/8"	5 µm	800	50

Ø69 mm ANTIBACTERIAL MELT BLOWN POLYPROPYLENE

- Filter media: melt blown polypropylene antibacterial fiber
- High holding capacity: diameter 69mm
- Compatible with a wide range of chemicals
- Disposable
- Maximum working temperature: 65°C

CODE	MODEL	FILTRATION	FLOW (L/h)	PCS/BOX
CA-1205-02	Sediment cartridge Ø 69mm Antibacteria 9 7/8"	5 µm	800	50



CARBON CARTRIDGES

GAC

- Filter media: granular activated carbon (GAC)
- Maximum pressure: 6 Bar
- 10" Max. flow: 3,67 Lpm
- Diameter Ø63mm
- Working temperature: 5° to 65°C
- 20" Max. flow: 8 Lpm

CODE	MODEL	FILTRATION	FLOW (Lpm)	PCS/BOX
CA-0604-08	Granular activated carbon (GAC) 10"	-	3,67	25
CA-0606-10	Granular Activated Carbon (GAC) 20"	-	8	20

BLOCK

- Filter media: CTO carbon block
- Diameter Ø 63mm
- Working temperature: 5° to 65°C
- Max. flow 20": 8 Lpm
- 5 micron filtration
- Maximum pressure: 6 Bar
- Maximum flow rate 9 7/8" : 3.67 Lpm

CODE	MODEL	FILTRATION	FLOW (Lpm)	PCS/BOX
CA-0608-03	CTO 9 carbon 7/8"	5 µm	3,67	25
CA-0604-04	CTO 20" carbon	5 µm	8	20

Ø 69 mm CARBON BLOCK

- Filter media: CTO carbon block
- Diameter Ø69mm
- Working temperature: 5° to 65°C
- 5 micron filtration
- Maximum pressure: 6 Bar
- Maximum flow rate 9 7/8" : 3.67 Bpm

CODE	MODEL	FILTRATION	FLOW (Lpm)	PCS/BOX
CA-0605-03	Carbon CTO Ø 69mm 9 7/8"	5 µm	3,67	25

Ø 69 mm BLOCK ANTIBACTERIA

- CTO carbon cartridge with Nanosilver technology
- Prevents the proliferation and growth of bacteria
- Eliminates 99.9% of existing bacteria
- NSF Certified
- Filter media: CTO carbon
- Diameter Ø69mm
- 5 micron filtration
- Maximum pressure: 6 Bar
- Working temperature: 5° to 65°C

CODE	MODEL	FILTRATION	FLOW (Lpm)	PCS/BOX
CA-0603-03	Carbon CTO antibacterial Ø 69mm 9 7/8 "	5 µm	3,67	25
CA-0603-04	Carbon CTO antibacterial Ø69mm 20"	5 µm	8	20

MEMBRANES

CODE	MODEL	PCS/BOX
ME-2002-02	18x12 50 GPD Membrane	25
ME-2003-03	18x12 75 GPD Membrane	25
ME-2003-05	20x12 125 GPD Membrane	25
ME-2003-06	20x12 200 GPD Membrane	25

CODE	MODEL	PCS/BOX
ME-0201-02	18x12 50 GPD FILMTEC Membrane	25
ME-0201-03	18x12 75 GPD FILMTEC Membrane	25

CODE	MODEL	PCS/BOX
ME-2312-02	Membrane 23x12 200 GPD	16
ME-2712-03	Membrane 24x12 300 GPD	16

CODE	MODEL	PCS/BOX
ME-0218-03	Encapsulated Membrane 75 GPD	25

CODE	MODEL	PCS/BOX
ME-0218-04	Encapsulated ultrafiltration membrane	25

CODE	MODEL	PCS/BOX
ME-0222-02	Membrane PRF-RO 350 GPD	1



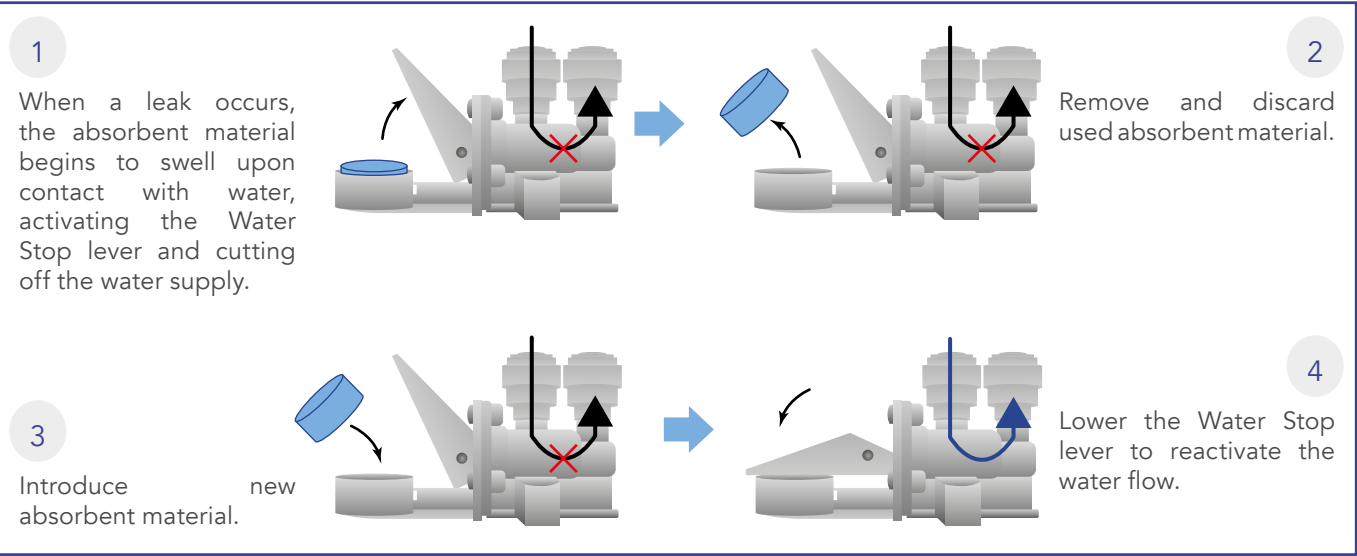
WATER STOP/ WATER STOP PLUS

WATER STOP is a mechanical leak detector, easy to install, which does not require an electrical connection for its operation.

STOP can be used in any 5 or 6 stage reverse osmosis as well as in compact equipment.

WATER STOP PLUS is a leak-proof tray that incorporates the WATER STOP leak detector. The tray has an adjustable filter clamp, allowing it to be used with all 5- and 6-stage osmosis systems on the market.

- Ease of use
- Reliability in leak detection
- Quick and easy change of absorbent material
- Covers a wide detection area thanks to the tray
- Practical design, no need to cut off the water inlet to change the absorbent material.



CODE	MODEL	PCS/BOX
OI-0207-124	Leak detector WATER STOP-QC 1/4"	1
OI-0207-139	Leak detector WATER STOP-QC 3/8"	1
OI-0207-134	Tray WATER STOP PLUS-QC 1/4"	10
OI-0207-133B	Absorbent material	5



BOOSTER PUMPS AND ADAPTERS

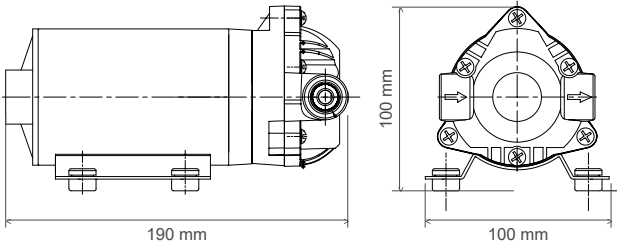
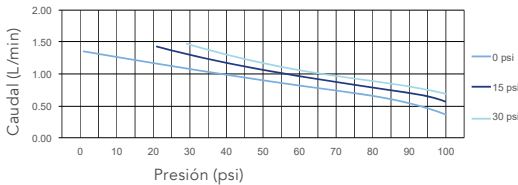
Pressure pumps for osmosis systems that provide an ideal inlet pressure for efficient membrane utilization. These highly efficient pumps provide continuous service and are also effective in recirculation applications.

- Highly resistant diaphragm pumps
- Designed for osmosis as well as other commercial water treatment equipment
- Revolutionary design
- High efficiency, low energy cost
- Longer life with long lasting performance

LF-30LN SERIE

High flow and low energy consumption booster pump.

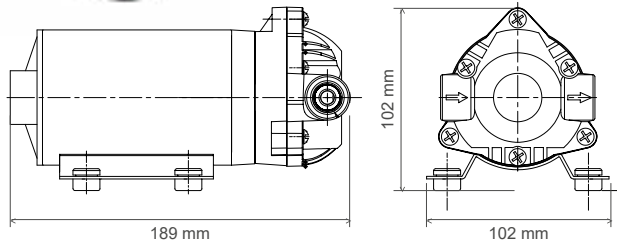
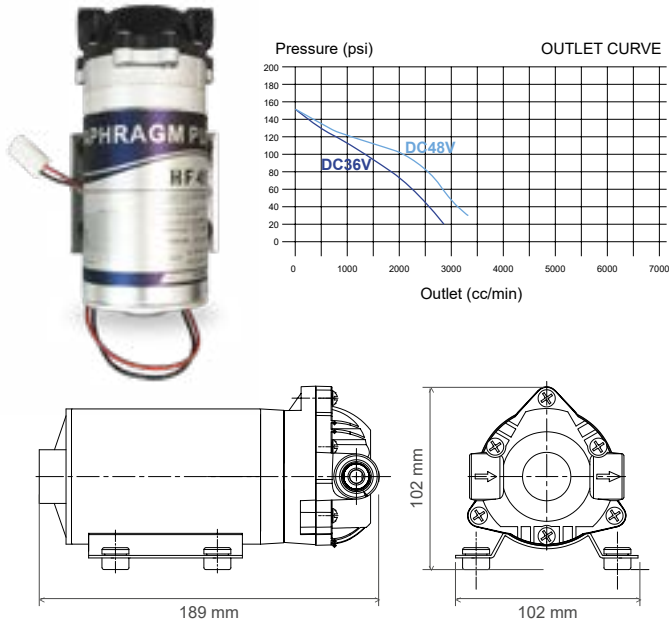
- Electrical connection: DC24V 1.2A
- Maximum working pressure: 9.1 Bar
- Membrane: 50GPD and 75GPD
- Maximum flow rate: 1.8 L/min.



HF-45L SERIE

High flow and low energy consumption booster pump.

- Electrical connection: DC48V 2.3A
- Maximum working pressure: 10.5 Bar
- Membrane: 2x200 GPD
- Maximum flow rate: 3.0 L/min.
- Used in lara direct flow reverse osmosis

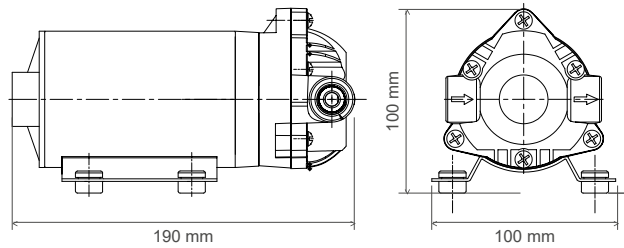
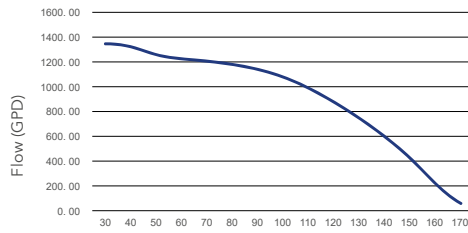


CODE	MODEL
OI-0234-64	HF-45L
OI-0234-68	Adapter 230V-48V 2.3 A

HF-45LN SERIE

High flow and low energy consumption booster pump.

- Electrical connection: DC24V 5A / DC36V 3.61A
- Maximum working pressure: 11.9 Bar
- Membrane: 2x200 / 2x300 GPD
- Maximum flow rate: 3.35 L/min.
- Pump for Xena 10.1 (24V) and Xena 20.1 (36V) direct flow reverse osmosis equipment



CODE	MODEL
OI-0236-14	HF-45LN
OI-0236-20	Adapter 230V-24V 5A
OI-0236-24	Adapter 230V-36V 3.61A

BOOSTER PUMP KIT

The booster pump installation kit includes accessories to provide installation in reverse osmosis systems with an inlet pressure less than 2.5 bar.

- LF-30LN Pump
- Electrical connection 24VDC/1.2A/220V
- Minimum and maximum pressure switches
- Electrical connection cables
- 1 x Te 1/4" T x 1/4" M x 1/4" T
- 2 x Elbow 1/4" T x 3/8" M
- 1/4" Tubing

CODE	MODEL
OI-0236-112	Booster pump kit



1 WAY FAUCETS

1 WAY FAUCETS

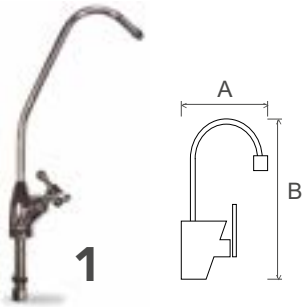
NUMBER	CODE	MODEL	PCS/BOX	A (mm)	B (mm)
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1	OI-0230-24	Margarita Faucet	1	125	230
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2	OI-0207-64	Grifo New Look	1	125	245
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3	OI-0234-70	Rhodia Faucet	1	155	282
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4	OI-0234-71	Lead free Rhodia Faucet	1	155	282
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ACCESSORIES

CODE	MODEL
OI-0208-24	Straight female RO Faucet 3/8" T. Quick connection
OI-0207-89	Straight female Faucet OI 3/8 T brass

3 WAY FAUCETS

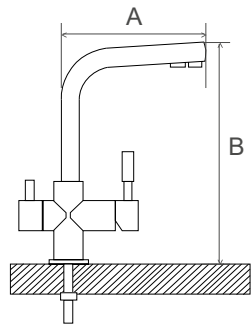
3-way faucets offer hot and cold faucet water and treated osmosis water in a single faucet.

They include two independent mixer faucets, one for hot and cold water and another for treated water, with independent internal conduits to prevent mixing between waters.

3 WAY LEAD FREE SERIES

The Lead Free 3-Way faucet is designed in a rectangular and robust shape. This faucet is especially useful in kitchens where you want have access to multiple sources of water, such as cold water, hot water tea or filtered water, all from the same Faucet.

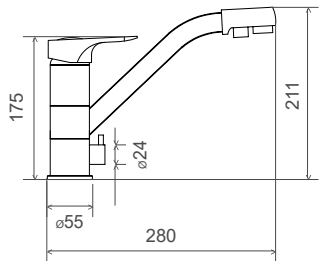
CODE	MODEL	PCS/BOX	A (mm)	B (mm)
OI-0207-142	3-way New Look faucet	1	200	331,5

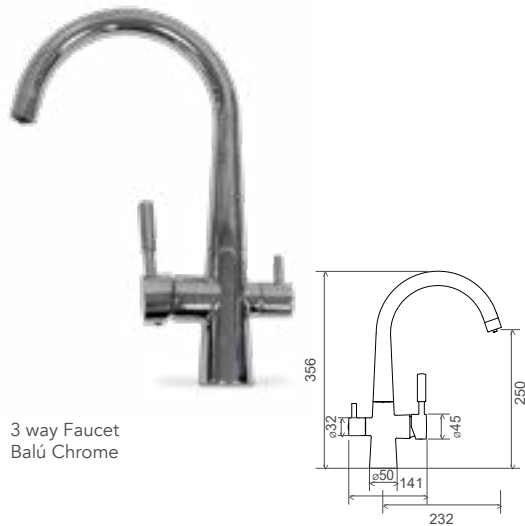


3 WAY AKELA CHROME SERIE

- The most classic faucet in the entire range, for the smallest spaces.
- Chrome body, Zinc handle
- The water circulation and outlet pipe coming from the osmosis equipment has no contact with any metal part of the faucet. The water maintains its maximum purity.
- Cartridge, hoses and aerator with **NSF certified** .
- 40mm cartridge
- 1/2" to 3/8" plastic threaded connector for osmosis system.
- 2 pcs 50cm flexible stainless steel braided hoses
- 1 pc 35cm flexible stainless steel braided hose

CODE	MODEL	MEASURES Wide x Tall x Depth
OI-0207-180	Akela Chrome faucet	280 x 211 x 55 mm





3 way Faucet
Balú Chrome

3 WAY FAUCETS

3 WAY BALU CHROME SERIES

- A small touch at the base distinguishes this faucet, a plus of style and design.
- Chrome body, Zinc handle
 - The water circulation and outlet pipe coming from the osmosis system does not come into contact with any metal part of the faucet. The water maintains its maximum purity.
 - Cartridge, hoses and aerator with **NSF certified** .
 - 35mm cartridge
 - 1/2" to 3/8" plastic threaded connector for osmosis system.
 - 2 pcs 50cm flexible stainless steel braided hoses
 - 1 pc 35cm flexible stainless steel braided hose

CODE	MODEL	MEASURES WIDTH x HIGH x DEPTH
OI-0207-182	Balu Chrome faucet	232 x 356 x 50 mm

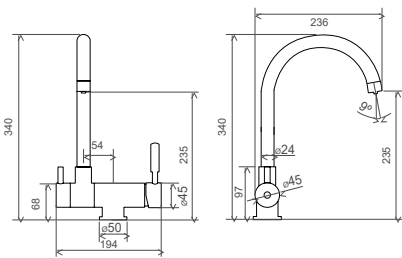
3-WAY FOLDING SERIES CHROME and BLACK

More position options to suit any kitchen and need.

- Chrome body, Zinc handle
- The water circulation and outlet pipe coming from the osmosis system does not come into contact with any metal part of the faucet. The water maintains its maximum purity.
- NSF certified cartridge, hoses and aerator.
- 35mm cartridge
- 1 1/2" to 3/8" plastic threaded connector and 1 1/2" to 1/4" connector
- 2 pcs 50cm flexible stainless steel braided hoses
- 1 pc 35cm flexible stainless steel braided hose



CODE	MODEL	MEASURES WIDTH x HIGH x DEPTH
OI-0207-185	Chrome Folding faucet	236 x 340 x 50 mm
OI-0207-187	Black Folding faucet	236 x 340 x 50 mm



3 WAY BAHIA BRUSH SERIES

- Organic curve-shaped design in stainless steel. It adapts to all types of kitchens, classic or modern.
- Body in 304 stainless steel
- The water circulation and outlet pipe coming from the osmosis equipment does not come into contact with any metal part of the faucet. The water maintains its maximum purity.
- Cartridge, hoses and aerator with **NSF certified** .
- 35mm cartridge
- 1/2" to 3/8" plastic threaded connector for osmosis system.
- 2 pcs 50cm flexible stainless steel braided hoses
- 1 pc 35cm flexible stainless steel braided hose

CODE	MODEL	MEASURES WIDTH x HEIGHTx DEPTH
OI-0207-184	Brush Bay faucet	213 x 423 x 50 mm



3 way Faucet
Bahía Brush

3 WAYS ELIAN BRUSH and ELIAN BLACK SERIES

Square structure for this stainless steel faucet. Straight lines for the most modern kitchens

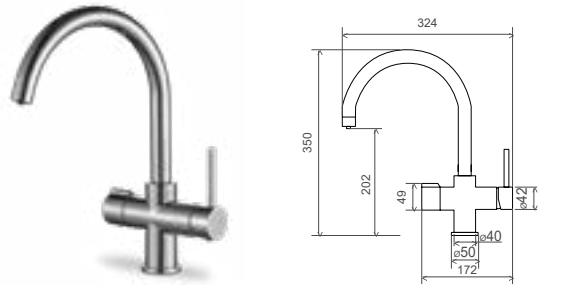
- Body in 304 stainless steel
- The water circulation and outlet pipe coming from the osmosis system does not come into contact with any metal part of the faucet. The water maintains its maximum purity.
- Cartridge, hoses and aerator with **NSF certified** .
- 35mm cartridge
- 1/2" to 3/8" plastic threaded connector for osmosis system.
- 2 pcs 50cm flexible stainless steel braided hose
- 1 pc braided hose steel 35cm flexible stainless steel

CODE	MODEL	MEASURES WIDTH x HEIGHTx DEPTH
OI-0207-186	Grifo Elian Brush	273 x 343 x 50mm
OI-0207-188	Grifo Elian Black	273 x 343 x 50mm



4 WAY SERIES

- Chrome body, Zinc handle
- The water circulation and outlet pipe coming from the osmosis system does not come into contact with any metal part of the faucet. This way, the water maintains its maximum purity.
- NSF certified cartridge, hose and aerator.
- 35mm cartridge
- 2 tubing of 5/16" for filtered and osmosis water
- 2 connectors for 1/4" outputs with the possibility of changing them to 3/8" using an intermediate connector (also included)
- 2 pcs 50cm flexible stainless steel braided hose



CODE	MODEL	MEASURES WIDTH x HEIGHTx DEPTH
OI-0207-183	4 Way faucet	324x350x49

ACCESSORIES

PRESSURE REGULATOR

Pressure reducing valve designed to protect the filtration system by limiting pressure and reducing water hammer.

- No need for external drives; the fluid action itself actuates the valve
- Flow rate: 15 L/m 7 Bar
- Maximum Pressure: 2.1 Bar
- Maximum temperature: 40°C
- 40 PSI Series: For reverse osmosis application with pump where pressure is required. Input less than 3 Bar
- 50 PSI Series: For reverse osmosis application without pump where pressure is required input less than 4.2 Bar.

CODE	MODEL
OI-0207-136	40 PSI - 2.8 Bar Quick connection 1/4"
OI-0207-137	50 PSI - 3.5 Bar Quick connection 1/4"
OI-0207-141	40 PSI - 2.8 Bar Quick connection 3/8"

STORAGE TANKS

CODE	MODEL	MEASURES	CAP. (L)	MIN. QTY.
DE-0602-02	4 gallon double wall tank	Ø 25, 37cm total	15	1
DE-0606-01	White metal 2.2 gallons tank	Ø 20, 32 cm total.	8	1
DE-0606-02	White metal 3.2 gallons tank	Ø 24, 36 cm tall.	12	1
DE-0606-11	0.5 G tank	Ø 13, 20 cm tall	1,9	1
DE-0606-14	1 G tank	Ø 16, 24 cm total	3,8	1
DE-0606-05	5.5 G tank	Ø 29, 39 cm total	20,8	1
DE-0606-10	Tank 9.2 G	Ø 32, 54 cm total	34,8	1
DE-0606-06	14 G tank	Ø 39, 63 cm high	53	1
DE-0606-07	20 G tank	Ø 39, 79 cm tall	75,7	1
DE-0606-08	28 G tank	Ø 43, 80 cm high	106	1
DE-0606-09	40 G tank	Ø 43, 106 cm tall	151,5	1
OI-0207-22B	1/4" H x 1/4" T Valve for tank			1
OI-0207-88B	1/4" H x 3/8" T Valve for tank			1

PRESSURE GAUGE

CODE	MODEL	MIN QUANTITY
OI-0234-04	Nereo / Tiber Plus pressure gauge (0-20 Bar)	1
OI-0234-12	Nereo Booster Pressure Gauge (0-20 Bar)	1
OI-0234-54	Xena 10.1 Pressure Gauge (0-15 Bar)	1
OI-0234-56	Xena 20.1 Pressure Gauge (0-20 Bar)	1
OI-0234-06	Nereo/Tiber Plus membrane holder and pressure gauge connector	1
OI-0234-14	Nereo Booster membrane and pressure gauge connector	1



ACCESSORIES

FILTER HOUSING

CODE	MODEL
OI-0234-02	2P filter opaque vessel 10" connection 1/4"
OI-0234-05	2P filter opaque vessel 10" connection 1/4" ALBA
FI-0250-06	2P filter opaque vessel 20" connection 3/8"
FI-0203-02	BIG 20" Filter



MEMBRANE VESSEL

CODE	MODEL
PO-0203-01	Membrane container 18 x 12
PO-0203-07	Membrane container 23/24 x 12
OI-0234-10	Filter wrench and membrane holder 18 x 12
OI-0234-50	Membrane holder key 23/24 x 12
OP-0203-07	Membrane holder interconnector 23/24 x 12



FLOW RESTRICTORS

CODE	MODEL	MIN QUANTITY
OI-0207-44	300 cc 1/4" T Flow restrictor	1
OI-0207-19	400 cc 1/4" H Flow restrictor	1
OI-0207-39	500 cc 1/4" H Flow restrictor	1
OI-0207-25	800 cc 1/4" T Flow restrictor	1
OI-0230-26	1200 cc 1/4" T Flow restrictor	1
OI-0230-12	1500 cc 1/4" T Flow restrictor	1
OI-0234-60	2000 cc 1/4" T Flow restrictor	1



SOLENOID VALVE

CODE	MODEL	MIN QUANTITY
OI-0207-34	1/4"F x 1/4"F 24V DC solenoid valve	1
OI-0234-42	3/8"F x 3/8"F 24V DC solenoid valve	1
OI-0234-67	3/8" 36V DC solenoid valve	1



PRESSURE SWITCHES

CODE	MODEL	MIN QUANTITY
OI-0207-27	Minimum pressure switch 1/4"H 5A	1
OI-0207-28	Maximum pressure switch 1/4"T 5A	1
OI-0234-72	Minimum pressure switch 1/4" F 15A	1
OI-0234-60	Maximum pressure switch 1/4" T 15A	1



SHUT-OFF AND CHECK VALVES

CODE	MODEL	MIN. QUANTITY
OI-0207-07	1/4" block valve	1
OI-0206-07	1/4" quick connection block valve	1
OI-0234-46	3/8" block valve	1
OI-0207-117	Codo + anti-return 1/8" M x 1/4" T	1
OI-0208-32	Check valve 1/4"T x 1/4"T quick connection	1
OI-0234-62	3/8"T x 3/8"T non-return union quick connection	1



TUBES

CODE	MODEL	MIN. QUANTITY
TU-0604-01	1/4" White tube	25 m
TU-0602-01	3/8" White tube	25 m
TU-0604-21	1/4" Antibacterial PE tube	25 m
TU-0602-21	3/8" Antibacterial PE tube	25 m



CLIPS

CODE	MODEL	MIN. QUANTITY
OI-0207-09	Single clip 2 1/2"	5
OI-0207-45	Single clip 2"	5
OI-0207-16	Double clip 2" x 2 1/2"	5
OI-0207-42	Double clip 2 1/2" x 2 1/2"	5
OI-0207-46	Shutt-off valve clip	5
OI-0207-20	Drain clamp	5



BRASS ACCESSORIES

CODE	MODEL	MIN. QUANTITY
OI-0207-08B	Manual flushing valve 1/4" F x 1/4" F	5
OI-0210-02	Brass ball valve 1/4"M x 1/4"T	1
OI-0210-03	Brass ball valve 1/4"M x 3/8"T	1
OI-0207-01	Feed adapter for faucet 3/8" Tee x 1/4"T x 3/8"H key	1
OI-0207-110	Feed adapter for faucet 3/8" Tee x 3/8"T x 3/8"H key	1
OI-0230-09	Feed adapter 3/8"M x 1/4"H x 3/8"H	1
OI-0210-14	Feed adapter 3/4"M x 1/4"H x 3/4"H	1
OI-0210-16	Feed adapter 3/4"M x 3/4"H	1



QUICK CONNECTOR ACCESSORIES

CODE	MODEL	TUBE	TUBE	-	BLISTER
TG-A4MC4B	Male connector	1/4"	1/4"M	-	5 Units
TG-A4MC6B	Male connector	1/4"	3/8"M	-	5 Units
TG-A4MC7B	Male connector	1/4"	1/2"M	-	5 Units
TG-A6MC4B	Male connector	3/8"	1/4"M	-	5 Units
TG-A6MC6B	Male connector	3/8"	3/8"M	-	5 Units
TG-A6MC7B	Male connector	3/8"	1/2"M	-	5 Units
TG-A4ME4B	Male Elbow	1/4"	1/4"M	-	5 Units
TG-A4ME6B	Male Elbow	1/4"	3/8"M	-	5 Units
TG-A6ME4B	Male Elbow	3/8"	1/4"M	-	5 Units
TG-A6ME6B	Male Elbow	3/8"	3/8"M	-	5 Units



CODE	MODEL	TUBE	TUBE	-	BLISTER
TG-A4EU4B	Union elbow	1/4"	1/4"	-	5 Units
TG-A6EU4B	Union elbow	3/8"	1/4"	-	5 Units
TG-A6EU6B	Union elbow	3/8"	3/8"	-	5 Units



CODE	MODEL	TUBE	TUBE	-	BLISTER
TG-A4TEU4B	Stem Elbow	1/4"	1/4"	-	5 Units
TG-A6TEU6B	Stem Elbow	3/8"	3/8"	-	5 Units



CODE	MODEL	TUBE	TUBE	-	BLISTER
TG-A4BU4B	Bulkhead	1/4"	1/4"	-	2 Units
TG-A6BU6B	Bulkhead	3/8"	3/8"	-	2 Units



CODE	MODEL	TUBE	TUBE	TUBE	BLISTER
TG-A4TU4B	Union Tee	1/4"	1/4"	1/4"	5 Units
TG-A6TU6B	Union Tee	3/8"	3/8"	3/8"	5 Units



CODE	MODEL	TUBE	TUBE	THREAD	BLISTER
OI-0212-16B	Male run tee	1/4"	1/4"	1/4"M	5 Units
OI-0208-33B	Male run tee	3/8"	1/4"	1/4"M	2 Units



CODE	MODEL	TUBE	TUBE	-	BLISTER
TG-A4UC4B	Union connector	1/4"	1/4"	-	5 Units
TG-A6UC4B	Union connector	3/8"	1/4"	-	5 Units
TG-A6UC6B	Union connector	3/8"	3/8"	-	5 Units



CODE	MODEL	TUBE	-	-	BLISTER
TG-A4HVUC4B	Ball valve	1/4"	-	-	1 Unit
TG-A6HVUC6B	Ball valve	3/8"	-	-	1 Unit



OI-0207-116B	1/4" Locking clip	-	-	-	10 Units
OI-0207-132B	3/8" Locking clip	-	-	-	10 Units





INSTALLATION ACCESSORIES

CODE	MODEL	TUBE	THREAD	-	BLISTER
OI-0207-15	Male connector	1/4"	1/8"M	-	10
OI-0207-33B	Male connector	1/4"	1/4"M	-	5
OI-0208-16B	Male connector	3/8"	1/4"M	-	5
OI-0208-17B	Male connector	1/4"	3/8"M	-	5
OI-0208-18B	Male connector	3/8"	3/8"M	-	5
OI-0206-08B	Male Elbow	1/4"	1/8"M	-	2
OI-0207-02B	Male Elbow	1/4"	1/4"M	-	2
OI-0208-12B	Male Elbow	3/8"	1/4"M	-	10
OI-0207-30B	Male Elbow	1/4"	3/8"M	-	2
OI-0208-13B	Male Elbow	3/8"	3/8"M	-	5

CODE	MODEL	TUBE	TUBE	THREAD	BLISTER
OI-0207-18B	Male run tee	1/4"	1/4"	1/4"M	2
OI-0208-10	Male run tee	1/4"	1/4"	1/8"M	10
OI-0208-23B	Male run tee	1/4"	3/8"	1/4"M	2
OI-0208-25B	Male run tee	3/8"	1/4"	1/4"M	2

CODE	MODEL	TUBE	TUBE	TUBE	BLISTER
OI-0206-15B	Union Tee	1/4"	1/4"	1/4"	5
OI-0208-11B	Union Tee	3/8"	3/8"	3/8"	2

CODE	MODEL	THREAD	THREAD	-	BLISTER
OI-0208-04B	Double male connector	1/4"M	1/4"M	-	3
OI-0208-05B	Double male connector	3/8"M	3/8"M	-	2

CODE	MODEL	TUBE	TUBE	-	BLISTER
OI-0208-19B	Union connector	1/4"	1/4"	-	5
OI-0208-20B	Union connector	3/8"	3/8"	-	5
OI-0208-21B	Union connector	3/8"	1/4"	-	5

CODE	MODEL	BLISTER
OI-0207-53B	Insert for 1/4" tube	10
OI-0207-54B	Insert for 3/8" tube	10

CODE	MODEL	BLISTER
OI-0207-51B	1/4" Celcon sleeve	10
OI-0207-52B	3/8" Celcon sleeve	10



PI-PM RANGE ACCESSORIES

	CODE	MODEL	TUBE	THREAD	COLOR	MIN.
	JG-PI010801S	BSPT male adapter	1/4	1/8	GRAY	10
	JG-PI010802S	BSPT male adapter	1/4	1/4	GRAY	10
	JG-PI011202S	BSPT male adapter	3/8	1/4	GRAY	10
	JG-PI011203S	BSPT male adapter	3/8	3/8	GRAY	10
	JG-PI010812S	BSP male adapter	1/4	1/4	GRAY	10
	JG-PI011212S	BSP male adapter	3/8	1/4	GRAY	10
	JG-PI011213S	BSP male adapter	3/8	3/8	GRAY	10
	JG-PM010611E	BSP male adapter	6	1/8	BLACK	10
	JG-PM010612E	BSP male adapter	6	1/4	BLACK	10
	JG-PM010811E	BSP male adapter	8	1/8	BLACK	10
	JG-PM010812E	BSP male adapter	8	1/4	BLACK	10
	JG-PM010813E	BSP male adapter	8	3/8	BLACK	10
	JG-PM011012E	BSP male adapter	10	1/4	BLACK	10
	JG-PM011013E	BSP male adapter	10	3/8	BLACK	10
	JG-PM011014E	BSP male adapter	10	1/2	BLACK	10
	JG- PM011213E	BSP male adapter	12	3/8	BLACK	10
	JG-PM011214E	BSP male adapter	12	1/2	BLACK	10
	JG-PM011514E	BSP male adapter	15	1/2	BLACK	10
	JG-PM011516E	BSP male adapter	15	3/4	BLACK	10
	JG-PM012216E	BSP male adapter	22	3/4	BLACK	10
	JG-PI010821S	NPTF male adapter	1/4	1/8	GRAY	10
	JG- PI010822S	NPTF male adapter	1/4	1/4	GRAY	10
	JG-PI010823S	NPTF male adapter	1/4	3/8	GRAY	10
	JGPI011222S	NPTF male adapter	3/8	1/4	GRAY	10
	JGPI011223S	NPTF male adapter	3/8	3/8	GRAY	10
	JG- PI0408S	Union connection	1/4	1/4	GRAY	10
	JG- PI0412S	Union connection	3/8	3/8	GRAY	10
	JG-PM0406E	Union connection	6	6	BLACK	10
	JG-PM0408E	Union connection	8	8	BLACK	10
	JG-PM0410E	Union connection	10	10	BLACK	10
	JG-PM0412E	Union connection	12	12	BLACK	10
	JG-PM0415E	Union connection	15	15	BLACK	10
	JG-PM0422E	Union connection	22	22	BLACK	10
	JG-PI201008S	Reduced cuff	5/16	1/4	GRAY	10
	JG- PI201208S	Reducing connection	3/8	1/4	GRAY	10
	JG- PM200806E	Reducing connection	8	6	BLACK	10
	JG-PM201006E	Reducing connection	10	6	BLACK	10
	JG-PM201008E	Reducing connection	10	8	BLACK	10
	JG-PM201210E	Reducing connection	12	10	BLACK	10
	JG- PI0308S	Elbow union	1/4	1/4	GRAY	10
	JG-PI0312S	Elbow union	3/8	3/8	GRAY	10
	JG-PM0306E	Elbow union	6	6	BLACK	10
	JG-PM0308E	Elbow union	8	8	BLACK	10
	JG- PM0310E	Elbow union	10	10	BLACK	10
	JG-PM0312E	Elbow union	12	12	BLACK	10
	JG-PM0315E	Elbow union	15	15	BLACK	10
	JG- PM0322E	Elbow union	22	22	BLACK	5
	JG-PI211008S	Reducing elbow	5/16	1/4	GRAY	10
	JG-PI211208S	Reducing elbow	3/8	1/4	GRAY	10
	JGPI220808S	Elbow with slip spigot	1/4	1/4	GRAY	10
	JG-PI221206S	Elbow with slip spigot	3/8	3/8	GRAY	10
	JG- PI480821S	NPTF male thread elbow	1/4	1/8	GRAY	10
	JG- PI480822S	NPTF male thread elbow	1/4	1/4	GRAY	10
	JG-PI480823S	NPTF male thread elbow	1/4	3/8	GRAY	10
	JGPI481222S	NPTF male thread elbow	3/8	1/4	GRAY	10
	JGPI481223S	NPTF male thread elbow	3/8	3/8	GRAY	10





PI-PM ACCESSORIES

CODE		MODEL	TUBE	THREAD	COLOR	MIN.
	JG-PM090611E	Elbow with turning male thread BSP	6	1/8	BLACK	10
	JG-PM090612E	Elbow with turning male thread BSP	6	1/4	BLACK	10
	JG-PM090811E	Elbow with turning male thread BSP	8	1/8	BLACK	10
	JG-PM090812E	Elbow with turning male thread BSP	8	1/4	BLACK	10
	JG-PM090813E	Elbow with turning male thread BSP	8	3/8	BLACK	10
	JG-PM091012E	Elbow with turning male thread BSP	10	1/4	BLACK	10
	JG-PM091013E	Elbow with turning male thread BSP	10	3/8	BLACK	10
	JG-PM091014E	Elbow with turning male thread BSP	10	1/2	BLACK	10
	JG-PM091213E	Elbow with turning male thread BSP	12	3/8	BLACK	10
	JG-PM091214E	Elbow with turning male thread BSP	12	1/2	BLACK	10
	JG- PI0208S	Unión Tee	1/4		GRAY	10
	JG- PI0212S	Unión Tee	3/8		GRAY	10
	JG- PM0206E	Unión Tee	6		BLACK	10
	JG-PM0208E	Unión Tee	8		BLACK	10
	JG-PM0210E	Unión Tee	10		BLACK	10
	JG-PM0212E	Unión Tee	12		BLACK	10
	JG-PM0215E	Unión Tee	15		BLACK	5
	JG-PM0222E	Unión Tee	22		BLACK	5
	JG- PI301208S	Reducing Tee	3/8	1/4	GRAY	10
	JG-PM3022AE	Reducing Tee	22	15	BLACK	5
	JG-PM050611E	Male thread spigot BSP	6	1/8	BLACK	10
	JG-PM050612E	Male thread spigot BSP	6	1/4	BLACK	10
	JG-PM050812E	Male thread spigot BSP	8	1/4	BLACK	10
	JG-PM050813E	Male thread spigot BSP	8	3/8	BLACK	10
	JG-PM051012E	Male thread spigot BSP	10	1/4	BLACK	10
	JG-PM051013E	Male thread spigot BSP	10	3/8	BLACK	10
	JG-PM051014E	Male thread spigot BSP	10	1/2	BLACK	10
	JG-PM051213E	Male thread spigot BSP	12	3/8	BLACK	10
	JG- PM051214E	Male thread spigot BSP	12	1/2	BLACK	10
	JG-PM051513E	Male thread spigot BSP	15	3/8	BLACK	10
	JG-PM051514E	Male thread spigot BSP	15	1/2	BLACK	10
	JG-PM052214E	Male thread spigot BSP	22	1/2	BLACK	10
	JG-PM052216E	Male thread spigot BSP	22	3/4	BLACK	10
	JG- PI050821S	Male thread spigot NPTF	1/4	1/8	GRAY	10
	JG- PI050822S	Male thread spigot NPTF	1/4	1/4	GRAY	10
	JG- PI050823S	Male thread spigot NPTF	1/4	3/8	GRAY	10
	JG- PI051222S	Male thread spigot NPTF	3/8	1/4	GRAY	10
	JGPI051223S	Male thread spigot NPTF	3/8	3/8	GRAY	10
	JG-CI320816FS	Female adapter (slip seat) BSP	1/4	3/4	GRAY	10
	JG- PI451213S	Female adapter (slip seat) BSP	3/8	3/8	GRAY	10
	JG-PI451214FS	Female adapter (slip seat) BSP	3/8	1/2	GRAY	10
	JG-CI321216FS	Female adapter (slip seat) BSP	3/8	3/4	GRAY	10
	JG- CI3208U7S	Female faucet adapter UNS	1/4	7/16	GRAY	10
	JG- CI3212U7S	Female faucet adapter UNS	3/8	7/16	GRAY	10
	JG- PI450822S	Female faucet adapter NPTF	1/4	1/4	GRAY	10
	JG- PI451222S	Female faucet adapter NPTF	3/8	1/4	GRAY	10
	JG- PI450822S	Female faucet adapter NPTF	1/4	1/4	GRAY	10
	JG- PI451222S	Female faucet adapter NPTF	3/8	1/4	GRAY	10
	JG- PI450822S	Female faucet adapter NPTF	1/4	1/4	GRAY	10
	JG- PI451222S	Female faucet adapter NPTF	3/8	1/4	GRAY	10



PI-PM ACCESSORIES

CODE		MODEL	TUBE	THREAD	COLOR	MIN.
	JG-PM1206E	Partition pass	6	6	BLACK	10
	JG-PM1208E	Partition pass	8	8	BLACK	10
	JG-PM1210E	Partition pass	10	10	BLACK	10
	JG-PM1212E	Partition pass	12	12	BLACK	5
	JG-PI061208S	Reducer	3/8	1/4	GRAY	10
	JG-PM060806E	Reducer	8	6	BLACK	10
	JG-PM061006E	Reducer	10	6	BLACK	10
	JG-PM061008E	Reducer	10	8	BLACK	10
	JG-PM061210E	Reducer	12	10	BLACK	10
	JG-PM061510E	Reducer	15	10	BLACK	10
	JG-PM061512E	Reducer	15	12	BLACK	10
	JG-PM062215E	Reducer	22	15	BLACK	10
	JG-PI0808S	Inner plug	1/4		GRAY	10
	JG-PI0812S	Inner plug	3/8		GRAY	10
	JG-PM0806R	Inner plug	6		RED	10
	JG-PM0808R	Inner plug	8		RED	10
	JG-PM0810R	Inner plug	10		RED	10
	JG-PM0812R	Inner plug	12		RED	10
	JG-PM0815E	Inner plug	15		RED	10
	JG-PM0822E	Inner plug	22		RED	10
	JG-CM0715S	Tank connection	Ø 15			10
	JG-CM0722S	Tank connection	Ø 22			10
	JG-UGPWB1514	Elbow base female connection BSPT	Ø 15	1/2	BLACK	1
	JG-TSNIP	Pipe cutter	Valid up to Ø 12 mm			1
	JG-JG-TS	Pipe cutter scissors	Valid up to Ø 22 mm			1
	JG-PIC1808R	Safety clip	1/4		RED	100
	JG-PMC1808R	Safety clip	5/16		RED	100
	JG-PIC1812R	Safety clip	3/8		RED	100
	JG-PMC1815R	Safety clip	15		RED	100
	JGSV040808W	Shut-off valve tube	1/4		WHITE	1
	JGSV041212W	Shut-off valve tube	3/8		WHITE	1
	JGMSV040606W	Shut-off valve tube	6		WHITE	1
	JGMSV040808W	Shut-off valve tube	8		WHITE	1
	JGMSV041010W	Shut-off valve tube	10		WHITE	1
	JGMSV041212W	Shut-off valve tube	12		WHITE	1
	JGSV500822W	Shut-off valve tube – female thread NPTF	1/4	1/4	WHITE	1
	JGSV501222W	Shut-off valve tube – female thread NPTF	3/8	3/8	WHITE	1
	JG-PE08BIB	LLDPE tube	1/4"		BLUE	152
	JG-PE08BIR	LLDPE tube	1/4"		RED	152
	JG-PE08BIW	LLDPE tube	1/4"		WHITE	152
	JG-PE12EIN	LLDPE tube	3/8"		NATURAL	152
	JG-PE12EIE	LLDPE tube	3/8"		BLUE	152
	JG-PE12EIR	LLDPE tube	3/8"		RED	152
	JG-FOR-12EIW	LLDPE tube	3/8"		WHITE	152
	JG-PE0604B	LLDPE tube	Ø 6	Ø 4	BLUE	100
	JG-PE0806B	LLDPE tube	Ø 8	Ø 6	BLUE	100
	JG-PE1007N	LLDPE tube	Ø 10	Ø 7	NATURAL	100
	JG-PE1007B	LLDPE tube	Ø 10	Ø 7	BLUE	100
	JG-PE1209B	LLDPE tube	Ø 12	Ø 9	BLUE	100
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60
	JG-15BP3W	3 m Tube BP3W	Ø 15		WHITE	60



INDUSTRIAL OSMOSIS

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PEQ SERIES OSMOSIS

Osmosis systems PEQ series are designed for the production of low salinity water for use in water treatment applications, water service and water for different semi-industrial and/or industrial processes.

The production of reverse osmosis systems serie PEQ are from 30 L/h to 120 L/h*.

REQUIREMENTS

- Power supply: 220 – 240 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Design temperature: 20°C
- Maximum TDS input: 2.000 ppm

OPTIONS

- Mixing system
- Conductivity meter in the permeate line
- Conductivity meter of raw water

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	POWER (W)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0401-02	RO-P1221	30	1x25x21	245	25	800	400	700
RO-0401-03	RO-P1240	60	1x25x40	375	30	1200	400	700
RO-0401-04	RO-P2240	120	2x25x40	375	45	1200	400	700
OP-0404-05	½" Mixer system option							
OP-0404-07	Conductivity meter in the permeate line option							
OP-0404-08	Conductivity meter in the line of raw water option							

* The conversion may vary depending on the analytics of the incoming water.

NOTE: All PEQ series osmosis systems require adequate pre-treatment, which will depend on the source and quality of the water to be treated. For water with a TDS higher than 2000 ppm, please contact our technical department. Also, depending on the application of the treated water, a post-treatment may be necessary.



MAIN COMPONENTS

1. 5 micron microfiltration
2. Minimum pressure switch
3. High pressure vane pump
4. Reverse osmosis membrane 2.5" of high salt rejection
5. Inlet brass solenoid
6. Drive brass solenoid
7. Pump pressure gauge
8. Rejection gauge
9. Permeate flow meter
10. Reject flow regulator
11. Recirculation regulation key
12. Electronic programmer model RO-HW2
13. Structure made of stainless steel

MURAL SERIES OSMOSIS

MURAL series osmosis system is designed for the production of low salinity water for use in potable water applications, service water and water for different semi-industrial and/or industrial processes.

Designed for wall installation, it is the perfect solution for applications where low salinity water is required and there is not much space available.

The output of the Mural series osmosis system is 200 L/h.*

REQUIREMENTS

- Electrical voltage: 220 - 240 VAC - 50 Hz
- Supply pressure: 3 - 5 Bar
- Design temperature: 20°C
- Maximum inlet TDS: 2.000 ppm

OPTIONS

- Mixing system
- Raw water conductivity meter

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	POWER (W)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0403-07	RO-M140	200	1x40x40	Vanes 0,75	40	1000	226	1300
OP-0404-05	½" Mixer system option							
OP-0404-08	Conductivity meter in the line of raw water option							

* The conversion may vary depending on the analytics of the incoming water.

NOTE: The osmosis system of the MURAL series requires an adequate pre-treatment, which will depend on the origin and quality of the water to be treated. For water with a TDS higher than 2000 ppm, please contact our technical department. Also, depending on the application of the treated water, a post-treatment may be necessary.



MAIN COMPONENTS

1. 5 micron microfiltration
2. Minimum pressure switch
3. High-pressure vane pump
4. 4' low pressure reverse osmosis membrane.
5. Brass inlet solenoid valve
6. Brass inlet solenoid valve
7. Pump pressure gauge
8. Rejection pressure gauge
9. Permeate flow meter
10. Recirculation flow meter
11. Conductivity meter in the permeate line
12. Rejection flow regulator
13. Recirculation regulation valve
14. Electric programmer model RO-HW2
15. Stainless steel wall-mounted structure.

CONTEC
SERIES



MIINI-CONTEC SERIES



CONTEC SERIES

OSMOSIS CONTEC SERIES

CONTEC series osmosis systems are designed for the production of low-salinity water for use in potable water applications, service water and water for different semi-industrial and/or industrial processes.

The output of the osmosis systems of the CONTEC series ranges from 80 L/h to 600 L/h*.

OSMOSIS CONTEC SERIES
INDUSTRIAL OSMOSIS

MAIN COMPONENTS

- 1. 5 micron microfiltration
- 2. Minimum pressure switch
- 3. High pressure pump (vane or vertical centrifugal pump in stainless steel 304, depending on the model)
- 4. Low pressure reverse osmosis membrane 4".
- 5. Inlet brass solenoid
- 6. Drive brass solenoid
- 7. Inlet pressure gauge
- 8. Pump pressure gauge
- 9. Rejection pressure gauge
- 10. Permeate flow meter
- 11. Recirculation flowmeter with regulation key
- 12. Rejection flowmeter with regulation key
- 13. Conductivity meter in the permeate line
- 14. Electric programmer model RO-HW2
- 15. Stainless steel structure
- 16. Low pressure line constructed in PVC-PN16
- 17. Contec models: high pressure line constructed in stainless steel
- 18. Mini Contec models: high-pressure line made of PVC-PN16

REQUIREMENTS

- TDS Maximum inlet: 2.000 ppm
- Design temperature: 20°C
- Supply pressure: 3 - 5 Bar
- Electrical voltage:
 - 220 - 240 VAC - 50 Hz (equipment with vane pumps)
 - 380 - 400 VAC - 50 Hz (equipment with vertical pumps)

OPTIONS

- Mixing system
- Raw water conductivity meter

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0601-02	MINI CONTEC 40-21	80	40x21	Vanes 0,75	20	525	550	970
RO-0601-03	MINI CONTEC 40-40	200	40x40	Vanes 0,75	40	525	550	1320
RO-0602-01	CONTEC 140	200	40x40	Vertical 1,1	40	680	640	1460
RO-0602-02	CONTEC 240	400	2x40x40	Vertical 1,1	50	680	640	1460
RO-0602-03	CONTEC 340	600	3x40x40	Vertical 1,1	60	680	640	1460
OP-0404-05	½" Mixer system option							
OP-0404-08	Conductivity meter in the line of raw water option							

* The conversion may vary depending on the analytics of the incoming water.

** Pump type -> The high pressure power may vary depending on the inlet water temperature. The design of the equipment has been carried out taking into account an inlet water temperature of 20°C. For lower temperatures, please contact our technical department.

NOTE: All osmosis systems of the CONTEC series require a suitable pre-treatment, which will depend on the origin and quality of the water to be treated. For water with a TDS higher than 2000 ppm, please contact our technical department. Depending on the application of the treated water, a post-treatment may also be necessary.

SERIE A



A SERIES OSMOSIS

The A Series osmosis system is designed for the production of low salinity water for use in water treatment applications, water service and water for different semi-industrial and/or industrial processes.

The production of A Series reverse osmosis system ranges from 180 L/h to 200 L/h*.

A SERIES OSMOSIS

INDUSTRIAL OSMOSIS

MAIN COMPONENTS

- 1. 5 micron microfiltration
- 2. Minimum pressure switch
- 3. High pressure pump (vane or vertical centrifugal pump in stainless steel 304, depending on model)
- 4. Low pressure reverse osmosis membrane (2'5' or 4' depending on model)
- 5. Inlet brass solenoid
- 6. Drive brass solenoid
- 7. Pump pressure gauge
- 8. Rejection pressure gauge
- 9. Permeate flow meter
- 10. Recirculation flow meter
- 11. Conductivity meter in the permeate line on models ending in 'CD'.
- 12. Rejection flow regulator
- 13. Recirculation control valve
- 14. Electric programmer model RO-HW2
- 15. Stainless steel structure

REQUIREMENTS

- Electrical voltage:
 - 220 - 240 VAC - 50 Hz (equipment with vane pumps).
 - 380 - 400 VAC - 50 Hz (equipment with vertical pumps)
- Supply pressure: 3 - 5 Bar
- Design temperature: 20°C
- TDS maximum inlet: 2.000 ppm

OPTIONS

- Mixing system
- Raw water conductivity meter

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0402-25	RO-A3240	180	3x25x40	Vanes 0,75	60	600	500	1500
RO-0402-05	RO-A3240-CD	180	3x25x40	Vanes 0,75	60	600	500	1500
RO-0402-27	RO-A140	200	1x40x40	Vanes 0,75	40	600	500	1500
RO-0402-37	RO-A140BV	200	1x40x40	Vanes 1,1	40	900	550	1500
RO-0402-07	RO-A140-CD	200	1x40x40	Vanes 0,75	40	600	500	1500
RO-0402-17	ROA-A140BV-CD	200	1x40x40	Vertical 1,1	40	900	550	1500
OP-0404-05	½" Mixer system option							
OP-0404-08	Conductivity meter in the line of raw water option							

* The conversion may vary depending on the analytics of the incoming water.

NOTE: All A series osmosis systems require adequate pre-treatment, which will depend on the source and quality of the water to be treated. For water with a TDS higher than 2000 ppm, please contact our technical department. Also, depending on the application of the treated water, a post-treatment may be necessary.

SERIE B-LP



RO B 240 WITHOUT FLUSHING



RO B 240 WITH FLUSHING



RO B 680 WITH FLUSHING



RO B 640 WITH FLUSHING

REQUIREMENTS

- Power supply: 380 - 400 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Designed for temperature of 20°C
- TDS Maximum input: ≤ 1.000 ppm

OPTIONS

- Flushing system
- Mixing system
- PLC HW automatic programmer
- Conductivity meter of raw water
- Redox meter for inlet raw water
- pH meter for inlet raw water

B-LP SERIES OSMOSIS

The B-LP Series Osmosis systems is designed for the production of low salinity water for use in water treatment applications, water service and water for different semi-industrial and/or industrial processes.

The production of B-LP Series reverse osmosis system ranges from 200 L/h to 8000 L/h*.

B-LP SERIES INDUSTRIAL OSMOSIS

MAIN COMPONENTS

1. 5 micron microfiltration

2. Minimum pressure switch

3. High pressure vertical centrifugal pump in stainless steel 304

4. Low pressure reverse osmosis membrane (4' or 8' depending on model)

5. Inlet brass solenoid

6. Drive brass solenoid

7. Inlet pressure gauge

8. Pump pressure gauge

9. Rejection pressure gauge

10. Permeate flow meter
11. Rejection flow meter

12. Recirculation flow meter

13. Conductivity meter on the permeate line

14. Rejection flow key regulator

15. Recirculation flow key regulator

16. Electronic programmer model RO-HW2

17. Start - stop control panel

18. Stainless steel 304 structure

19. Low pressure line made of PVC-PN16

20. High pressure line made in PVC-PN16

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0404-01LP	RO-B140-LP	200	1x40x40	1,1	40	1060	650	2000
RO-0404-02LP	RO-B240-LP	400	2x40x40	1,1	50	1060	650	2000
RO-0404-03LP	RO-B340-LP	600	3x40x40	1,1	60	1060	650	2000
RO-0404-04LP	RO-B440-LP	800	4x40x40	1,1	65	1060	650	2000
RO-0404-06LP	RO-B640-LP	1.200	6x40x40	1,5	75	3500	841	2000
RO-0404-11LP	RO-B940-LP	1.800	9x40x40	2,2	75	3500	841	2000
RO-0404-12LP	RO-B1240-LP	2.400	12x40x40	2,2	75	4500	780	2000
RO-0404-07LP	RO-B280-LP	1.800	2x80x40	3	50	2900	1200	2000
RO-0404-08LP	RO-B380-LP	2.500	3x80x40	3	60	4000	1200	2000
RO-0404-09LP	RO-B480-LP	3.500	4x80x40	4	65	2900	1200	2000
RO-0404-10LP	RO-B680-LP	5.000	6x80x40	4	75	4000	1200	2000
RO-0404-14LP	RO-B980-LP	8.000	9x80x40	7,5	75	4000	1200	2000
OP-0404-02	Automatic flushing 200 L: RO-B140, RO-B240, ROB-B340 y RO-B440							
OP-0404-04	Automatic flushing 200L: RO-B640							
OP-0404-09	Automatic flushing 300L: RO-B940 and RO-B1240							
OP-0404-03	Automatic flushing 300L: RO-B280, RO-B380, RO-B480 and RO-B680							
OP-0404-11	Automatic flushing 500L: RO-B980							
OP-0404-05	½" mixing system							
OP-0404-06	1" mixing system							
OP-0404-08	Raw water conductivity meter (equipment with HW2 RO controller)							
OP-0404-40	Raw water pH meter (equipment with RO HW2 controller)							
OP-0404-42	Raw water redox meter (equipment with HW2 RO controller)							
OP-0404-10	PLC HW programmable logic controller option							
OP-0404-12	Raw water redox meter (equipment with PLC programmable controller)							
OP-0404-14	Raw water pH meter (equipment with PLC programming controller)							
OP-0404-18	Raw water CD meter (equipment with PLC programmable controller)							

* The power of the high pressure pump may vary depending on the inlet water temperature. The equipment has been designed taking into account an inlet water temperature of 20 °C. For lower temperatures, please contact our technical department.

** The conversion may vary depending on the analytics of the incoming water.

*** If the automatic flushing option is chosen, 704 mm must be added to the width of these models: RO-B140-LP, RO-B240-LP, RO-B340-LP and RO-B440-LP.

NOTE: All B-LP series osmosis systems require adequate pre-treatment, which will depend on the origin and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary.

B-MP SERIES



RO B 240 WITH FLUSHING



RO B 240 WITHOUT FLUSHING



RO B 680 WITH FLUSHING

REQUIREMENTS

- Electrical voltage: 380 - 400 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Design temperature: 20°C
- TDS Maximum input: 1.500 ppm

OPTIONS

- Flushing system
- Mixing system
- PLC HW programmable controller
- Raw water conductivity meter
- Raw water Redox potential meter
- Raw water pH meter

OSMOSIS B-MP SERIES

The B-MP series osmosis systems are equipment designed to treat water with a salinity of up to 1.500 ppm, producing water with a low salt content; for use in water treatment applications, water purification, service water and water for different processes semi-industrial and/or industrial.

The production of the B series osmosis systems varies from 200 L/h to 8.000 L/h*.

OSMOSIS B-MP SERIES

MAIN COMPONENTS

1. 5 micron microfiltration
2. Minimum pressure switch
3. Vertical centrifugal high pressure pump in 316 stainless steel
4. Highsaltrejectionreverseosmosismembrane(4" or 8" depending on the model)
5. Brass inlet solenoid valve
6. Brass solenoid valve drag
7. Inlet pressure gauge
8. Pump pressure gauge
9. Rejection pressure gauge
10. Permeate flowmeter
11. Rejection flowmeter
12. Recirculation flowmeter
13. Conductivity meter on permeate line
14. Rejection flow key regulator
15. Recirculation flow key regulator
16. Electronic programmer model RO-HW2
17. Start - stop control box
18. 304 stainless steel structure
19. Low pressure line built in PVC-PN16
20. High pressure line built in 316 stainless steel

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0404-01	RO-B140-MP	200	1x40x40	1,5	40	1060	650	2000
RO-0404-02	RO-B240-MP	400	2x40x40	1,5	50	1060	650	2000
RO-0404-03	RO-B340-MP	600	3x40x40	2,2	60	1060	650	2000
RO-0404-04	RO-B440-MP	800	4x40x40	2,2	65	1060	650	2000
RO-0404-06	RO-B640-MP	1.200	6x40x40	2,2	75	3500	841	2000
RO-0404-11	RO-B940-MP	1.800	9x40x40	3	75	3500	841	2000
RO-0404-12	RO-B1240-MP	2.400	12x40x40	3	75	4600	780	2000
RO-0404-07	RO-B280-MP	1.800	2x80x40	4	50	2900	1200	2000
RO-0404-08	RO-B380-MP	2.500	3x80x40	4	60	4000	1200	2000
RO-0404-09	RO-B480-MP	3.500	4x80x40	5,5	65	2900	1200	2000
RO-0404-10	RO-B680-MP	5.000	6x80x40	7,5	75	4000	1200	2000
RO-0404-14	RO-B980-MP	8.000	9x80x40	11	75	4000	1200	2000
OP-0404-02	Automatic flushing 200 L: RO-B140, RO-B240, ROB-B340 y RO-B440							
OP-0404-04	Automatic flushing 200L: RO-B640							
OP-0404-09	Automatic flushing 300L: RO-B940 and RO-B1240							
OP-0404-03	Automatic flushing 300L: RO-B280, RO-B380, RO-B480 y RO-B680							
OP-0404-11	Automatic flushing 500L: RO-B980							
OP-0404-05	½" Mixer system							
OP-0404-06	1" Mixer system							
OP-0404-08	Raw water conductivity meter (equipment with HW2 RO controller)							
OP-0404-40	Raw water pH meter (equipment with RO HW2 controller)							
OP-0404-42	Raw water redox meter (equipment with HW2 RO controller)							
OP-0404-10	PLC HW programmable logic controller option							
OP-0404-12	Raw water redox meter (equipment with PLC programmable controller)							
OP-0404-14	Raw water pH meter (equipment with PLC programming controller)							
OP-0404-18	Raw water CD meter (equipment with PLC programmable controller)							

* The power of the high pressure pump may vary depending on the inlet water temperature. The equipment has been designed taking into account an inlet water temperature of 20 °C. For lower temperatures, please contact our technical department.

** The conversion may vary depending on the analytics of the incoming water.

*** If the automatic flushing option is chosen, 704 mm must be added to the width of the models: RO-B140-MP, RO-B240-MP, RO-B340-MP and RO-B440-MP

NOTE: All B-MP series osmosis systems require adequate pre-treatment, which will depend on the origin and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary.

B-HP SERIES



RO B 240 WITH FLUSHING



RO B 240 WITHOUT FLUSHING



RO B 680 WITH FLUSHING



RO B 640 WITH FLUSHING

REQUIREMENTS

- Electrical voltage: 380 - 400 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Design temperature: 20°C
- Maximum input TDS: 3.000 ppm

OPTIONS

- Flushing system
- Mixing system
- PLC HW programmable controller
- Raw water conductivity meter
- Raw water Redox potential meter
- Raw water pH meter

OSMOSIS B-HP SERIES

The B-HP series osmosis systems are equipment designed to treat water with a salinity of up to 3.000 ppm, producing water with a low salt content; for use in purification applications, service water and water for different semi-industrial and/or industrial processes.

The production of the B series osmosis systems varies from 200 L/h to 8.000 L/h*.

OSMOSIS B-HP SERIES

INDUSTRIAL OSMOSIS

MAIN COMPONENTS

1. 5 micron microfiltration
2. Minimum pressure switch
3. GRUNDFOSS vertical centrifugal high pressure pump in 316 stainless steel
4. Highsaltrejectionreverseosmosismembrane(4" or 8" depending on the model)
5. Brass inlet solenoid valve
6. Brass solenoid valve drag
7. Inlet pressure gauge
8. Pump pressure gauge
9. Rejection pressure gauge
10. Permeate flowmeter
11. Rejection flowmeter
12. Recirculation flowmeter
13. Conductivity meter on permeate line
14. Rejection flow key regulator
15. Recirculation flow key regulator
16. Electronicc programmer model RO-HW2
17. Start - stop control box
18. 304 stainless steel structure
19. Low pressure line built in PVC-PN16
20. High pressure line built in 316 stainless steel

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0404-01HP	RO-B140-HP	200	1x40x40	2,2	40	1060	650	2000
RO-0404-02HP	RO-B240-HP	400	2x40x40	2,2	50	1060	650	2000
RO-0404-03HP	RO-B340-HP	600	3x40x40	3	60	1060	650	2000
RO-0404-04HP	RO-B440-HP	800	4x40x40	3	65	1060	650	2000
RO-0404-06HP	RO-B640-HP	1.200	6x40x40	3	75	3500	841	2000
RO-0404-11HP	RO-B940-HP	1.800	9x40x40	4	75	3500	841	2000
RO-0404-12HP	RO-B1240-HP	2.400	12x40x40	4	75	4600	780	2000
RO-0404-07HP	RO-B280-HP	1.800	2x80x40	5,5	50	2900	1200	2000
RO-0404-08HP	RO-B380-HP	2.500	3x80x40	5,5	60	4000	1200	2000
RO-0404-09HP	RO-B480-HP	3.500	4x80x40	7,5	65	2900	1200	2000
RO-0404-10HP	RO-B680-HP	5.000	6x80x40	7,5	75	4000	1200	2000
RO-0404-14HP	RO-B980-HP	8.000	9x80x40	15	75	4000	1200	2000
OP-0404-02	Automatic flushing. 200 L: RO-B140, RO-B240, ROB-B340 and RO-B440							
OP-0404-04	Automatic flushing 200L: RO-B640							
OP-0404-09	Automatic flushing 300L: RO-B940 and RO-B1240							
OP-0404-03	Automatic flushing 300L: RO-B280, RO-B380, RO-B480 y RO-B680							
OP-0404-11	Automatic flushing 500L: RO-B980							
OP-0404-05	½" Mixer system							
OP-0404-06	1" Mixer system							
OP-0404-08	Raw water conductivity meter (equipment with HW2 RO controller)							
OP-0404-40	Raw water pH meter (equipment with HW2 RO controller)							
OP-0404-42	Raw water redox meter (equipment with HW2 RO controller)							
OP-0404-10	PLC HW programmable logic controller option							
OP-0404-12	Raw water redox meter (equipment with PLC programmable controller)							
OP-0404-14	Raw water pH meter (equipment with PLC programming controller)							
OP-0404-18	Raw water CD meter (equipment with PLC programmable controller)							

* The power of the high pressure pump may vary depending on the inlet water temperature. The equipment has been designed taking into account an inlet water temperature of 20 °C. For lower temperatures, please contact our technical department.

** The conversion may vary depending on the analytics of the incoming water.

*** If the automatic flushing option is chosen, 704 mm must be added to the width of the models: RO-B140-HP, RO-B240-HP, RO-B340-HP and RO-B440-HP

NOTE: All B-HP series osmosis systems require adequate pre-treatment, which will depend on the origin and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary.

SKID PRETREATMENT
HIDRO-PRETREAT SERIES

HIDRO-PRETREAT series pretreatment skids are the perfect solution for physically and chemically conditioning the water fed to B series osmosis systems, efficiently and effectively protecting their membranes. HIDRO-PRETREAT series skids are designed to be easily assembled with B series osmosis systems through simple hydraulic and electrical interconnections.

The pretreatment equipment will be installed on a 304 stainless steel structure, except for the dosing tanks.

The choice of the appropriate HIDRO-PRETREAT skid will depend on the type of water to be treated and the B series osmosis model selected.

REQUIREMENTS

- Electrical voltage: 220 – 240 VAC – 50 Hz
 - Supply pressure: 3 – 5 Bar
 - Working temperature: 10 – 35°C
 - Turbidity:
 - < 5 NTU for tap water
 - < 10 NTU for well water
- Aluminum: < 0.05 mg/L
 - Iron: 0 mg/L
 - Manganese: 0 mg/L

TAP WATER

CODE	MODEL	PRE-FILTER	WATER SOFTENER*	DECLORINATOR**	SUITABLE FOR:
PRO-1002-01	HIDRO-PRETREATED-SOFT01	NW 25	TWIN 40X2	50 L	RO-B140-LP/MP
PRO-1002-02	HIDRO-PRETREATED-SOFT02	NW 25	TWIN 60X2	80 L	RO-B240-LP/MP
PRO-1002-03	HIDRO-PRETREATED-SOFT03	NW 25	TWIN 80X2	80 L	RO-B340-LP/MP

CODE	MODEL	PRE-FILTER	DECLORADOR**	CHEMICALS	SUITABLE FOR:
PRO-1004-01	HIDRO-PRETREAT-CHEM01	NW 25	50 L	2 x PVDF2 2 x DEP100 L	RO-B140-LP/MP
PRO-1004-02	HIDRO-PRETREAT-CHEM02	NW 25	80 L	2 x PVDF2 2 x DEP100 L	RO-B240-LP/MP RO-B340-LP/MP
PRO-1004-03	HIDRO-PRETREAT-CHEM03	NW 25	125 L	2 x PVDF2 2 x DEP100 L	RO-B440-LP/MP RO-B640-LP/MP
PRO-1004-04	HIDRO-PRETREAT-CHEM04	NW 32	170 L	2 x PVDF2 2 x DEP100 L	RO-B940-LP/MP
PRO-1004-05	HIDRO-PRETREAT-CHEM05	NW 32	200 L	2 x PVDF2 2 x DEP100 L	ROB-1240-LP/MP

CODE	MODEL	TURBIDEX	DETECTION CHLORINE	CHEMICALS	SUITABLE FOR:
PRO-1004-06	HIDRO-PRETREAT-CHEM06	18"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200L	RO-B280-LP/MP
PRO-1004-07	HIDRO-PRETREAT-CHEM07	21"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200L	RO-B380-LP/MP
PRO-1004-08	HIDRO-PRETREAT-CHEM08	24"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200L	RO-B480-LP/MP
PRO-1004-09	HIDRO-PRETREAT-CHEM09	30"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200L	RO-B680-LP/MP RO-B980-LP/MP

* The water softener design is based on the assumption of a raw water hardness of 50°F.
** The dechlorinator design has been carried out assuming a free chlorine concentration in raw water of less than 1 mg/l.
NOTE: Depending on the analysis of the raw water, it may be necessary to complete the HIDRO-PRETREAT skids with some other auxiliary pretreatment; to confirm the correct choice of the HIDRO-PRETREAT skids, contact our technical department for a complete analysis of the water.



CHLORINATED WELL WATER

CODE	MODEL	TURBIDEX	WATER SOFTENER*	DECLORINATOR**	SUITABLE FOR:
PRO-1002-04	HIDRO-PRETREATED-SOFT04	10"	TWIN40X2	50 L	RO-B140-LP/MP
PRO-1002-05	HIDRO-PRETREATED-SOFT05	13"	TWIN60X2	80 L	RO-B240-LP/MP
PRO-1002-06	HIDRO-PRETREATED-SOFT06	13"	TWIN80X2	80 L	RO-B340-LP/MP

CODE	MODEL	TURBIDEX	DECLORINATOR**	CHEMICALS	SUITABLE FOR:
PRO-1004-10	HIDRO-PRETREATED-CHEM10	10"	50 L	2 x PVDF2 2 x DEP100 L	RO-B140-LP/MP/HP
PRO-1004-11	HIDRO-PRETREAT-CHEM11	13"	80 L	2 x PVDF2 2 x DEP100 L	RO-B240-LP/MP/HP RO-B340-LP/MP/HP
PRO-1004-12	HIDRO-PRETREAT-CHEM12	13"	125 L	2 x PVDF2 2 x DEP100 L	RO-B440-LP/MP/HP
PRO-1004-13	HIDRO-PRETREATED-CHEM13	16"	125 L	2 x PVDF2 2 x DEP100 L	RO-B640-LP/MP/HP
PRO-1004-14	HIDRO-PRETREATED-CHEM14	18"	170 L	2 x PVDF2 2 x DEP100 L	RO-B940-LP/MP/HP
PRO-1004-15	HIDRO-PRETREATED-CHEM15	18"	200 L	2 x PVDF2 2 x DEP100 L	RO-B1240-LP/MP/HP

CODE	MODEL	TURBIDEX	CHLORINE DETECTION	CHEMICALS	SUITABLE FOR:
PRO-1004-06	HIDRO-PRETREAT-CHEM06	18"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200 L	RO-B280-LP/MP/HP
PRO-1004-07	HIDRO-PRETREAT-CHEM07	21"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200 L	RO-B380-LP/MP/HP
PRO-1004-08	HIDRO-PRETREAT-CHEM08	24"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200 L	RO-B480-LP/MP/HP
PRO-1004-09	HIDRO-PRETREAT-CHEM09	30"	REDOX INSTRUMENT	2 x PVDF2 2 x DEP200 L	RO-B680-LP/MP/HP RO-B980-LP/MP/HP

WELL WATER WITHOUT CHLORINE

CODE	MODEL	TURBIDEX	WATER SOFTENER*	SUITABLE FOR:
PRO-1002-07	HIDRO-PRETREATED-SOFT07	10"	TWIN40X2	RO-B140-LP/MP
PRO-1002-08	HIDRO-PRETREAT-SOFT08	13"	TWIN60X2	RO-B240-LP/MP
PRO-1002-09	HIDRO-PRETREATED-SOFT09	13"	TWIN80X2	RO-B340-LP/MP

CODE	MODEL	TURBIDEX	CHEMICALS	SUITABLE FOR:
PRO-1004-16	HIDRO-PRETREATED-CHEM16	10"	2 x PVDF2 + 2 x DEP100 L	RO-B140-LP/MP/HP
PRO-1004-17	HIDRO-PRETREAT-CHEM17	13"	2 x PVDF2 + 2 x DEP100 L	RO-B240-LP/MP/HP RO-B340-LP/MP/HP RO-B440-LP/MP/HP
PRO-1004-18	HIDRO-PRETREAT-CHEM18	16"	2 x PVDF2 + 2 x DEP100 L	RO-B640-LP/MP/HP
PRO-1004-19	HIDRO-PRETREAT-CHEM19	18"	2 x PVDF2 + 2 x DEP100 L	RO-B940-LP/MP/HP RO-B1240-LP/MP/HP
PRO-1004-20	HIDRO-PRETREAT-CHEM20	18"	2 x PVDF2 + 2 x DEP200 L	RO-B280-LP/MP/HP
PRO-1004-21	HIDRO-PRETREATED-CHEM21	21"	2 x PVDF2 + 2 x DEP200 L	RO-B380-LP/MP/HP
PRO-1004-22	HIDRO-PRETREATED-CHEM22	24"	2 x PVDF2 + 2 x DEP200 L	RO-B480-LP/MP/HP
PRO-1004-23	HIDRO-PRETREAT-CHEM23	30"	2 x PVDF2 + 2 x DEP200 L	RO-B680-LP/MP/HP RO-B980-LP/MP/HP

* The water softener design is based on the assumption of a raw water hardness of 50°F.
** The dechlorinator design has been carried out assuming a free chlorine concentration in raw water of less than 1 mg/L.
NOTE: Depending on the analysis of the raw water, it may be necessary to complete the HIDRO-PRETREAT skids with some other auxiliary pretreatment; to confirm the correct choice of the HIDRO-PRETREAT skids, contact our technical department for a complete analysis of the water.



RO-C SERIES

The RO-C series osmosis systems are medium and high production equipment for low salinity water designed for use in purification applications, service water and especially for industrial processes.

The RO-C series osmosis systems output ranges from 8.000 L/h to 28.000 L/h. For higher flow rates, please consult.



MAIN COMPONENTS

- 1. 5 micron microfiltration
- 2. Minimum pressure switch
- 3. Maximum pressure switch
- 4. Vertical centrifugal high pressure pump in 316 stainless steel
- 5. 8" reverse osmosis membrane depending on the selected model
- 6. Pneumatic automatic butterfly valve type *wafer* at the entrance
- 7. 316 Stainless Steel Pneumatic Automatic Flushing Ball Valve
- 8. Microfiltration inlet pressure gauge
- 9. Microfiltration salt pressure gauge
- 10. Pump pressure gauge
- 11. Interstage pressure gauge
- 12. Rejection pressure gauge
- 13. Back pressure gauge
- 14. Permeate flowmeter
- 15. Rejection flowmeter
- 16. Recirculation flow meter (depending on model)
- 17. Conductivity meter on permeate line
- 18. Rejection regulating punch valve
- 19. Recirculation regulating punch valve (depending on model)
- 20. PLC HW programmable controller
- 21. Flushing / CIP tank
- 22. Protected carbon steel structure.

VERSIONS

- **ST** : with soft starter for high pressure pump control
- **ST+** : with speed variator for control high pressure pump
- **LS**: - with speed variator for control high pressure pump
 - digital flow meter
- **LX** : - with speed variator for control high pressure pump
 - digital flow meter
 - pressure transmitters
 - GRUNDFOSS bomb
 - PLC SIEMENS

REQUIREMENTS

- Electrical voltage: 380 - 400 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Design temperature: 20°C
- Maximum input TDS: 2.000 ppm
- The equipment requires compressed air supply for its operation.

OPTIONS

- Mixing system
- Raw water conductivity meter
- Raw water Redox potential meter
- Raw water pH meter
- SIEMENS PLC for ST, ST+ and LS versions
- GRUNDFOSS pump in ST, ST+ and LS versions
- 304 stainless steel structure

HIGH SALT REJECTION MEMBRANE

MODEL	PRODUCTION		FEEDING	RECOVERY*	MEMBRANES		POWER	DIMENSIONS (mm)		
	L/h	m³/d	L/H	%	TYPE	Nº	kW	LONG	DEPTH	HIGH
RO-C980-HR	8.000	192	10.700	75	8040	9	11	4.000	1.400	2.300
RO-C1280-HR	11.000	264	14.700	75	8040	12	15	5.000	1.400	2.300
RO-C1580-HR	14.000	336	18.700	75	8040	15	15	6.000	1.400	2.300
RO-C1880-HR	17.000	408	22.700	75	8040	18	18,5	7.000	1.500	2.300
RO-C2580-HR	23.000	552	30.700	75	8040	25	22	6.000	1.900	2.300
RO-C3080-HR	28.000	672	37.333	75	8040	30	30	7.000	1.900	2.300
RO-C3680-HR	34.000	816	45.333	75	8040	36	37	7.000	1.900	2.300

LOW PRESSURE MEMBRANE

MODEL	PRODUCTION		FEEDING	RECOVERY*	MEMBRANES		POWER	DIMENSIONS (mm)		
	L/ h	m³/d	L/ h	%	TYPE	Nº	kW	LONG	DEPTH	HIGH
RO-C980-LE	8.000	192	10.700	75	8040	9	11	4.000	1.400	2.300
RO-C1280-LE	11.000	264	14.700	75	8040	12	11	5.000	1.400	2.300
RO-C1580-LE	14.000	336	18.700	75	8040	15	11	6.000	1.400	2.300
RO-C1880-LE	17.000	408	22.700	75	8040	18	15	7.000	1.500	2.300
RO-C2580-LE	23.000	552	30.700	75	8040	25	18,5	6.000	1.900	2.300
RO-C3080-LE	28.000	672	37.333	75	8040	30	22	7.000	1.900	2.300
RO-C3680-LE	34.000	816	45.333	75	8040	36	30	7.000	1.900	2.300

LOW PRESSURE AND HIGH PRODUCTION MEMBRANE

MODEL	PRODUCTION		FEEDING	RECOVERY*	MEMBRANES		POWER	DIMENSIONS (mm)		
	L/ h	m³/d	L/ h	%	TYPE	Nº	kW	LONG	DEPTH	HIGH
RO-C980-LEHF	9.000	216	12.000	75	8040	9	11	4.000	1.400	2.300
RO-C1280-LEHF	12.000	288	16.000	75	8040	12	11	5.000	1.400	2.300
RO-C1580-LEHF	15.000	360	20.000	75	8040	15	15	6.000	1.400	2.300
RO-C1880-LEHF	18.000	432	24.000	75	8040	18	18,5	7.000	1.500	2.300
RO-C2580-LEHF	25.000	600	33.333	75	8040	25	22	6.000	1.900	2.300
RO-C3080-LEHF	30.000	720	40.000	75	8040	30	30	7.000	1.900	2.300
RO-C3680-LEHF	36.000	864	48.000	75	8040	36	30	7.000	1.900	2.300

OPTIONS

CODE	MODEL
OP-0404-20	Mixing system option
OP-0404-18	Raw water CD meter option
OP-0404-12	Raw water redox meter option
OP-0404-14	Raw water pH meter option
OP-0404-50	SIEMENS PLC option for ST, ST+ and LS versions
OP-0404-52	Option structure in 304 stainless steel
OP-0404-54	GRUNDFOSS pump option for ST, ST+ and LS versions

All RO-C Series osmosis systems require adequate pretreatment, which will depend on the origin and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary. For water with a TDS greater than 2000 ppm and/or higher production flows, contact our technical department.

* Conversion may vary depending on the analysis of the incoming water.
For higher production flow rates and/or salinities, please consult our technical department.

SERIE RO-SW4

SEA WATER DESALINATION



RO-SW4 SERIES OSMOSIS

RO-SW4 reverse osmosis systems are highly efficient for the desalination of seawater, guaranteeing a final product with a salinity of less than 500 ppm, making it suitable for many uses.

These units are manufactured with high quality components and materials, ensuring durability and easy maintenance, which prolongs their useful life.

Furthermore, the production capacity of these systems is quite flexible, varying from 220 liters per hour to 1200 liters per hour, thus adapting to various desalinated water supply needs.

RO-SW4 SERIES OSMOSIS

INDUSTRIAL OSMOSIS

MAIN COMPONENTS

- 1. 1 micron microfiltration.
- 2. Motorized PVC inlet valve.
- 3. Minimum pressure switch.
- 4. Maximum pressure switch.
- 5. CAT high pressure pump.
- 6. Permeate and rejection flowmeter.
- 7. Regulating valve in 316 stainless steel.
- 8. Pressure gauges in 316 stainless steel (Microfiltration inlet, microfiltration outlet, pump pressure and rejection pressure).
- 9. Motorized drag valve in 316 stainless steel.
- 10. 1000 psi End-port PRFV membrane holders.
- 11. High salt rejection seawater membranes.
- 12. Electrical panel with PLC HW.
- 13. Permeate conductivity meter.
- 14. Structure in 304 stainless steel.
- 15. Low pressure collectors made of PVC PN16
- 16. High pressure manifolds built with high pressure hoses and superduplex stainless steel.

REQUIREMENTS

- TDS water supply: ≤ 36.000 mg/l
- Design temperature: 18°C
- Working pressure: 49 – 60 bars
- Inlet pressure: 3-4 bar
- Salt rejection: 98 – 99 %
- Working temperature: 10 – 30 °C
- Power supply: 380 - 400 VAC - 50 Hz

OPTIONS

- Flushing system
- Conductivity meter for raw water
- Raw water redox meter
- Raw water pH meter

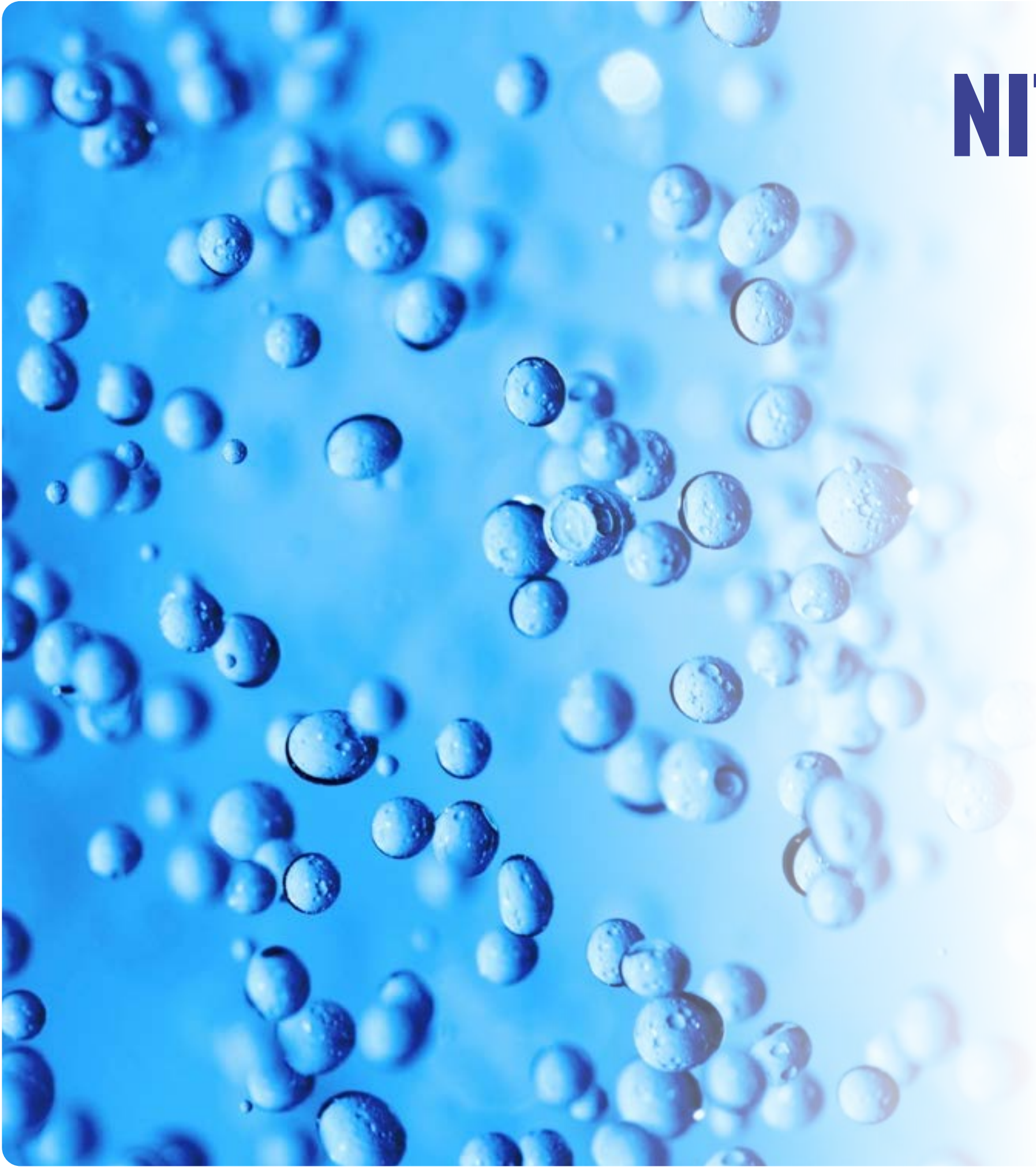
CODE	MODEL	PRODUCTION		MEMBRANE	PUMP TYPE (Kw)	RECOVERY (%)	DIMENSIONS (mm)		
		L/h**	m³/d				LONG	DEPTH	HIGH
RO-0804-02	RO-SW240	220	5,28	2x4040	2,2	24	1010*	815	1830
RO-0804-03	RO-SW340	330	7,92	3x4040	2,2	32	1010*	815	1830
RO-0804-04	RO-SW440	440	10,56	4x4040	3	38	1010*	815	1830
RO-0804-06	RO-SW640	660	15,84	6x4040	3	45	3680	1012	1980
RO-0804-12	RO-SW1240	1200	28,80	12x4040	7,5	45	3680	1012	1980
OP-0404-32	Automatic flushing 200 L and 0.75 Kw flushing pump: RO-SW240, RO-SW340, RO-SW440 and RO-SW640								
OP-0404-34	Automatic flushing 300 L and 1.1 Kw flushing pump: RO-SW1240								
OP-0404-12	Raw water redox meter option								
OP-0404-14	Raw water pH meter option								
OP-0404-08	Conductivity meter option on the raw water line								

*If the automatic flushing and flushing pump option is chosen, 950 mm must be added to the length of the equipment.
** Design flow rates are for beach well intake. If the type of intake is different, please consult our technical department.

FOR OTHER DESIGN CONDITIONS AND/OR SPECIFICATIONS, CONSULT OUR TECHNICAL DEPARTMENT.

NOTE: All RO-SW4 series osmosis systems require adequate pre-treatment, which will depend on the type of intake and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary.





NITRATE REMOVAL DEMINERALIZERS

	COMPACT NITRATE REMOVAL	198
	BIBLOC NITRATE REMOVAL	199
	AUTOMATIC DEMINERALIZER	200
	MIXED BED DEMINERALIZER	201



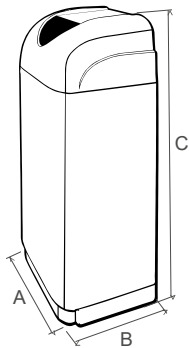
COMPACT NITRATE REMOVAL SYSTEM

Automatic equipment for removing nitrates from water using ion exchange resins, for the protection of installations and equipment in collective and industrial uses of small and medium flow.

Clack volume valve WS1Ci DF with digital programmer and retarded regeneration.

During washing, the supply of water containing nitrates is not interrupted.

Optionally, the supply can be cut off during regeneration using the NWBP Clack shut-off valve.



- Compact vessel with 8 and 30 litre resin
- GRP vessel reinforced in polyester (PRFV)
- Turbine for controlling the volume of treated water
- 1" Connection
- Loaded with food grade resin of high capacity with high performance
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 35°C
- Power supply: 220v - 12v 50Hz or 60Hz
- It is essential to check with our technical department before choosing the appropriate equipment.

CODE	DIMENSIONS (mm)		
	A	B	C
EN-3200-01	320	500	670
EN-3200-05	320	500	1140

CODE	MODEL	MAX FLOW (m³/h)	SALT CONSUMPTION (Kg)	CABINET
EN-3200-01	ENV - 8L	0.3	1,6	Crystal
EN-3200-05	ENV - 30L	1.2	6	Crystal
VA-3002-12	NWBP Clack shut-off valve			



BIBLOC NITRATE REMOVAL SYSTEM

Automatic statistical volumetric equipment for the removal of nitrates in water, using ion exchange resins. Suitable for private, collective, industrial and municipal use.

During the backwash, the supply of raw water is not interrupted. Optionally, a motorized valve can be installed to cut off the supply during regeneration.

- Clack control valve with 1", 1" ¼, 1" ½, 2" and 3" connections
- Possibility of connecting up to 16 devices in different work configurations
- Bottle constructed with high-density polyethylene (HDPE) capsule wound with polyester filled with fiberglass (PLGF)
- Regenerant solution tank made of HDPE polyethylene. Equipped with chimney and suction tube with air control (AIRCHECK).
- Selective anionic resin charge for the removal of Nitrates, for food use and high capacity for high performance exchange.
- Working pressure from 2.5 to 6 Bars
- Maximum temperature of 40°C
- Power supply 200 ~ 240 Vac / 50 ~ 60 Hz
- It is advisable to consult with the technical department for the most suitable equipment.

CODE	MODEL	CONN.	RESIN	MAXIMUM FLOW RATE (m³/h)	SALT INTAKE (Kg)	BRINE TANK (L)
EN-3202-02	DESNO3. RMV-15L WS1Ci	1"	15	0,6	3	100
EN-3202-04	DESNO3. RMV-30L WS1Ci	1"	30	1,2	6	100
EN-3202-05	DESNO3. RMV-50L WS1Ci	1"	50	2	10	150
EN-3202-15	DESNO3. RMV-60L WS1Ci	1"	60	2,4	12	150
EN-3202-06	DESNO3. RMV-80L WS1Ci	1"	80	3,2	16	200
EN-3202-08	DESNO3. RMV-125L WS1Ci	1"	125	5	25	200
EN-3203-10	RIGHT3. RMV-170L WS1.25Ci	1" ¼	170	6,8	34	300
EN-3204-04	DESNO3. RMV-200L WS1.5Ci	1" ½	200	8	40	500
EN-3204-12	DESNO3. RMV-225L WS1.5Ci	1" ½	225	9	45	500
EN-3204-06	DESNO3. RMV-300L WS1.5Ci	1" ½	300	12	60	500
EN-3206-14	DESNO3. RMV-350L WS2Ci	2"	350	14	70	1000
EN-3206-15	DESNO3. RMV-500L WS2Ci	2"	500	20	100	1000
EN-3208-05	DESNO3. RMV-750L WS2H	2"	750	28	150	1500
EN-3210-07	DESNO3. RMV-1000L WS3H	3"	1000	40	200	2000
EN-3210-08	DESNO3. RMV-1200L WS3H	3"	1200	48	240	2000
EN-3210-10	DESNO3. RMV-1600L WS3H	3"	1600	56	320	3000
EN-3210-12	DESNO3. RMV-2250L WS3H	3"	2250	56	450	3000

To consult measurements, see equivalent softener models: Clack 2 Bodies

- Includes NW filter
- Bottles made of fiberglass reinforced polyester (PRFV)
- 2 Polyethylene (PE) tanks for regenerant accumulation (HCl and NaOH)
- Structure in SS304 stainless steel
- It includes a rotameter and conductivity probe at the outlet.
- Includes service and drain solenoid valves
- Ion exchange resin charges (strong cationic and strong anionic).
- PLC HW programmable logic controller
- Pneumatic box with solenoid valves for actuation and control of the valves
- 2 Diaphragm valves on the regenerant suction
- Minimum alarm pressure switch for low compressed air pressure
- Pressure reducer for regulating compressed air inlet pressure
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 35°C
- Electrical voltage: 220V-12V 50 Hz
- The equipment requires compressed air supply for its operation.

AUTOMATIC DEMINERALIZERS

Automatic water demineralization equipment using ion exchange resins, for the production of demineralized water in industrial applications.

Multi-way valve with programmable controller and conductivity meter.



CODE	LOAD		CONN..	VOLUME* (m³)		
	CATION	ANION		500ppm**	1000ppm**	1500ppm**
DI-0202-02	25	30	1"	2,7	1,3	0,9
DI-0202-03	40	50	1"	4,5	2,2	1,5
DI-0202-04	60	75	1"	7	3,5	2,3
DI-0202-05	75	100	1"	9	4,5	3
DI-0202-06	100	125	1"	11	5,5	3,6
DI-0202-07	125	175	1"	16	8	5,3
DI-0202-08	150	200	1"	18	9	6
DI-0206-03	250	325	1 1/2"	29	14,5	9,6
DI-0206-04	375	500	1 1/2"	46	23	15,3
BO-9002-02	Compressed air compressor					

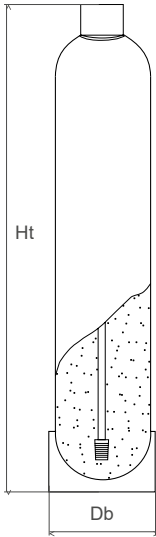
*The indicated volumes may vary depending on the analysis of the water to be treated, the dissolved CO2, as well as the final needs of the client, which will determine whether the strong anionic resin to be used should be Type I or Type II.

** ppm values refer to ppm of total CaCO3 (cations + anions)

DEMINERALIZERS MIXED BED

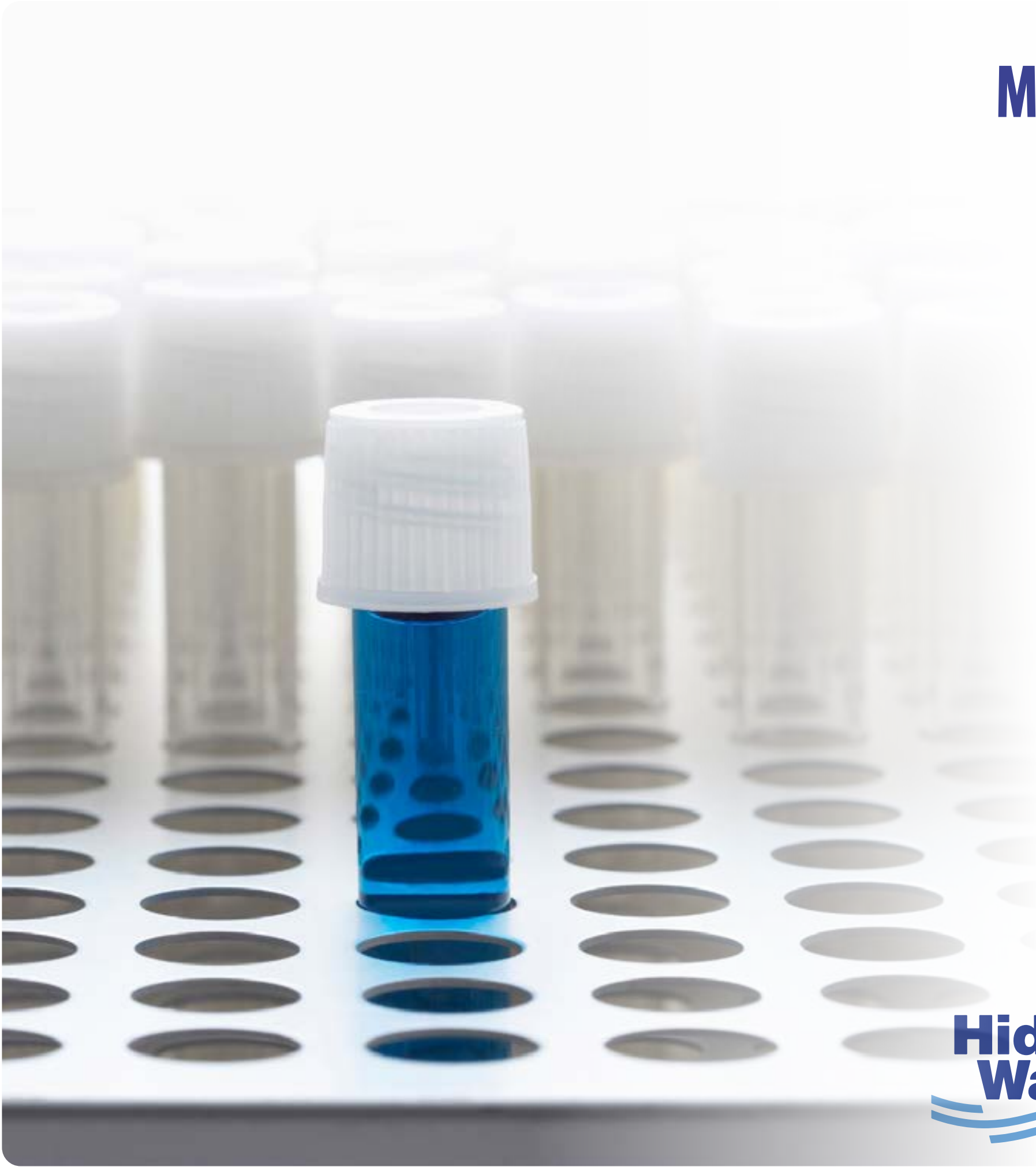
Water demineralization equipment using mixed bed resins, for the production of high purity demineralized water in industrial applications.

- Bottle made of fiberglass reinforced polyester (PRFV)
- Non-regenerative equipment. Once the exchange capacity is exhausted, the resin charge must be replaced.
- Input/output connection: 1"
- Working pressure: 2.5 to 6 Bar
- Maximum temperature: 35°C



CODE	DIMENSIONS (mm)	
	Db	Ht
DI-1002-02	206	478
DI-1002-03	182	810
DI-1002-04	206	944
DI-1002-05	257	942
DI-1002-06	257	1432

CODE	LOAD	VOLUME (m³)		
		20ppm	50ppm	100ppm
DI-1002-02	10	15,0	6,0	3,0
DI-1002-03	15	22,5	9,0	4,5
DI-1002-04	25	37,5	15	7,5
DI-1002-05	35	52,5	21	10,5
DI-1002-06	50	75,0	30	15,0



MEASURAMENT & CONTROL

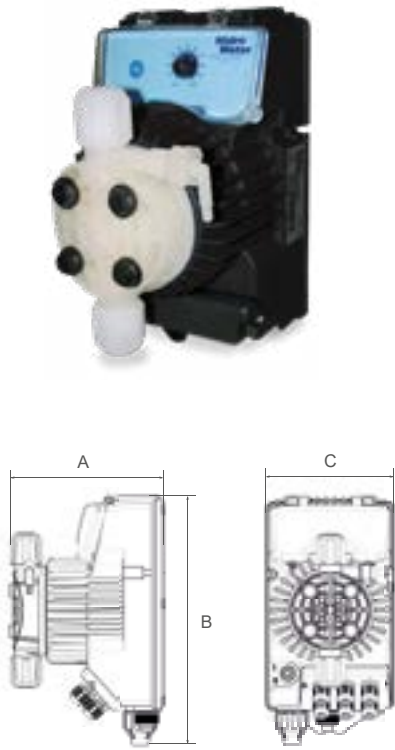
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HW PVDF2 DOSING PUMP

Analogue dosing pump with manually adjustable constant flow rate.

- Housing made of fiberglass-reinforced polypropylene. IP65 protection Degree
- Pump head: PVDF
- Membrana: PTFE
- Two frequency ranges: 0-20% and 0-100% of maximum flow rate control
- Frequency: 160 pulses per minute
- LED injection indicator for control frequencies
- Wall mounting
- Includes standard installation kit with foot valve in PVDF-T
- Injection valve.
- PVC suction pipe; PE delivery pipe (4/6Ø)
- Ceramic ball valve
- Purga manual
- Working temperature: 0 to 45°C
- Electrical voltage: 100...240VAC 50/60 Hz
- Power consumption 28 W (max.)



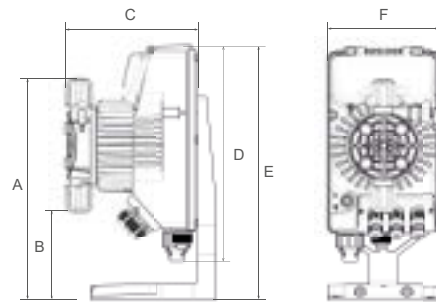
CODE	DIMENSIONS (mm)		
	A	B	C
DO-2002-02	144,1	233,2	119

CODE	MODEL	FLOW	PRESSURE
DO-2002-02	PVDF2 603	5 L/h	10 Bar
DO-2002-06	PVDF2 800	10 L/h	10 Bar
TU-0602-07	Tubing PE 6x4mm translucent (25 of 300m)		
DO-2002-50	Tank mounting bracket		

DIGITAL HW PVDF2 DOSING PUMP

Multifunction digital dosing pump: proportional volumetric by pulse counter, 0/4...20mA input, BATH function, timer, manual mode.

- Housing made of fiberglass-reinforced polypropylene. IP65 protection degree
- Pump head: PVDF
- Membrana: PTFE
- Display of operating mode and status information
- Automatic and manual calibration for maximum dosing accuracy
- 0/4...20mA input
- Bath function, ppm function, 1xn, 1n⁻¹ , timed
- Injection and alarm LED indicator
- Tank level input, remote Start-Stop, flow sensor and alarm relay output
- Wall or tank mounting
- Includes standard installation kit with foot valve in PVDF-T
- Injection valve.
- PVC suction pipe; PE delivery pipe (4/6Ø)
- Ceramic ball valve
- Purga manual
- Working temperature: 0 to 45°C
- Electrical voltage: 100...240VAC 50/60 Hz
- Power consumption 18 W (max.)



CODE	DIMENSIONS (mm)					
	A	B	C	D	AND	F
DO-2004-02	239,8	96,4	144,1	233,2	274,9	119
DO-2004-03	239,8	96,4	144,1	233,2	274,9	119

CODE	MODEL	FLOW	PRESSURE
DO-2004-02	PVDF2 DIGITAL 603	5 L/h	10 Bar
DO-2004-03	PVDF2 DIGITAL 600	3 L/h	18 Bar
DO-2004-50	Minimum level probe		
DO-2004-52	Level probe connector		
TU-0602-07	Tubing PE 6x4mm translucent (25 of 300m)		

PULSE EMITTER WATER METER

DEPENDING ON YOUR CONNECTION, THERE ARE 2 TYPES:

THREAD

- Body in brass
- Supplied with nut and male fitting
- Perfectly sealed watchmaking
- Magnetic transmission
- Suitable for cold water
- CE approved B class



CODE	CALIBER		CONNECTION	LENGTH (mm)	NOMINAL FLOW (m³/h)	MINIMUM FLOW RATE (L/h)	Nº PULSES
	mm	INCHES					
CO-0402-00	15	½"	Thread	190	1,5	30	4 imp/L
CO-0402-01	20	¾"	Thread	228	2,5	50	4 imp/L
CO-0402-02	25	1"	Thread	260	3,5	70	4 imp/L
CO-0402-03	25	1"	Thread	260	3,5	70	1 imp/1L
CO-0402-04	30	1 ¼"	Thread	280	5	100	4 imp/L
CO-0402-14	30	1 ¼"	Thread	280	5	100	1 imp/L
CO-0402-05	40	1 ½"	Thread	340	10	200	1 imp/L
CO-0402-15	40	1 ½"	Thread	340	10	200	1 imp/100L
CO-0402-06	50	2"	Thread	450	15	300	1 imp/10L
CO-0402-16	50	2"	Thread	450	15	300	1 imp/100L

FLANGES

- Brass body
- Supplied without flanges
- They guarantee the highest degree of sensitivity, precision and resistance.
- Head made of very hard materials to offer maximum protection
- Suitable for cold water

CODE	CALIBER		CONNECTION	LENGTH (mm)	NOMINAL FLOW (m³/h)	MINIMUM FLOW (L/h)	Nº PULSES
	mm	INCHES					
CO-0402-10	50	2"	Bridles	170	15	1200	1 imp/1000L
CO-0402-11	70	2 ½"	Bridles	200	35	2000	1 imp/1000L
CO-0402-12	80	3"	Bridles	200	50	2500	1 imp/1000L
CO-0402-13	100	4"	Bridles	250	75	3600	1 imp/1000L
CO-0402-17	125	5"	Bridles	300	125	4500	1 imp/1000L
CO-0402-18	150	6"	Bridles	300	150	5000	1 imp/1000L

For other configurations in the number of pulses / L, consult our technical department.



DD DOSING TANKS

Monobloc, rotationally moulded tank made of high-density linear polyethylene with anti-ultraviolet additives. Food grade.

- Specially designed for water treatment and its incorporation into mixing and dosing systems.
- Cylindrical shape with flat bottom.
- Tank opening tilt for maximum comfort during filling.
- Upper mouth provided with Ø226 mm threaded cap
- Possibility of incorporating a retention basin to guarantee absolute watertightness.
- Translucent white colour with volume scale, to see the filling level at all times. Other colours, please consult*.
- Maximum conditions of use in polyethylene tanks: temperature <40° C, density <1.5 Kg/L

UTILIZATION

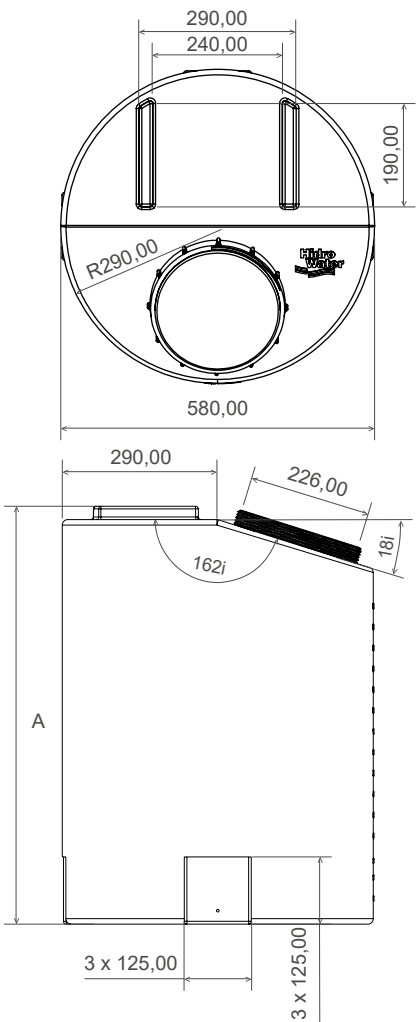
- The DD15 and DD25 cylindrical tanks are designed to allow the coupling of a dosing pump. Equipped with a wide upper bridge for the positioning/fixing of pumps, agitators, etc.
- Suitable for food and chemical products
- For chemical products, consult compatibility with our technical office.
- 3 flat parts on the bottom to place a tank outlet

INSTALLATION

- Surface exclusive: the base where the tank is to be placed must be flat and free of impurities or edges that could damage the polyethylene.

OPTIONAL

- Assembly of 1/2" and 1" PVC ball valves (with EPDM seals, consult other materials)
- Dosing pump assembly
- Agitator assembly



Dosing assembly and agitator assembly



CODE	MODEL	VOL. (L)	Ø (mm)	HEIGHT A (mm)	Ø MOUTH (mm)
DE-0212-150	DD15 tank	150	580	779	226
DE-0212-250	DD25 deposit	250	580	1125	226
DO-2002-60	1/2" ball valve assembly				
DO-2002-62	Dosing pump assembly				
DO-2002-64	Agitator assembly				
DO-2002-66	PVC support plate + plastic screws				

* Other colors on request



ACCESSORIES DOSAGE DOSING TANKS

Cylindrical tank with screw cap for storing chemicals

- Made of linear polyethylene with anti-UV additives, food grade
- Upper area reinforced by ribs that gives it great rigidity for the mounting of agitators and dosing pumps
- Vertical starters to improve the mix
- Liquid level indicators

CODE	VOLUME (L)	DIAMETER (mm)	HEIGHT (mm)
DE-0206-01	50	390	530
DE-0206-02	120	510	730
DE-0206-03	230	570	900
DE-0206-04	300	610	1190
DE-0206-05	500	760	1180
DE-0206-06	1000	1100	1360

AGITATORS FOR DOSING SYSTEMS

Motorized agitators for mixing the product in dosing tanks.

- Made of PP (on request, possibility of manufacturing in PVDF)
- High speed models with three-phase motors. Low speed models on request.

CODE	MODEL	CONSUMPTION	TANK (L)
DO-7802-01	Agitator 600/III	1/6CV-1.2/0.7A	100
DO-7802-02	Agitator 800/III	1/6CV 1,2/0,7A	200
DO-7802-03	Shaker 1000/III	1/3CV 1,9/1,1A	300-500
DO-7802-04	Agitator 1200/III	1/3CV 1,9/1,1A	1000

HW STATIC MIXER

Mixture of chemicals for water treatment. pH control. Chlorination and ozonation . Process control sampling

CODE	MODEL	DIAMETER	CAPACITY (m³/h)
TU-1069-02	DN15 mixer	20 mm	0.4-1
TU-1069-04	Mixer DN20	25 mm	0.6-1.8
TU-1069-06	Mixer DN25	32 mm	1-3.2
TU-1069-08	Mixer DN32	40 mm	1.4-6
TU-1069-10	Mixer DN40	50 mm	2.2-10
TU-1069-12	Mixer DN50	63 mm	3.5-18
TU-1069-14	Mixer DN65	75 mm	10-30
TU-1069-16	Mixer DN80	DN80	15-45
TU-1069-18	Mixer DN100	DN100	30-70

RETENTION TRAYS

CODE	MODEL
DE-4002-02	112 L retention tank 2 compartments 1410 x 760 x 140mm
DE-4002-04	240 L retention tank 2 compartments 1400 x 760 x 380mm
DE-0207-02	120L tank + bucket
DE-0207-04	200L tank + bucket
DE-0207-06	300L tank + bucket
DE-0207-07	500L tank + bucket
DE-0207-08	1000L tank + bucket

EQUIPMENT FOR LEGIONELLA CONTROL AND PREVENTION

Legionella pneumophila, commonly known as Legionella, is a dangerous bacterium that can cause serious respiratory illnesses such as legionellosis, a severe form of pneumonia, and Pontiac fever.

This bacterium is found naturally in aquatic environments such as lakes, rivers and ponds, but becomes a significant threat in artificial systems that encourage its proliferation.

Places such as cooling towers, hot water systems, jacuzzis and spas provide ideal conditions: temperatures between 20 and 50 °C, stagnant water and the presence of sediments or biofilm that serve as a refuge.



Legionella is transmitted mainly through contaminated aerosols generated in these systems, representing a considerable public health risk, especially in hospitals, hotels, gyms and other public facilities.

Control and prevention are essential to comply with water quality regulations and ensure user safety.



In this context, **Hidro-Water** offers advanced technologies for the control and prevention of legionella, complying with strict regulations such as **RD 614/2024 and RD 3/2023** on the quality of water for human consumption. Filtration equipment such as the **EASY MAX SILVER self-cleaning filter**, or the **DIDO SILVER self-cleaning filter** They use cartridges with silver mesh to obtain a 50 micron filtration and thus prevent the passage of legionella into the water circuit.

CONTROL PANELS
COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Panels with instrumentation and probes for measuring the parameters:

- Chlorine
- pH
- Temperature
- Conductivity
- Turbidity

All measuring units have output relays, 4-20 mA outputs, RS485 MODBUS communication

APPLICATIONS

- Panels can be installed in a wide variety of facilities to obtain permanent control and regulation of free chlorine and pH levels.
- Control is fully automatic and the values obtained are displayed clearly and legibly.
- Programming of limit values through alarms for each of the required parameters.
- Panels have great programming flexibility, allowing them to be used in a wide range of operating conditions.
- Controller continuously measures the element to be regulated using an appropriate probe, ordering the dosing pump to perform an injection or not, depending on the value obtained in the measurement and the limit values set by the operator.



TURB-PAHW CONTROL PANEL
COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Water turbidity measurement panel, ideal for completing existing chlorine and pH measurement equipment, thus complying with regulations.

INCLUDES:

- Control center.
- Turbidity sensor 0-10 NTU or 0-100 NTU programmable.
- Opaque probe holder with flow sensor.



CHLORINE CONTROL PANEL 1
COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Multiparameter panel for measuring and controlling the following parameters:

- Chlorine
- pH
- Temperature
- Conductivity
- Turbidity

Includes electronic control center with touch screen.
Includes 1 Potentiostatics Cl probe.
Programmable Turbidity Control NTU 0-10 or NTU 0-100.



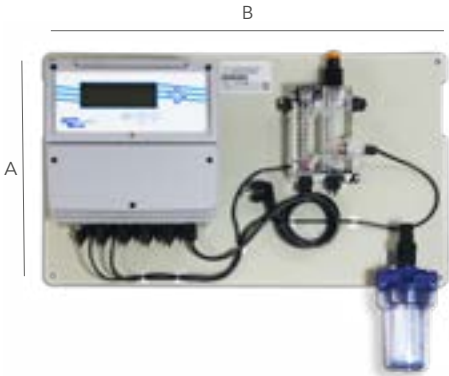
CHLOR-LEG 4 CONTROL PANEL
COMPATIBLE WITH LEGIONELLA 614/2024 R.D.

Multiparameter panel for measuring and controlling the following parameters:

- Chlorine
- pH
- Temperature
- Conductivity
- Turbidity

Includes electronic control center with touch screen.
Includes 1 Photometric Cl probe.
Programmable Turbidity Control NTU 0-10 or NTU 0-100.

CODE	MODEL
IN-5011-100	TURB-PAHW 0-10 NTU control panel
IN-5012-01	CLOR-LEG control panel 1 Cl probe Potentiostatics and control turbidity
IN-5012-04	CLOR-LEG 4 Cl probe control panel Photometrics



CONTROL PANEL

CL₂- pH HW COCLOP

Panel for regulating and controlling the residual level of free chlorine in water treatment plants, pre-mounted on a PVC panel.

INCLUDES

- K800 control center
- IN-2604-04: Cu-Pt amperometric sensor for free Chlorine 0-5 ppm self-cleaning
- IN-2604-06: Potentiostatic membrane sensor for free Chlorine 0-2 ppm F-CL-5
- pH Sensor
- Methacrylate sensor holder
- Manual flow control valve
- Drain faucet and sample collector
- Flow rensor
- RS485 Serial port with MODBUS RTU protocol
- Electrical voltage: 100...240VAC 50/60 Hz
- Sampling valve in reading cell
- Suspended solids retention filter 80 microns, 5"
- Optional Temperature Probe

CODE	DIMENSIONS (mm)	
	A	B
IN-2604-04	430	700
IN-2604-06	420	700

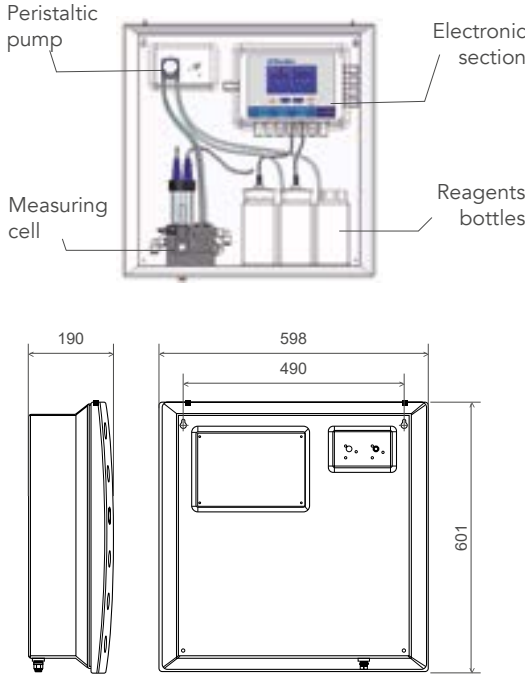
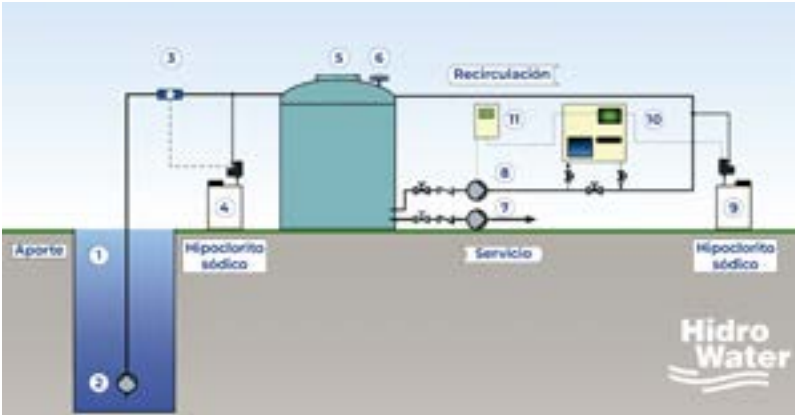
APPLICATIONS

The panels can be installed in a wide variety of installations to obtain permanent control and regulation of free chlorine and pH levels. The control is fully automatic and the values obtained are displayed in a clear and legible manner. Programming of limit values by means of alarms for each of the required parameters. The panels have great programming flexibility, which allows their use in a wide range of operating conditions.

The controller continuously measures the element to be regulated using an appropriate probe, ordering the dosing pump to perform an injection or not, depending on the value obtained in the measurement and the limit values set by the operator.

CODE	MODEL
IN-2604-04	Free chlorine panel (0-5ppm) sensor amperometric (Cu-Pt) and pH
IN-2604-06	Free chlorine panel (0-2ppm) sensor potentiostatic (membrane probe) and pH
IN-7806-07	Temperature sensor for panel
IN-2604-14	WiFi module option Chlorine panel

* Other free chlorine ranges please consult. Available for organic chlorine, ozone, H₂ O₂



PHOTOMETRIC ANALYZER

MULTIPARAMETER CL₂, PH, RX, °C

- Simultaneous measurement of Free Chlorine, pH, Redox and Temperature. Optional: Total Chlorine, Combined Chlorine
- Programming keyboard with 4 raised keys
- Backlit 340 x 128 Graphic LCD Display
- Internal data logger (4 Mbit flash) with the possibility of graphical and tabular display of measurement trends
- PID regulation for pH measuring
- Serial output RS485 MOD BUS RTU
- 1 Programmable Analog Output
- 1 Relay Output (3 Amp) for Instrument Anomaly Alarm
- 2 Relay Outputs (3 Amp) for intervention Set Point for Free Chlorine measurement
- 2 Relay Outputs (3 Amp) for intervention Set Point for pH measurement
- 1 Relay Output (3 Amp) for intervention Set Point for Redox measurement
- 1 Relay Output (3 Amp) Intervention Set Point for measuring: Temperature (if present: Total Chlorine or Combined Chlorine)
- Measuring ranges: Free chlorine: 00.00 ÷ 05.00ppm CL₂ - Resolution:0.01ppm - Accuracy: 1% f. es. (colorimetric method with DPD). pH: 00.00 ÷ 14.00 pH - Resolution: 0.01 pH – Accuracy: 1% f. es. Redox: ± 1500 mV - Resolution: 1 mV – Accuracy: 1% f. es. Temperature: 00.0 ÷ 50.0 °C - Resolution: 0.1°C – Accuracy: 1% f. es.
- Digital input: clean contact for disabling dosages.
- Analog input: 0/4 ÷ 20 mA for auxiliary measurements
- Power supply: 85÷265 Vac 50-60 Hz. – Average absorption 66 W

CODE	MODEL
IN-5006-01	CL ₂ + pH + Temperature photometric analyzer
IN-5006-02	CL ₂ + pH + Rx + Photometric Analyzer Temperature + CLT + CLC
IN-7806-80	DPD1 reagents - 2 bottles
IN-7806-19	DPD1 + DPD3 reagents - 3 bottles

TESTOMAT HARDNESS MEASUREMENT SYSTEM

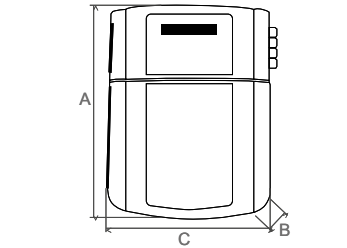
Hardness analyzer, multilingual, easy to install, indication in dH°, °F, ppm CaCO₃, mmol/L, 4...20mA output, 2 adjustable relay outputs, volumetric measurement interval, timed or by remote signal, alarm output.

- Power supply 240V 50-60Hz .
- Consumption 30 W
- IP44
- Temperature 10-40°C
- Integrated SD card
- P. work 1 - 8 bar.
- TÜV certified .
- Reagent not included.

CODE	MODEL
IN-1412-03	EVO TH Testomat hardness measuring equipment

REAGENTS

CODE	°DH	°F	ppm CaCO ₃	mmol / L
IN-0402-23	0,05-0,50	0,09-0,89	0,89-8,93	0,01-0,09
IN-0402-24	0,25-2,50	0,45-4,48	4,47-44,7	0,04-0,45
IN-0402-26	1,0-10,0	1,79-17,9	17,9-179	0,18-1,79
IN-0402-28	2,5-25,0	4,48-44,8	44,8-448	0,45-4,48



CODE	DIMENSIONS (mm)		
	A	B	C
IN-1412-03	459	280	360

SENSORS AND MEASURING ACCESSORIES



Nº	CODE	MODEL
WALL MOUNT MEASUREMENT INSTRUMENTS 144x144x90, Power supply 100...240 VAC 50/60Hz, backlit LCD display, 0/4..20mA outputs, relay outputs		
	IN-7804-16	pH or Redox meter, and Temperature (without probe)
1	IN-7804-18	Complete multi-range conductivity and temperature meter + CD sensor CK=1 with 5m fixed connection cable
	IN-7804-20	Complete low conductivity and Temperature meter from 1 - 200 uS + CD sensor CK=10 with 5m fixed connection cable
pH, REDOX, CONDUCTIVITY (CD) AND TEMPERATURE SENSORS		
2	IN-8202-05	pH sensor, plastic material, 5 m fixed cable, BNC connector
	IN-8204-05	Rx sensor, plastic material, 5 m fixed cable, BNC connector
3	HP-4028-49	Rx sensor, plastic material, 5 m fixed cable, BNC connector (GOLD)
	IN-7802-00	Sensor CD, Rango: 0.01 ... 500 µS, C =0.1 cm-1 CK =10 cm, 1/2" GM, with 5m fixed cable
4	IN-7802-01	Sensor CD, Rango: 5 ... 5000 µS, C =1 cm-1 CK =1 cm, 1/2" GM, with 5m fixed cable
	IN-7802-02	Sensor CD + Temperature, Rango: 0.01 ... 500 µS, C =0.1 cm-1 CTK =10 cm, 3/4" G.M, sin cable
5	IN-7802-03	CD+ Temperature sensor, Range: 5 ... 5000 µS, C = 1 cm-1 CTK = 1 cm, 3/4" G.M, sin cable
	IN-7806-07	Temperature sensor for panel
6	IN-7802-04	4-pole connection cable for conductivity sensor, length 5mts (10 or 15mts consult)
CHLORINE PROBES FOR PANEL Spare parts Panel IN-2604-04, IN-2604-06		
7	IN-2610-02	Complete free chlorine probes pt-cu (copper-platinum) for Coclop
	IN-2610-04	Free chlorine membrane probes. Potentiostatic free chlorine sensor for coclop
8	IN-7806-20	80 micron filter cartridge 5" Chlorine panel
9		
pH or REDOX SENSOR HOLDERS (1/2")		
10	IN-6602-09*	Filter-type sensor holder for a pH or redox probe (1/2")
	IN-6602-06*	Filter type sensor holder cup for two pH or redox probes (1/2")
11	IN-6601-04	PG 2A 1/2" sensor holder for inserting pH or redox sensor into collar
	IN-7806-14	Sensor holder for industrial RO
12	IN-6602-04	Reinforced sensor holder
	TU-1202-07	Clamp PP 50 x 1/2"
13	TU-1202-08	Clamp PP 63 x 1/2"
14		
15		

* Sensor holder must be added



SDM MAGNETIC FILTER

Ultra-compact filter that removes sludge, ferrous or sandy residues circulating through the pipes of heating systems. Thanks to its powerful magnet, the filter can remove ferrous particles from the water and any other impurities through a 500 micron stainless steel filter mesh.

REMOVING DIRT

The filtration system is designed so that particles fall to the bottom of the vessel. To remove these particles, simply open the discharge valve of the dirt separator. Ferrous particles can be discharged by sliding the magnet downwards.

CHARGE CHEMICAL PROTECTIVE CONDITIONERS

It also allows you to wash the heating system, mixing chemicals with water to remove any deposits or algae that may form. The use of this filter facilitates routine maintenance, increases the boiler life, facilitates the removal of impurities and increases the overall efficiency of the system.

COMPACT

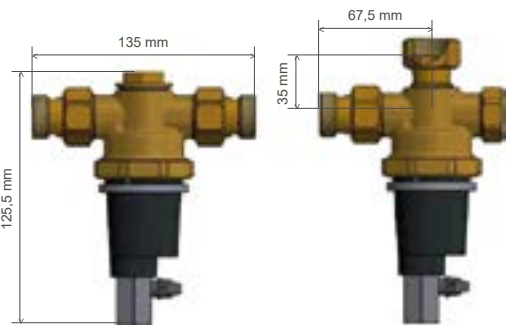
Its extremely compact dimensions allow the dirt separator filter to be installed directly under wall-mounted boilers, both in horizontal pipes, taking advantage of the in-line outlets, and in the 90° configuration with horizontal inlet and vertical outlet, further reducing the overall dimensions. The mechanics of the equipment are very simple and designed to minimise pressure drops.

TECHNICAL CHARACTERISTICS

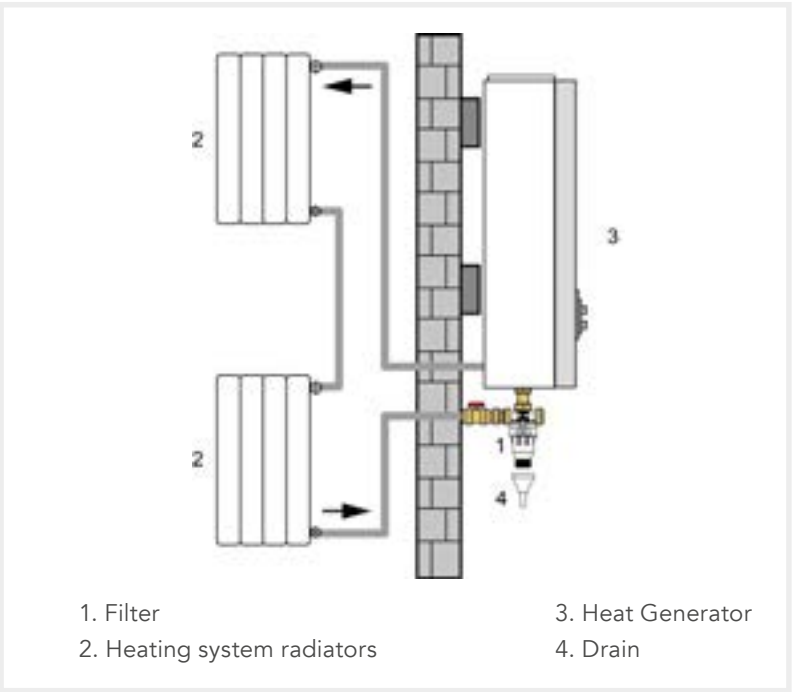
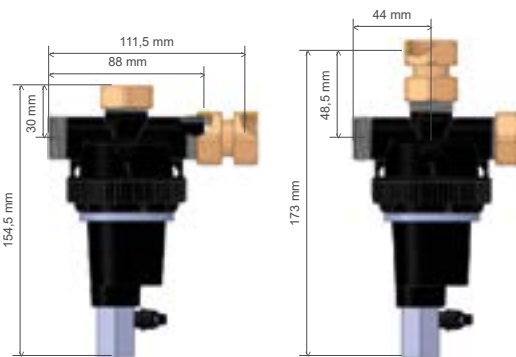
- Working pressure 1.5 to 4 Bar.
- Maximum temperature 90°C
- 3/4" connection



SDM 17



SDM 20



CODE	MODEL
FI-2019-20	SDM 20 magnetic filter - plastic head
FI-2019-22	SDM 17 magnetic filter
CA-2005-80	500 micron stainless steel cartridge

CONNEU CONDENSATE NEUTRALIZING FILTER

CONNEU is a filter that is installed under WALL condensing boilers.

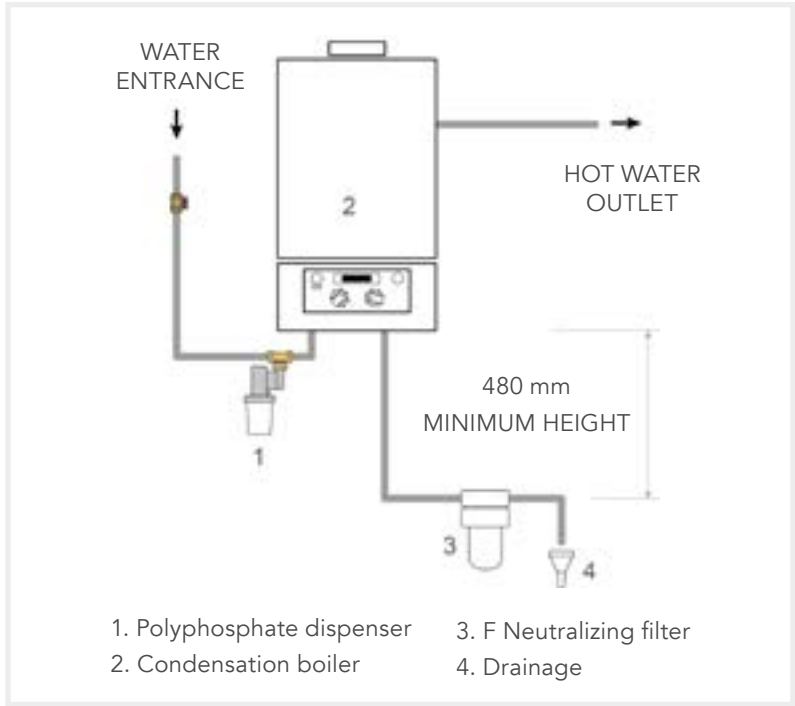
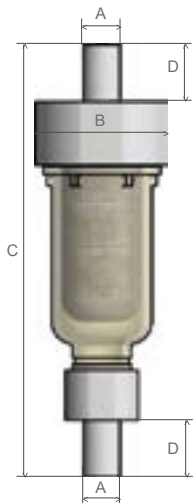
The cartridge inside contains a granulate capable of quickly and effectively neutralizing condensate from acidic pH to neutral pH.

The neutralising cartridge must be replaced periodically. The duration varies depending on the acidity and the amount of condensation. In any case, the cartridge must be replaced at least once a year, i.e. when the volume of the granulate falls below 2/3 of the vessel or when the outlet pH is acidic.

Replacement is very simple: just unscrew the top cap of the container, remove the used cartridge, insert the new one and close the system again.

TECHNICAL CHARACTERISTICS

- For boilers up to 35 kW
- Maximum flow rate 3 L/h
- Hose connection 16 mm
- Minimum discharge height 150 mm



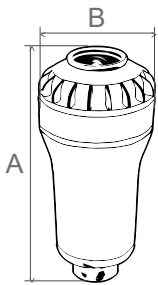
CODE	MODEL	A (mm)	B (mm)	C (mm)	D (mm)
FI-2019-30	Neutralizing filter	16	58	190	25

CRISTAL SOFT

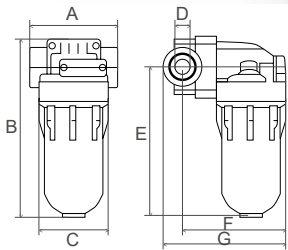
Glass polyphosphate dosing filter for the protection of household appliances. Suitable for use in drinking water.

Its action reduces the formation of scale in pipes and heating elements, which helps extend their useful life.

- ABS head
- Transparent SAN glass
- Includes polyphosphate filler in crystal form
- Threaded connection M/H: 3/4"
- Maximum working pressure: 4 Bar
- Working temperature: 0° to 30°C
- If used before a heater, install a non-return valve and the minimum distance > 0.5 m



CODE	DIMENSIONS (mm)	
	A	B
DO-8002-02	125	60



CODE	DIMENSIONS (mm)					
	A	B	C	D	AND	F
DO-8004-22	70	144	56	122,5	84	100
DO-8004-24	91	202	77	-	-	-
DO-8004-26	91	202	77	-	-	-

CODE	MODEL	CONNECT.	FLOW L/ h	UNIT/BOX
DO-8002-02	Cristal soft	¾"	500	24

HIDROCAL

Polyphosphate powder dosing filter for the protection of washing machines, dishwashers and boilers.

- PP head
- Transparent SAN glass
- Female thread brass connection
- NBR bellows and O-ring
- Dosage: 2-4 ppm per m³
- All models equipped with 500 gr. polyphosphate bottle
- Maximum working pressure: 8 Bar
- Maximum working temperature: 25°C

CODE	MODEL	BY-PASS	CON- NECTED	CAUTION m³/hour	UNIT/BOX
DO-8004-22	Hidrocal	NO	½" H	1	20
DO-8004-24	Hidrocal	NO	¾" H	2	20
DO-8004-26	Hidrocal	NO	1" H	3	20
PQ-0402-01	Polyphosphate powder blister				6x80gr

CINTROPUR POLYPHOSPHATE
FILTERS OR SILICA-PHOSPHATES
(SILIPHOS)

Constructed entirely from top-quality synthetic materials, CINTROPUR filters are perfectly suitable for food and drinking water.

TE models equipped with a "basket" can be filled with various products.

ADVANTAGES

- High flow rate
- Low pressure loss
- Professional, robust and reliable device
- Quick and easy internal purge
- Exclusive, ecological and economical filter cloth system
- Visual inspection of the filter cloth (transparent glass)
- Load not included

POLYPHOSPHATE OR SILIPHOS CRYSTALS

Effective up to 60°C, these products are used to reduce the harmful and scaling effects of limescale. The protection of new sanitary installations against rust is another well-known application.



NW32 TE



NW500 TE

CODE	MODEL	Ø	MEDIUM FLOW RATE* m³/h	SERVICE PRESSURE (Bar)	MAX. WORKING PRESSURE (Bar)	MAX TEMP (°C)	WEIGHT (Kg)	GLASS VOLUME (L)
FI-0502-12	NW 32 TE	1 ¼"	0,5	10	16	50	2,1	1,70
FI-0502-13	NW 500 TE	2"	2	10	16	50	5,6	4,85

*ΔP= 0,2 Bar



NW 50 POLIFOSPHATE

CODE	MODEL	PACKAGING
PQ-0402-04	Polyphosphate crystal	1 Kg
PQ-0403-02	Polyphosphate crystal	25 Kg
PQ-0404-04	Siliphos balls	25 Kg

PURIFIER FILTER WITH ULTRAVIOLET



Equipment for water disinfection using ultraviolet light with pretreatment filters included.

It does not add chemicals, odor or taste to the treated water.

304 stainless steel chamber.

ADVANTAGES

- 1. **Filter:** removes suspended particles from water
- 2. **Purifies:** Activated carbon removes tastes and odors from water
- 3. **Sterilizes:** UV treatment guarantees the bacteriological quality of the water.

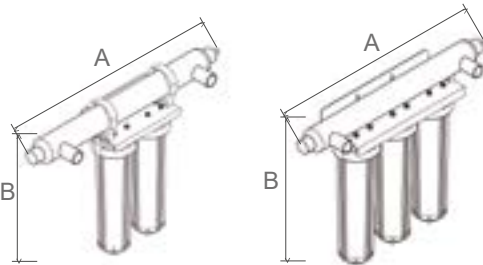
AVAILABLE MODELS

DUPLEX

- 20 micron polypropylene cartridge
- 5 micron polypropylene cartridge

TRIPLEX

- 20 micron polypropylene cartridge
- 5 micron polypropylene cartridge
- Carbon Block Cartridge



CODE	DIMENSIONS (mm)	
	A	B
UV-3002-02	268	410
UV-3002-04	403	410
UV-3002-06	560	700
UV-3002-08	560	700
UV-3004-02	940	720
UV-3004-04	940	720
UV-3004-06	940	775
UV-3004-08	940	775

CODE	MODEL	CONNECTION	FLOW L/ h
UV-3002-02	Duplex 9 3/4" Filter + UV 10W	¼"	227
UV-3002-04	Triplex 9 3/4 Filter + UV 10W	¼"	227
UV-3002-06	Duplex 20" Filter + UV 21W	½"	1000
UV-3002-08	Triplex 20" Filter + UV 21W	½"	1000
UV-3004-02	Duplex Big 20" Filter + UV 40W	1"	2500
UV-3004-04	Triplex Big 20" Filter + UV 40W	1"	2500
UV-3004-06	Duplex Big 20" Filter + UV 85W	1 ½"	2500
UV-3004-08	Triplex Big 20" Filter + UV 85W	1 ½"	2500

DOMESTIC ULTRAVIOLET



UV water disinfection system TRIOZON Series for domestic water treatment.

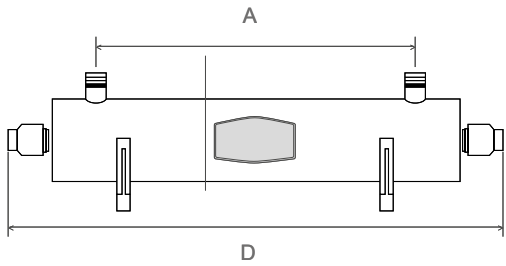
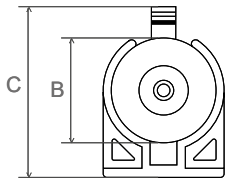
- Material: AISI 304
- Lamp life: 8.000 hours
- Dosis: 30 mj/cm²
- LED. indicator
- Includes two clamps
- Maximum pressure 6 Bar
- Temperature range: 2-32°C
- Power supply: 230V-50 Hz
- For proper operation, the water must be permanently filtered (turbidity < 5NTU, Fe < 0.3 ppm and bacteria < 1000/ml)

CODE	DIMENSIONS (mm)			
	A	B	C	D
UV-2006-02	168	50,8	90	265
UV-2006-04	235	63,5	105	350
UV-2006-08	440	63,5	105	560
UV-2006-12	800	63,5	105	940
UV-2006-14	800	90	154	935
UV-2006-18	785	90	160	935
UV-2006-22	785	192	160	935
UV-2006-24	785	273	251	935

CODE	MODEL	CONN.	MAX FLOW (L/h)	NO. OF LAMPS	MAX. BAR
UV-2006-02	UV 10W	1/4"	227	1	6
UV-2006-04	UV 14W	1/4"	450	1	6
UV-2006-08	UV 21W	1/2"	1360	1	6
UV-2006-12	UV 40W	3/4"	2720	1	6
UV-2006-14	UV 65W	1"	3400	1	6
UV-2006-18	UV 85W	1 ½"	5443	1	6
UV-2006-22	UV 2x85W	2"	10220	2	6
UV-2006-24	UV 3x105W	2 ½"	25000	3	6

CODE	MODEL
RU-2006-02	Triozon UV lamp 10W
RU-2006-04	Triozon UV lamp 14W
RU-2006-08	Triozon UV lamp 21W
RU-2006-12	Triozon UV lamp 40W
RU-2006-14	Triozon UV lamp 65W
RU-2006-16	Triozon UV lamp 85W
RU-2008-02	Triozon UV quartz tube 10W
RU-2008-04	Triozon UV quartz tube 14W
RU-2008-06	Triozon UV quartz tube 21W
RU-2008-08	Triozon UV quartz tube 40W
RU-2008-14	Triozon UV quartz tube 65-85W
RU-2010-02	Transformer 10-14W
RU-2010-12	Transformer 21-40W
RU-2010-14	Transformer 65-85W

It is recommended to change lamps at least once a year.



DOMESTIC ULTRAVIOLET
SERIE UV 304

UV Series Ultraviolet Sterilization Equipment

304, manufactured with AISI 304 stainless steel body, equipped with an alarm system in case of malfunction.

ADVANTAGES OF UV 304 ULTRAVIOLET LIGHT DISINFECTION

- Eliminates all types of algae, fungi, germs and viruses contained in the water.
- It leaves no residual residue, so the water will not contain toxins, pollution or residue after use.
- Easy to use.
- It can be applied in different environments, such as hospitals, food industry, medical industry, etc.
- Low cost; it is an economical technology
- Lamp life: 8.000h.

CODE		MODEL	ELECTRICAL POWER SUPPLY	MAX. WORKING PRESSURE (BAR)	CONEX. IN/OUT	MEASURES (mm)	FILTERED WATER FLOW (L/h)	OSMOTIZED WATER FLOW (L/h)
UV-1402-03	UV 11 W		230V - 50Hz	6	¼"	Ø51x260	180	228
UV-1402-04	UV 16 W		230V - 50Hz	6	½"	Ø64X380	400	500
UV-1402-05	UV 25 W		230V - 50Hz	8	½"	Ø64x520	1.140	1.360
UV-1402-07	UV 55 W		230V - 50Hz	8	1"	Ø64x970	2.280	2.730

CODE		MODEL	ELECTRICAL POWER SUPPLY	MAX. WORKING PRESSURE (Bar)	CONEX. IN/OUT	MEASURES (mm)	FILTERED WATER FLOW (L/h)	WATER CAPACITY (cm³)
UV-1402-08	UV 110 W		110V/220V - 50/60Hz	10	1"	Ø108x950	5000	8.130
UV-1402-09	UV 220 W		110V/220V - 50/60Hz	10	1 ½"	Ø133x950	11.000	12.330

CODE		MODEL
RU-1208-08	Lamp transformer 11W	
RU-1802-11	16W lamp transformer	
RU-1802-10	25W lamp transformer	
RU-1802-12	55W lamp transformer	
RU-1802-00	UV replacement lamp 11W	
RU-1802-07	UV replacement lamp 16W	
RU-1802-01	UV replacement lamp 25W	
RU-1802-02	UV replacement lamp 55W	
RU-1802-03	UV quartz tube for 11W	
RU-1802-09	UV quartz tube for 16W	
RU-1802-05	UV quartz tube for 25W	
RU-1802-04	UV quartz tube for 55W	



UV 11W serie 304



UV 25W serie 304



UV 110W serie 304



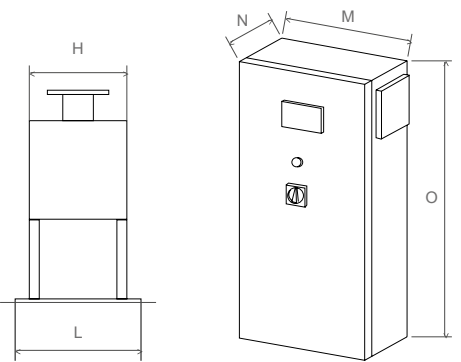
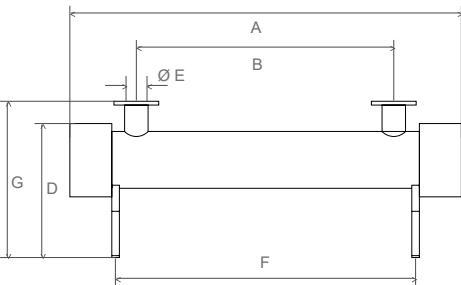
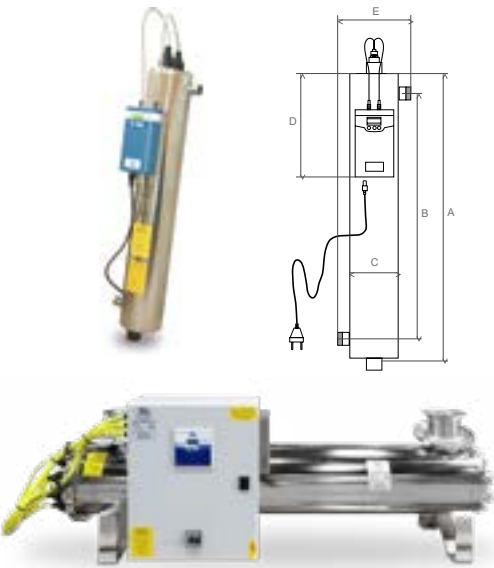
UV 220W serie 304

INDUSTRIAL ULTRAVIOLET

UV water disinfection system that covers everything from small flow rates to large industrial or municipal systems.

They are made of high-quality stainless steel and incorporate special low-pressure mercury lamps.

- Material AISI 316
- Lamp life: 8.000 hours
- Dosis: 40.000 mj/cm2
- LED operation indicator
- Includes hour counter and failure alarm.
- Maximum working pressure: 8 bar
- Working temperature: 2° to 35°C
- Electrical voltage: 230V-50Hz



CODE	MODEL	CONNECT.	MAX FLOW. (m³/h)	NO. LAMPS
UV-1002-03	1S	1" M	2	1 x 40W
UV-1002-04	2S	1" M	4	2 x 40W
UV-1002-05	4S	1 ½" H	10	4 x 40W
UV-1002-06	6S	2" H	15	6 x 40W
UV-1002-07	4L	DN50	20	4 x 65W
UV-1002-08	6L	DN80	30	6 x 65W
UV-1002-09	8L	DN80	40	8 x 65W
UV-1002-10	10L	DN100	50	10 x 65W
UV-1002-11	12L	DN100	60	12 x 65W
UV-1002-12	16L	DN100	80	16 x 65W
UV-1002-13	20L	DN125	100	20 x 65W
UV-1002-14	24L	DN125	120	24 x 65W
UV-1002-15	32L	DN150	160	32 x 65W
UV-1002-16	40L	DN150	200	40 x 65W
UV-1002-17	48L	DN150	240	48 x 65W

CODE	MODEL
RU-1204-02	40W lamp
RU-1206-01	65W lamp
RU-1204-03	40W quartz tube
RU-1206-02	65W quartz tube

It is recommended to change lamps at least once a year.

CODE	MODEL	DIMENSIONS (mm)												weight (Kg)
		A	B	C	D	AND	F	G	H	L	M	N	THE	
UV-1002-03	1S	835	695	90	300	180	-	-	-	-	-	-	-	
UV-1002-04	2S	825	700	139	300	210	-	-	-	-	-	-	-	
UV-1002-05	4S	1060	630	-	470	1 1/2" F in/out	720	480	435	430	400	150	600	60
UV-1002-06	6S	1060	630	-	580	2" F in/out	720	580	490	480	500	200	700	72
UV-1002-07	4L	1800	1300	-	470	DN50 in/out	1460	550	445	430	500	200	700	75
UV-1002-08	6L	1800	1300	-	580	DN80 in/out	1440	680	490	480	500	210	670	85
UV-1002-09	8L	1800	1300	-	580	DN80 in/out	1440	680	530	480	600	250	800	95
UV-1002-10	10L	1850	1250	-	650	DN100 in/out	1430	760	600	550	600	250	800	115
UV-1002-11	12L	1850	1250	-	650	DN100 in/out	1430	760	600	550	600	300	1000	120
UV-1002-12	16L	1850	1250	-	700	DN100 in/out	1430	810	700	660	600	300	1000	150
UV-1002-13	20L	1850	1240	-	650	DN125 in/out	1420	740	500	600	800	300	1200	210
UV-1002-14	24L	1850	1240	-	650	DN125 in/out	1420	740	500	600	800	400	1700	250
UV-1002-15	32L	1850	1220	-	750	DN150 in/out	1420	840	600	720	800	400	1900	350
UV-1002-16	40L	1900	1220	-	860	DN150 in/out	1410	950	700	850	1200	400	1800	440
UV-1002-17	48L	1900	1220	-	960	DN150 in/out	1410	1050	800	950	1200	400	1800	500

INDEX MEASURING EQUIPMENT

DOMESTIC WATER



BASIC LEVEL			
• Hardness	• TDS/conductivity	• Chlorine	
ADVANCED LEVEL			
• Hardness	• TDS/conductivity	• Chlorine	• pH
• Temperature	• Nitrates	• Manganese	• Iron
• Langelier index			

Industrial water



BASIC LEVEL			
• Hardness	• TDS/conductivity	• Chlorine	• pH
ADVANCED LEVEL			
• Hardness	• TDS/conductivity	• Chlorine	• pH
• Temperature	• Nitrates	• Manganese	• Iron
• Langelier indicator	• Ozone	• Turbidity	

POOL WATER



FOR PRIVATE USE			
• Chlorine	• pH		
FOR PRIVATE USE with saline chlorinator			
• Chlorine	• pH	• Temperature	• Salinity
• TDS/conductivity			
FOR PUBLIC USE			
• Chlorine	• pH	• Temperature	• Salinity
• TDS/conductivity	• Humidity Rel. %	• Air temperature	• CO ₂
• Turbidity	• Bromo	• Isocyanuric acid	

WATER FROM TREATMENT PLANTS



• Temperature	• pH	• TDS/conductivity	• Oxygen
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MEASURING EQUIPMENT FOR DOMESTIC WATER

INDEX	CODE	DESCRIPTION	CONTROL
Hardness	IN-0402-02	Water hardness measurement kit , by the EDTA compleximetry method, with a range of 0-100°F and a number of reagents 2+1.	Basic Advanced
Hardness	IN-0402-03	REAGENT A	
Hardness	IN-0402-04	REAGENT B	
Hardness	HI-3890	Total Hardness Test Kit: - Method: titration - Range: 0 - 80 TH - Smallest increment: 1 TH	
Chlorine	HI-701	Free Chlorine Mini Photometer with: - Range 0-2.5 ppm - Resolution of 0.01ppm - Reagent HI 93701-01 (powder) / HI 93701 F (liquid)	Basic Advanced
TDS	IN-0202-02	TDS Pen Dissolved Solids Meter (HR and LR) with range of: - 0 a 999 ppm - 10 a 9999 ppm 1ppm resolution and 2% accuracy	Essential
TDS THIS Temperat. pH	HI-98129	Waterproof pocket instrument with a range: - TDS from 0 to 2000 ppm - pH from 0.00 to 14.00 - Conductivity from 0 to 3999 µS/cm - Temperature range from 0-60°C/32-140 °F	Basic Advanced
TDS THIS Temperat. pH	HI-9814	Multiparametric Tester with probe: - TDS 0 a 3000 ppm - EC 0.00 to 6.00 mS/cm - Temperature from 0 to 60°C - pH 0.00 to 14.00	Basic Advanced
pH	HI-98107	pH Test: - pH from 0.00 to 14.00 - Automatic calibration in 1 or 2 points. - 1000h battery life - Small diameter probe	Advanced
Temperat.	HI-98509	Tester Checktemp with rank: - Temperature from 0 to 60°C - Resolution 0.1°C	Advanced
pH Absorbance Alkalinity Bromo Chlorine Copper Isoc Acid. Hardness Iron Ozone Nitrate Phosphate	HI-83326-02	Langelier Indicator: - pH 6.5 to 8.5 pH; pH electrode -2.00 to 16.00 pH - Absorbance: 0.000 to 4.000 Abs - Alkalinity 0 to 500 mg/L (CaCO ₃) - Bromo 0.00 a 10.00 mg/L (Br ₂) - Free chlorine 0.00-5.00 mg/L; Total chlorine 0.00-5.00 mg/L - Total copper 0.00 to 5.00 mg/L - Isocyanuric acid 0 to 80 mg/L - Calcium hardness 0 to 2.70 mg/L - Iron 0 to 5.00 mg/L - Ozone 0 to 2.00 mg/L - Nitrate 0 to 30.0 mg/L - Phosphate 0 to 2.50 mg/L	Advanced



MEASURING EQUIPMENT
FOR INDUSTRIAL WATER



INDEXES	CODE	DESCRIPTION	CONTROL
Hardness	IN-0402-02	Hardness kit for water measurement, by the EDTA compleximetry method, with a range of 0-100°F and a number of reagents 2+1.	Basic Advanced
Hardness	IN-0402-03	REAGENT A	
Hardness	IN-0402-04	REAGENT B	
Hardness	HI-3890	Total Hardness Test Kit: - Method: titration - Range: 0 - 80 TH - Smallest increment: 1 TH	
Chlorine	HI-701	Free Chlorine Mini Photometer with: - Range 0-2.5 ppm - Resolution of 0.01ppm - Reagent HI 93701-01 (powder) / HI 93701 F (liquid)	Essential
TDS THIS Temperat. pH	HI-98129	Waterproof pocket instrument with a range: - TDS from 0 to 2000 ppm - Conductivity from 0 to 3999 µS/cm - Temperature range from 0-60°C/32-140°F - pH from 0.00 to 14.00	Essential
TDS THIS Temperat. pH	HI-98130	Waterproof Pocket Tester: - TDS from 0 to 10 g/L - Conductivity from 0 to 20mS/cm2 - Temperature range from 0-60°C/32-140°F - pH from 0.00 to 14.00	Essential
TDS THIS Temperat. pH	HI-9814	Multiparameter tester with probe: - TDS 0 a 3000ppm - EC 0.00 to 6.00 mS/cm - Temperature from 0 to 60°C - pH 0.00 to 14.00	Essential
pH Temperat.	HI-991001-30	Portable meter with a range of: - pH 2.000 a 20.00 +-2000mV - Temperature -20.0 to 120.0°C/-4.0 to 248.0°F	Advanced
TDS THIS Temperat. Resistivity Salinity	HI-98192	Waterproof measuring instrument with rank: - TDS from 0 to 400 g/L - Conductivity from 0 to 1000 mS/cm - Temperature from -20 to 120°C/-4 to 248°F - Resistivity 0 to 100 MΩ/cm - Salinity 0.0 to 400.0% NaCl	Advanced
pH TDS THIS Temperat. Resistivity Salinity	HI-98195	Waterproof measuring instrument with rank: - pH de 0.00 a 14.00 / +-600mV - ORP +-2000mV - Conductivity from 0 to 400mS/cm - TDS from 0 to 400000 ppm - Temperature -5 to 55°C/23 to 131°F - Resistivity 1.0 to 1000.00kΩcm - Salinity 0.0 to 70 PSU	Advanced

MEASURING EQUIPMENT
FOR INDUSTRIAL WATER



INDEXES	CODE	DESCRIPTION	CONTROL
pH TDS/Cond. Temperat. Resistivity Salinity Oxygen Atm. Pressure Turbidity	HI-98594	Waterproof measuring instrument with a range of: - pH de 0.00 a 14.00 / +-600mV - ORP +-2000mV - Conductivity from 0 to 400mS/cm - TDS from 0 to 400000 ppm - Temp. de -5 a 55°C/23 a 131°F - Resistivity 1.0 to 1000.00kΩcm - Salinity 0.0 to 70 PSU - Dissolved oxygen 0.00 to 500.00 ppm - Pressure atm. 600 to 1133.2 mBar - Turbidity - Oxygen	Advanced
Free Chlorine Total Chlorine pH Isoc Acid.	HI-971044C	Briefcase that i Includes Chlorine, pH, and isocyanuric acid photometers, as well as reagents, calibration standards, accessories, and a carrying case. - Chlorine Free 0.00 to 5.00mg/L - Total chlorine 0.00 to 5.00mg/L - pH 6.5 to 8.0 pH - Isocyanuric acid 0 to 80 mg/L	Basic Advanced
Free Chlorine Total Chlorine pH Isoc Acid. Bromo Iron Iodine	HI-97101C	Briefcase that i Includes Chlorine, pH, and isocyanuric acid photometers, as well as reagents, calibration standards, accessories, and a carrying case. - Chlorine Free 0.00 to 5.00mg/L - Total chlorine 0.00 to 5.00mg/L - pH 6.5 to 8.0 pH - Isocyanuric acid 0 to 80 mg/L - Bromo 0.00 a 10.00mg/L - Iron 0.00 to 1.60 mg/L - Yodo 0.00 a 12.50mg/L	Advanced
Free Chlorine Total Chlorine pH Isoc Acid. Turbidity	HS-94104C	Portable multiparameter turbidimeter and photometer: - Turbidity 0.00-9.99NTU/0.00-50.0 NTU - Chlorine Free 0.00 to 5.00mg/L - Total chlorine 0.00 to 5.00mg/L - pH 6.5 to 8.5 pH - Isocyanuric acid 0 to 80 mg/L	Advanced
Turbidity	HS-93703POOL	ISO 7027 portable turbidimeter with data memory and computer connection: - Turbidity 0.00-50.0NTU/50-1000 FTU	Advanced
pH Absorbance Alkalinity Bromo Chlorine Copper Isoc Acid. Hardness Iron Ozone Nitrate Phosphate	HI-83326-02	Langelier Indicator: - pH 6.5 to 8.5 pH; pH electrode -2.00 to 16.00 pH - Absorbance: 0.000 to 4.000 Abs - Alkalinity 0 to 500 mg/L (CaCO ₃) - Bromo 0.00 a 10.00 mg/L (Br ₂) - Free chlorine 0.00-5.00 mg/L; Total chlorine 0.00-5.00 mg/L - Total copper 0.00 to 5.00 mg/L - Isocyanuric acid 0 to 80 mg/L - Calcium hardness 0 to 2.70 mg/L - Iron 0 to 5.00 mg/L - Ozone 0 to 2.00 mg/L - Nitrate 0 to 30.0 mg/L - Phosphate 0 to 2.50 mg/L	Advanced
Turbidity Cl pH Conduc-tive. Temperat.	HS-98713CLPH-CET	Briefcase for measuring drinking water Parameters required by RD 3/2023. Includes : Portable Turbidimeter - HI98713 // Free Chlorine Pocket Meter - Checker HI701 / . Water Color Pocket Meter - Checker HI727 // pH Pocket Meter - Tester HI98107 // Pocket Conductivity Meter - Tester HI98304 // Compact thermometer with penetration probe - Checktemp HI98501 .	

MEASURING EQUIPMENT
FOR WASTEWATER TREATMENT PLANTS



INDEXES	CODE	DESCRIPTION
pH Temperat.	HI-98190	Portable meter with a range of: - pH 2.000 a 20.00 +/-2000mV - Temp. -20.0 a 120.0°C/-4.0 a 248.0°F For waste water For clean and osmosis water, use HI-98190-53
TDS/Cond. Temperat. Resistivity Salinity	HI-98192	Waterproof measuring instrument with rank: - Conductivity from 0 to 400mS/cm - TDS from 0 to 2000 ppm - Temp. de -20 a 120°C/-4 a 248°F - Resistivity 1.0 to 99.99Ωcm - Salinity 0.0 to 400.0‰NaCl
Oxygen Temperat. Atm. Pressure	HI-98193	Waterproof measuring instrument with rank: - Dissolved oxygen: 0.00 to 50.00 mg/L - Temp. de -20 a 120°C/-4 a 248°F - Atm. pressure: 450 to 850 mmHg
pH TDS/Cond. Temperat. Resistivity Salinity	HI-98195	Waterproof measuring instrument with rank: - pH de 0.00 a 14.00 / +/-600mV - ORP +/-2000mV - Conductivity from 0 to 400mS/cm - TDS from 0 to 400000 ppm - Temp. de -5 a 55°C/23 a 131°F - Resistivity 1.0 to 1000.00kΩcm - Salinity 0.0 to 70 PSU
pH TDS/Cond. Oxygen	HI-2020-02	Measuring instrument with a range of: - pH de -2.00 a 16.00 / +/-1000mV - Conductivity from 0 to 500mS/cm - Dissolved oxygen: 0.00 to 45.00 ppm
pH TDS/Cond. Temperat. Resistivity Salinity Oxygen Atm. Pressure Turbidity	HI-98594	Waterproof measuring instrument with a range of: - pH from 0.00 to 14.00 / +/-600mV - ORP +/-2000mV - Conductivity from 0 to 400mS/cm - TDS from 0 to 400000 ppm - Temp. from -5 to 55°C/23 a 131°F - Resistivity 1.0 to 1000.00kΩcm - Salinity 0.0 to 70 PSU - Dissolved oxygen 0.00 to 500.00 ppm - Pressure atm. 600 to 1133.2 mBar - Oxygen - Turbidity



PHOTOMETRIC REAGENTS

CODE	PARAMETERS	RANGE	UNITS
HI-93701F	Free chlorine (liquid reagent)	0,00 a 5,00 mg/L	300 tests
HI-93701T	Total chlorine (liquid reagent)	0,00 a 5,00 mg/L	300 tests
HI-93701-01	Free chlorine (powder reagent)	0,00 a 5,00 mg/L	100 tests
HI-93701-03	Free chlorine (powder reagent)	0,00 a 5,00 mg/L	300 tests
HI-93711-01	Total chlorine (powder reagent)	0,00 a 5,00 mg/L	100 tests
HI-93711-03	Total chlorine (powder reagent)	0,00 a 5,00 mg/L	300 tests
HS-93701-F1	Free Chlorine (liquid reagent)	0,00 a 5,00 mg/L	100 test
HI-93710-01	pH (liquid reagent)	pH (6.5 to 8.5)	100 test
HI-93710-03	pH (liquid reagent)	pH (6.5 to 8.5)	300 test
HI-93703-10	Turbidity solution for HI93703 turbidimeter	10 LEVELS	30 ml
HI-93716-01	Bromo	0,00 a 10,00 mg/L	100 test
HI-93716-03	Bromo	0,00 a 10,00 mg/L	300 test
HI-93720-01	Calcium Hardness (liquid r.)	0,00 a 2,70 mg/L	100 test
HI-93720-03	Calcium Hardness (liquid r.)	0,00 a 2,70 mg/L	300 test
HI-93702-01	Free copper	0,00 a 5,00 mg/L	100 test
HI-93702-03	Free copper	0,00 a 5,00 mg/L	300 test
HI-93702T-01	Total copper	0,00 a 5,00 mg/L	100 test
HI-93702T-03	Total copper	0,00 a 5,00 mg/L	300 test
HI-775-26	Alkalinity	0 a 300 mg/L	25 test
HI-93755-01	Alkalinity	0 a 500 mg/L CaCO3	100 test
HI-93755-03	Alkalinity	0 a 500 mg/L CaCO3	300 test
HI-93703-52	Glycine powder		100 test
HI-93721-01	Iron	0,00 a 5,00 mg/L	100 test
HI-93721-03	Iron	0,00 a 5,00 mg/L	300 test
HI-93728-01	Nitrates (Powder reagent)	0,0 a 100 mg/L	100 test
HI-93728-03	Nitrates (Powder reagent)	0,0 a 100 mg/L	300 test
HI-93757-01	Ozone	0,00 a 2,00 mg/L	100 test
HI-93757-03	Ozone	0,00 a 2,00 mg/L	300 test
HI-93713-01	Low range phosphates	0,00 a 2,50 mg/L	100 test
HI-93713-03	Low range phosphates	0,00 a 2,50 mg/L	300 test
HI-93722-01	Isocyanuric acid	0.00 a 80.00 mg/L	100 test
HI-93722-03	Isocyanuric acid	0.00 a 80.00 mg/L	300 test
HI-93718-01	Iodine	0,0 a 12,50 mg/L	100 test
HI-93718-03	Iodine	0,0 a 12,50 mg/L	300 test



PUMPS

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VERTICAL MULTISTAGE PUMP

Vertical multistage pump with stainless steel parts.
Single-phase motor up to 2.2 kW. IP55 protection as standard.
All parts in contact with the liquid are made of 304 stainless steel or 316 stainless steel, depending on the model.
Discharge and suction intakes on the same line
Tungsten carbide / graphite mechanical seal for temperatures between -15° / 70 °C. On request, tungsten carbide / tungsten carbide seal -15° / 120 °C.

PUMPS



- OPERATING CONDITIONS**
- Working flow rates: Up to 240 m³/h
 - Delivery height: Up to 305m
 - Temperature: Up to 120°C
 - Speed: 2900rpm or 3500rpm

CODE	MODEL	kW		FLOW (m³/h)*										
				0	0,5	0,7	1	1,2	1,4	1,6	1,8	2	2,2	2,4
BO-VX122VT	VX-1-22-3-304V	1,1	E C a	128	127	126	122	118	112	105	95	83	69	54
BO-VN127VT	VN-1-27-3-316-V	1,5		158	157	155	150	145	138	130	119	106	90	69

CODE	MODEL	kW		FLOW (m³/h)*										
				0	1,2	1,6	2	2,4	2,8	3	3,2	3,6	4	4,4
BO-VX37OS	VX-3-7-1-304O	0,75	E C a	52,5	51	50	49	46	43	41	39,5	35	30	23
BO-VX37OT	VX-3-7-3-304O	0,75		52,5	51	50	49	46	43	41	39,5	35	30	23
BO-VN312VT	VN3-12-3-316V	1,1		90	88	86	83	79	74	71	67	59	50	40,5
BO-VN315VT	VN-3-15-3-316V	1,5		113	110	108	105	100	94	90	86	76	64	51
BO-VX316VT	VX-3-16-3-304V	1,5		120	118	116	112	107	100	96	92	81	69	54
BO-VX319VT	VX-3-19-3-304V	2,2		143	140	137	132	126	119	114	108	96	82	64
BO-VN323VT	VN-3-23-3-316V	2,2		173	170	166	161	153	144	138	131	115	97	78
BO-VN329VT	VN3-29-3-316V	3		220	215	210	203	194	182	175	167	148	126	99

CODE	MODEL	kW		FLOW (m³/h)*								
				0	2,5	3	4	5	6	7	8	8,5
BO-VX57OS	VX-5-7-1-304O	1,1	E C a	52	49,5	48,5	46	42,5	38,5	31,5	24,5	21
BO-VX57OT	VX-5-7-3-304O	1,1		52	49,5	48,5	46	42,5	38,5	31,5	24,5	21
BO-VX510OS	VX-5-10-1-304O	1,5		74,5	71	70	66	62	55	46	35	30
BO-VX510OT	VX-5-10-3-304O	1,5		74,5	71	70	66	62	55	46	35	30
BO-VX521VT	VX-5-21-3-304V	3		157	150	147	140	130	116	98	77	66
BO-VN521VT	VN-5-21-3-316V	3		157	150	147	140	130	116	98	77	66
BO-VN528VT	VN-5-28-3-316V	4		210	201	197	187	174	156	132	105	90

CODE	MODEL	kW		FLOW (m³/h)*						
				0	5	6	8	10	12	14
BO-VX105OT	VX-10-5-3-304O	2,2	E C a	56	52,5	51	48	43	37	28
BO-VX106OS	VX-10-6-1-304O	2,2		67	63	62	58	52	44	34
BO-VX106OT	VX-10-6-3-304O	2,2		67	63	62	58	52	44	34
BO-VX108OT	VX-10-8-3-304O	3		90	85	84	79	71	60	46
BO-VX1011VT	VX-10-11-3-304V	4		124	118	115	108	98	84	64
BO-VN1015VT	VN-10-15-3-316V	5,5		171	162	159	149	134	114	88
BO-VN1018VT	VN-10-18-3-316V	7,5		205	195	191	180	163	141	108

PUMPS

CODE	MODEL	kW		FLOW (m³/h)										
				0	8	10	12	14	15	16	18	20	22	24
BO-VX154VT	VX-15-4-3-304V	4	E C a	54	50,5	50	49	47,5	47	46	43	39	34	28,5
BO-VX156VT	VX-15-6-3-304V	5,5		82	76	75	73	71	69	67	63	58	52	43
BO-VX159VT	VX-15-9-3-304V	7,5		124	115	113	111	108	106	103	96	88	78	67
BO-VN1514VT	VN-15-14-3-316V	11		194	180	177	173	168	165	160	149	136	122	106

CODE	MODEL	kW		FLOW (m³/h)											
				0	10	12	14	16	18	20	22	24	26	28	29
BO-VX204VT	VX-20-4-3-304V	5,5	E C a	55,5	52,5	51	50	48	48,5	47	45	41,5	37	33	31,5
BO-VX206VT	VX-20-6-3-304V	7,5		84	79	78	77	75	73	70	66	62	58	52	48



HORIZONTAL MULTISTAGE PUMP

Horizontal multistage monobloc pump with stainless steel parts.
Single-phase motor up to 1.5 kW. IP55 protection as standard.
All parts in contact with the liquid are made of 304 stainless steel. On request, 316 stainless steel.

Mechanical seal made of tungsten carbide / graphite for temperatures between -15° / 70 °C. On request, tungsten carbide / tungsten carbide seal -15° / 110 °C.

OPERATING CONDITIONS

- Working flow rates: Up to 28 m³/h
- Delivery height: Up to 60m
- Temperature: Up to 110°C
- Speed: 2900rpm

CODE	MODEL	kW		FLOW (m³/h)*						
				0,5	1	1,5	2	2,5	3	3,5
BO-HX240S	HX2-40-1	0,55	E C a	36	34,5	33	29	25	20,5	16
BO-HX250S	HX2-50-1	0,55		45,5	43	40	36	31,5	26,5	20,5
BO-HX260S	HX2-60-1	0,75		53,5	51	48	44	39	32	24
BO-HX260T	HX2-60-3	0,75		53,5	51	48	44	39	32	24

CODE	MODEL	kW		FLOW (m³/h)*						
				1	2	3	4	5	6	7
BO-HX440S	HX4-40-1	0,75	E C a	37,5	36	34	31	27	23	19
BO-HX450S	HX4-50-1	1,1		47	45	42,5	39	34	29	23
BO-HX460S	HX4-60-1	1,1		56	54	51	47	41,5	35,5	28
BO-HX460T	HX4-60-3	1,1		56	54	51	47	41,5	35,5	28
				5	6	7	8	9	10	11
BO-HX850T	HX-8-50-3	2,2		51	49,5	47,5	45	42,5	39,5	36

*Flow rates and power in kW are per pump per unit.



ELECTRONIC PRESSURE CONTROLLER



SERIE HYDROMATIC

- Pump connection cable
- Mains connection cable (2.5m) with SCHUKO type plug
- Power 1.5 kW

CODE	MODEL
IN-2002-03	Hydromatic 2 HP, pressure gauge included

REVCONTROL SERIES

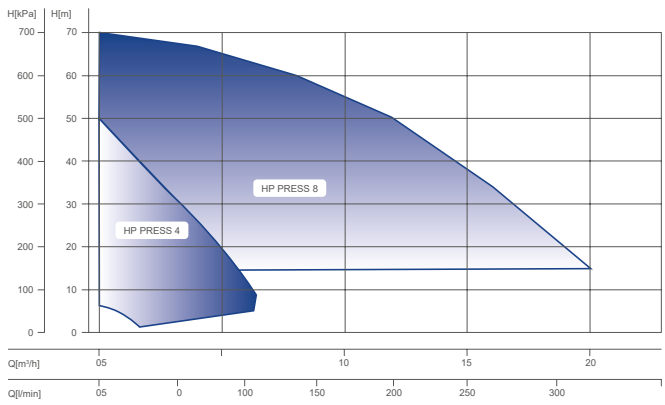
- Mains connection cable (1m) with SCHUKO type plug
- Power 2 x 1.5 kW or 1 x 2.2 kW

CODE	MODEL
IN-2032-10	Revcontrol

HPRESS SERIES

Horizontal multi-stage self-priming pressure groups made of stainless steel with permanent magnet motor and integrated frequency converter. Efficient and intelligent pump concept for the most demanding applications in residential water supply installations.

- Pump casing and impellers made of AISI304 stainless steel, technopolymer diffusers.
- Easy operation, automatic operation with a simple LCD display.
- Complete motor protections, including dry running, motor overload, leakage and overheat protection.



CODE	MODEL	P2 (kW)	Q. MAX (m³/h)	H. MAX (m)	NOMINAL FLOW (m³/h)	PRESSURE NOMINAL (m)	Ø SUCTION (mm)
BO-HPRESS-4	HPRESS 4	0,75	5,8	50	3	31	25
BO-HPRESS-8	HPRESS 8	2,2	20	68	8	60	50

PUMPS

PUMPS



PRESSURE SET SIMPLE HORIZONTAL

FEATURES AND TECHNICAL SPECIFICATIONS

- Includes check valve and manual reset button
- Includes a system that prevents dry running integrated into the electronic pressure controller itself.
- Voltage, run/fault and pressure gauge indicator light
- Prevent water hammer
- Do not require regulation, air pre-charge or maintenance.
- Pumps suitable for treating clean water
- Single-phase supply voltage 1 x 230 V x 50 Hz
- Starting pressure at 1.5 Bar



PRESSURE GROUP HYDROMATIC SERIES

Compact horizontal single pressure booster group with constant pressure and HYDROMATIC pressure controller integrated in the horizontal pump.

Includes mains connection cable (2.5m) with SCHUKO type plug.

CODE	MODEL	kW	FLOW (m³/h)*						
			0,5	1	1,5	2	2,5	3	3,5
BO-3216-02	GPH HX2-40 + HYDROMATIC	0,55	36	34,5	33	29	25	20,5	16
BO-3216-04	GPH HX2-50 + HYDROMATIC	0,55	45,5	43	40	36	31,5	26,5	20,5
BO-3216-06	GPH HX2-60 + HYDROMATIC	0,75	53,5	51	48	44	39	32	24

CODE	MODEL	kW	FLOW (m³/h)*						
			1	2	3	4	5	6	7
BO-3216-10	GPH HX4-40+ HYDROMATIC	0,75	37,5	36	34	31	27	23	19
BO-3216-12	GPH HX4-50 + HYDROMATIC	1,1	47	45	42,5	39	34	29	23
BO-3216-14	GPH HX4-60 + HYDROMATIC	1,1	56	54	51	47	41,5	35,5	28

*Flow rates and power in kW are per pump per unit.





HORIZONTAL AND VERTICAL SINGLE PRESSURE GROUPS REVCONTROL SERIES

Simple, compact, constant pressure systems with integrated REVCONTROL variable speed drive.

- Single-phase power supply equipment with three-phase 3x230 V feed pumps
- Includes digital pressure gauge on the display
- Includes 8 litre boiler
- Includes mains connection cable (1m) with SCHUKO type plug

HORIZONTAL

CODE	MODEL	kW	FLOW (m³/h)*							
			1	2	3	4	5	6	7	
BO-3218-14	GPSV REVCONTROL HX4-60-III	1,5	56	54	51	47	41,5	35,5	28	

VERTICAL

CODE	MODEL	kW	FLOW (m³/h)*								
			0	2,5	3	4	5	6	7	8	8,5
BO-3219-06	GPSV REVCONTROL VX-5-7-III	1,1	52	49,5	48,5	46	42,5	38,5	31,5	24,5	21
BO-3219-08	GPSV REVCONTROL VX-5-10-III	1,5	74,5	71	70	66	62	55	46	35	30



SIMPLE VERTICAL PRESSURE GROUPS SERIE MICROVAR

Compact constant pressure systems with variable speed drive integrated into the electrical panel.

- Three-phase power supply unit with three-phase feed pumps 3x 230/400 V, assembled
- On galvanized bench or stainless steel structure
- Does not include boiler
- MANUAL - or - AUTOMATIC selector
- Pilots for start and thermal heat pump.
- ABB ACS310 - 2.2 kW drives
- Integrated RFI filter
- Basic display
- Metal cabinet on a bench support.
- Main switch

CODE	MODEL	kW	FLOW (m³/h)*								
			0	2,5	3	4	5	6	7	8	8,5
BO-3220-06	GPSV MICROVAR VX-5-7-III	1,1	52	49,5	48,5	46	42,5	38,5	31,5	24,5	21
BO-3220-08	GPSV MICROVAR VX-5-10-III	1,5	74,5	71	70	66	62	55	46	35	30



DOUBLE VERTICAL GROUPS INTEGRATED DRIVE SERIES IN THE PANEL

Compact constant pressure systems with variable speed drive integrated into the electrical panel.

- Three-phase power equipment mounted on a galvanized base or stainless steel structure
- Includes sectioning keys, non-return valve, 0-10 Bar glycerin pressure gauge.
- Boiler tank not included.
- MANUAL - or - AUTOMATIC selector on each pump
- On request, panel to operate with inverter or pressure switches using manual selector.
- Power and thermal pilots for each pump.
- Low water warning light.
- 0-10 bar pressure transducer
- Forced ventilation

CODE	MODEL	kW	FLOW (m³/h)*								
			0	2,5	3	4	5	6	7	8	8,5
BO-3230-06	GPDV VX-5-7-III	1,1	52	49,5	48,5	46	42,5	38,5	31,5	24,5	21
BO-3230-08	GPDV VX-5-10-III	1,5	74,5	71	70	66	62	55	46	35	30

CODE	MODEL	kW	FLOW (m³/h)*							
			0	5	6	8	10	12	14	
BO-3230-14	GPDV VX-10-6-III	2,2	67	63	62	58	52	44	34	
BO-3230-16	GPDV VX-10-8-III	3	90	85	84	79	71	60	46	

CODE	MODEL	kW	FLOW (m³/h)*										
			0	8	10	12	14	15	16	18	20	22	24
BO-3230-32	GPDV VX-15-4-III	4	54	50,5	50	49	47,5	47	46	43	39	34	28,5

CODE	MODEL	kW	FLOW (m³/h)*											
			0	10	12	14	16	18	20	22	24	26	28	29
BO-3230-42	GPDV VX-20-4-III	5,5	55,5	52,5	51	50	49	48,5	47	45	41,5	37	33	31,5

*Flow rates and power in kW are unitary per pump

GPBEV PRESSURE GROUPS

ALL PRESSURE GROUPS INCLUDE:

- 1 unit. Discharge manifold made of AISI 304 stainless steel.
- Check valves (one unit per pump)
- Shut-off valves (one unit per pump)
- 1 pc. 10 bar glycerin pressure gauge.
- 1 unit. Hydrosphere accumulator with a capacity of 24L and a maximum pressure of 8 bar
- Variable speed drives Model PDH30 3T (one unit per pump)
- 1 unit. Pressure transducer with a measuring range of 0-10 bar, 24V power supply and 4-20 mA analog signal output
- 1 unit. Omega type bench made of folded iron with a thickness of 3 mm, with reinforcement up to 200 kg and painted in RAL 9001
- 1 unit. Protective frame support made from a square iron profile and painted in RAL 9001.
- Suction manifold NOT included.

GPBEV1 Three-phase variable speed clean water pressure groups, equipped with multi-stage centrifugal vertical electric pumps and hydrosphere accumulator.

Simplex : 1 pc. Multistage centrifugal vertical electric pump with pack tea fully hydraulic tea in AISI 304 stainless steel
Duplex : 2 units of multistage centrifugal vertical electric pumps with pack tea fully hydraulic tea in AISI 304 stainless steel.
Triplex 3 units of multistage centrifugal vertical electric pumps with pack tea fully hydraulic tea in AISI 304 stainless steel

GPBEV2 Three-phase variable speed clean water pressure groups, equipped with multi-stage centrifugal vertical electric pumps with main pump rotation and hydrosphere accumulator.

Duplex : 2 units of multistage centrifugal vertical electric pumps with pack tea fully hydraulic tea in AISI 304 stainless steel.
Triplex 3 units of multistage centrifugal vertical electric pumps with pack tea fully hydraulic tea in AISI 304 stainless steel



CODE	MODEL	kW	FLOW (m³/h)*							
			0	5	7,5	10	13	15	20	25
GPBEV1										
BO-GPBEV1S35-5T	BEV1 35-5T SIMPLE	2,1	75	61	45	25				
BO-GPBEV1S55-4T	BEV1 55-4T SIMPLE	2,5	52	45	42	36	30	22		
BO-GPBEV1S55-6T	BEV1 55-6T SIMPLE	3,9	82	73	68	60	46	39		
BO-GPBEV1D35-4T	BEV1 35-4T DUPLEX	1,7	62	45	32	20	5			
BO-GPBEV1D35-5T	BEV1 35-5T DUPLEX	2,1	75	61	48	25				
BO-GPBEV1D35-6T	BEV1 35-6T DUPLEX	5	88	71	53	30				
BO-GPBEV1D55-4T	BEV1 55-4T DUPLEX	2,5	52	45	42	36	29	22		
BO-GPBEV1D55-6T	BEV1 55-6T DUPLEX	3,9	82	75	68	60	46	39		
BO-GPBEV1T35-5T	BEV1 35-5T TRIPLEX	2,1	75	61	43	23				
BO-GPBEV1T55-4T	BEV1 55-4T TRIPLEX	2,5	52	45	42	36	29	22		
BO-GPBEV1T55-6T	BEV1 55-6T TRIPLEX	3,9	82	71	65	59	48	38		
GPBEV2										
BO-GPBEV2D15-5T	BEV2 15-5T DUPLEX	4	68	68	66	63	60	58	48	
BO-GPBEV2D20-4T	BEV2 20-4T DUPLEX	5,5	55	55	53	52	51	50	43	39
BO-GPBEV2T15-5T	BEV2 15-5T TRIPLEX	4	68	60	51	38				
BO-GPBEV2T20-4T	BEV2 20-4T TRIPLEX	5,5	55	50	40	32				

*The flow rates and po tea The kW indicated are unitary per pump



GPSF

Simple pumping groups especially designed for pumping or filter washing.

CODE	MODEL	KW	FLOW (m³/h)*						
			5	10	15	20	25	30	35
BO-GPSF-1	GPSF-1	1.5	15.5	15.4	15	14.4	13	11.3	
BO-GPSF-2	GPSF-2	2.2	20	19.7	19.5	19	18	16.7	15.2
BO-GPSF-3	GPSF-3	3.0	25.7	25.3	25.1	24.8	24	22.3	23
			5	10	20	30	40	50	60
BO-GPSF-4	GPSF-4	4.0	24.2	24.2	23.6	22.6	20.7	18	14.8
BO-GPSF-5	GPSF-5	5.5	31.6	31.5	31	30	28	25	21.5

CODE	MODEL	KW	FLOW (m³/h)*									
			40	50	60	70	80	90	100	110	120	130
BO-GPSF-6	GPSF-6	5.5	19.3	18.7	18	17	15.5	14.8	13	11.4	9.7	
BO-GPSF-7	GPSF-7	9.2	28.1	27.8	27.3	26.6	25.7	24.3	23	21.5	20.1	18.3

*Flow rates and power in kW are unitary per pump



NSX Pumps

FLOW PUMPS

Horizontal single-stage stainless steel pumps.
Horizontal single-stage stainless steel centrifugal pumps manufactured with laser welding and hydroforming. Resistant to slightly corrosive liquids. Its relevant features are its design, its light and manageable structure, its high efficiency and energy saving, its durability, its resistance to corrosion, its silent operation, etc.

CODE	MODEL	kW	FLOW (m³/h)*						
			5	10	15	20	25	30	35
BO-NSX6540-15	NSX 65-40-125/1.5	1.5	15.5	15.4	15	14.4	13	11.3	
BO-NSX6540-22	NSX 65-40-125/2.2	2.2	20	19.7	19.5	19	18	16.7	15.2
BO-NSX6540-30	NSX 65-40-125/3.0	3.0	25.7	25.3	25.1	24.8	24	22.3	23
			5	10	20	30	40	50	60
BO-NSX6540-40	NSX 65-50-125/4.0	4.0	24.2	24.2	23.6	22.6	20.7	18	14.8
BO-NSX6540-55	NSX 65-50-160/5.5	5.5	31.6	31.5	31	30	28	25	21.5

CODE	MODEL	kW	FLOW (m³/h)*									
			40	50	60	70	80	90	100	110	120	130
BO-NSX8565-55	NSX 80-65-125/5.5	5.5	19.3	18.7	18	17	15.5	14.8	13	11.4	9.7	
BO-NSX8565-92	NSX 80-65-125/9.2	9.2	28.1	27.8	27.3	26.6	25.7	24.3	23	21.5	20.1	18.3

CODE	MODEL	kW	FLOW (m³/h)*										
			1,2	2,4	3,6	4,8	6	7,2	8,4	9,6	12	15	18
BO-MN100-11S	MN100/1.1 mono	1.1		27.4	26.3	25	23.4	21.5	19.5	16.7			
BO-MN100-11T	MN100/1.1 three	1.1											
BO-MN250-22T	MN250/2.2 three	2.2					15.8	15.6	15.4	15	14.3	13	11.5

CODE	MODEL	kW	FLOW (m³/h)*							
			0	5	10	15	20	25	30	35
BO-MXC15-11T	MXC15/1.1 tri	1.1	15	14	14	13	12			
BO-MXC25-22T	MXC25/2.2 tri	2.2	16	16	15	15	14	14	13	13

CODE	MODEL	kW	FLOW (m3/hour ,				
			0.3	1.2	1.8	2.4	2.7
BO-2202-04	JESX5 MONO	0.37	28	23	20	13	11.5
BO-2202-02	YESSX5 THREE	0.37	28	23	20	15	11.5

*The indicated flow rates are unitary per pump



JOLLY PUMP

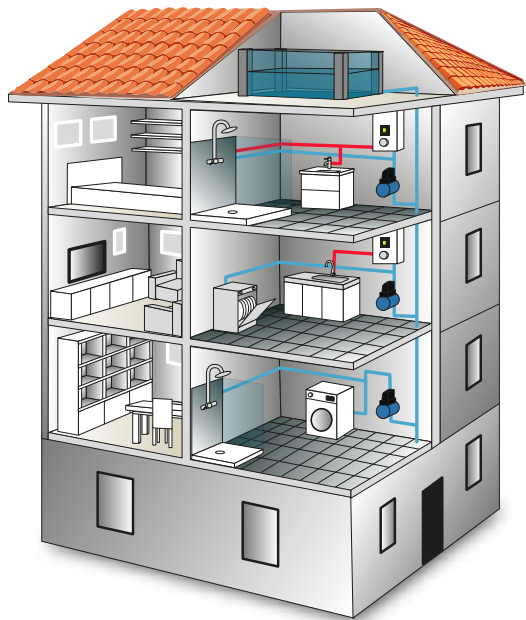
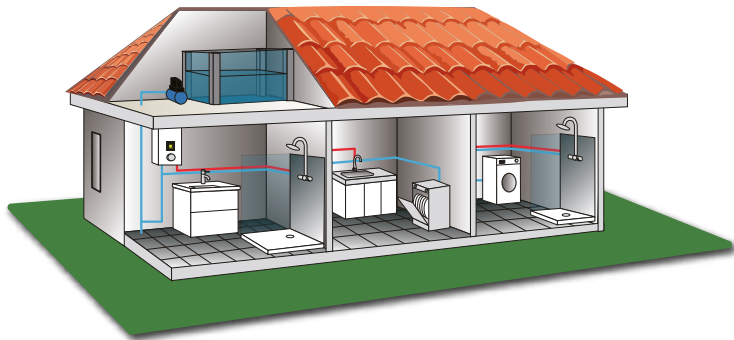
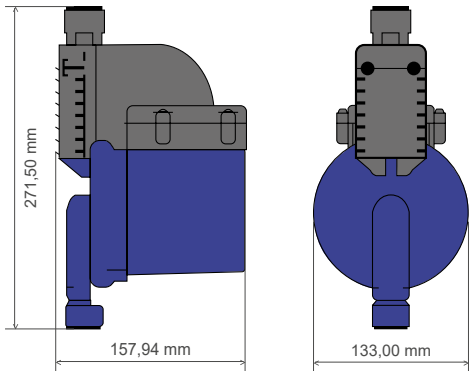
DOMESTIC PRESSURE CONTROLLER

JOLLY PUMP is a super quiet automatic electric pump designed to increase the water flow rate at the shower head and other consumption points.

JOLLY PUMP provides the following functions completely independently: start, stop and dry-running protection in gravity-fed systems, with pressurized header tanks at domestic level and even in community systems.

FEATURES AND TECHNICAL SPECIFICATIONS

- Red connection cable with SCHUKO type plug (1m)
- Rated voltage: 1 ~ 250V ac 50/60Hz
- Frequency: 50 Hz
- Max.pump power: 245 W
- Pressure increase up to 1.2 Bar
- Protection class: IP44
- Maximum working temperature: 60 °C
- Maximum flow rate: 53 L/min
- Maximum flow rate: 3 L/m
- Impulsor: PP
- Pump body: Iron
- Axis: Ceramic.
- Bearings: Ceramic.



CODE	MODEL
BO-1015-02	JOLLY PUMP

PUMP ACCESSORIES

ELECTRONIC POWER STATIONS

CONTROL PUMP

Electronic level control that transforms the 220-240Vac mains signal into 12Vac for the connection of level probes and/or pressure switches .

- It has an output relay for the pump of 250 Vac max. and 10 Amp max.
- LEDs signaling voltage, pump running, low level and protection.



SUBMATIC

Electronic level control that transforms the power signal, which can be 24Vac - 220/240Vac - 380Vac, into 12Vac for the connection of level probes and/or pressure switches.

- It has an output relay for the pump of 250 Vac max. and 10 Amp max.
- LEDs indicating voltage, pump running and low level.



CODE	MODEL
IN-2012-01	Control box with relay 2CV II Pump
IN-2012-02	Relay Control Pump II 2 HP
IN-2012-11	Relé Submatic 2 CV + 3 single pole sensor S
IN-2012-12	Submatic 2 CV level regulator relay

LEVEL PROBES

CODE	MODEL
IN-2022-01	Minimatic 10A level switch + counterweight
IN-2022-02	Microstart 20A level switch + counterweight
IN-2022-04	Mercury 5m wastewater switch
IN-2022-05	Little Mercury 5m wastewater level switch
IN-2026-02	Deep meter Divermatic 200 m
IN-2028-09	Unipolar S probe





ACCESSORIES

CHEMICAL PRODUCTS

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TANKS

CONICAL BRINE TANKS

Conical tanks for storing solid or liquid products.

- Made of linear polyethylene with anti-UV additives. Food grade (sanitary registration)
- All models have a cap and liquid level indicators.
- High chemical resistance.



CODE	MODEL	VOLUME (L)	DIAMETER (MM)	HEIGHT (MM)
DE-0204-02	Conical tank	500	905	1140
DE-0204-04	Conical tank	1000	1200	1320
DE-0204-05	Conical tank	1500	1510	1350
DE-0204-06	Conical tank	2000	1570	1560
DE-0204-07	Conical tank	3000	1850	1530
EU-0202-05	Brine Well 500L / 1000L			
EU-0202-11	Double bottom 500L			
EU-0202-12	Double bottom 1000L			
AV-0202-30	½" Overflow Elbow			
TU-1212-03	1" PVC wall plugs			
TU-1212-06	2" PVC wall plugs			
SE-0202-02	Stainless float level switch 1/2"			
SE-0202-04	Stainless float level switch 1"			
SE-0202-06	Stainless float level switch 1 1/4"			
SE-0202-08	Stainless float level switch 1 1/2"			
SE-0202-10	Stainless float level switch 2"			

CYLINDRICAL TANKS

Cylindrical tanks for storing solid or liquid products.

- Made of linear polyethylene with anti-UV additives. Food grade (health registration)
- All models have a lid
- Great chemical resistance. Chemical compatibility table available



CODE	MODEL	VOLUME (L)	DIAMETER (mm)	HEIGHT (MM)
DE-0202-01	Cylindrical tank	100	467	680
DE-0202-02	Cylindrical tank	150	530	800
DE-0202-03	Cylindrical tank	200	530	1050
DE-0202-04	Cylindrical tank	300	620	1230
EU-0202-01	Brine Well 100L			
EU-0202-02	Brine Well 150L			
EU-0202-03	Brine Well 200L Ø 98mm			
EU-0202-05	Brine Well 300L / 500L Ø 160 mm			
EU-0202-09	Salt grid 200L			
EU-0202-10	Salt grid 300L			
AV-0202-15	3/8" overflow elbow			



AQUA BLOCK TANKS

Modular tanks for storing drinking water and rainwater, made of opaque material, preventing the formation of algae.

- They are made of high-density polyethylene PEHD and pigmented in blue.
- The different shapes and dimensions, as well as its compact structure, make it easy to install, taking up minimal space.
- They can be installed individually or as a group of tanks.
- Made from 100% recyclable materials
- Provided with a 2" outlet hole at the bottom. DN250 top cover

CODE	MODEL	CAPACITY (L)	DIMENSIONS (mm)	ALTO (mm)	WEIGHT (Kg)
DE-8002-25	AQUATONNE tank	500	Ø lower 693 Ø superior 820	1375	18
DE-8002-02	Aqua Block Tank	750	735x735	1674	22
DE-8002-03	Aqua Block Tank	1000	780x780	1971	30
DE-8002-04	Aqua Block Tank	1000	1348x620	1710	37
DE-8002-05	Aqua Block Tank	2000	2100x740	1660	108
DE-8002-06	Aqua Block Tank	3000	1725x1150	1850	90
DE-8004-02	Kit A to install 500 / 750 / 1000 / 2000 / 3000				
DE-8004-03	Kit B to install 750/2000				
DE-8004-04	Kit B to install 1000 (660)				
DE-8004-12	Kit B to install 500 / 1000 (780)				
DE-8004-14	Kit B to install 3000				

To connect several tanks in a battery, you always need kit A for the first tank in the battery and as many kit Bs as there are additional tanks in the battery.



WELLMATE HYDROPNEUMATIC ACCUMULATORS

Tank made of polyethylene reinforced with fibreglass and epoxy resin.

- Valve and protective cap to ensure safety
- Polyurethane membrane with double welded joints to ensure resistance
- Replaceable membrane: facilitates field maintenance.
- Easy to carry, simple installation.
- Higher extraction factor than similarly sized steel tanks, to optimize efficiency.
- No oxidation in corrosive environments, which is particularly important in agricultural and livestock applications and in coastal regions.

CODE	CAPACITY (L)	HEIGHT (mm)	Ø (mm)	EXIT (mm)	CONNECTION	WEIGHT (Kg)	USABLE VOLUME (L)			
							1,5 - 3 BAR	2 - 3,5 BAR	3 - 4,5 BAR	3,5 - 5 BAR
DE-0604-02	60	680	410	40	1" BSP	7	22	19	16	15
DE-0604-03	75	820	410	40	1" BSP	9	27	24	20	18
DE-0604-04	120	1130	410	40	1" BSP	11	44	39	32	30
DE-0604-05	150	1450	410	40	1" BSP	14	55	49	40	37
DE-0604-06	180	1040	550	57	1 ¼" BSP	17	66	59	48	45
DE-0604-07	235	1080	610	64	1 ¼" BSP	23	86	77	63	58
DE-0604-08	330	1410	620	64	1 ¼" BSP	29	122	109	89	83
DE-0604-09	450	2020	620	195	2" BSP	45	166	148	121	112



STRUCTURAL BOTTLES

Epoxy resin bottles made of fiberglass reinforced polyester.

High corrosion resistance: very resistant to oxidation and corrosion by water and chemical agents. Easy to transport and install.

- Working pressure: 0 to 10.5 Kg/cm²
- Working temperature: 0° to 50°



CODE	MODEL	VOLUME (L)	DIAMETER (MM)	HEIGHT (MM)	CONNEC-TION
BP-0842-05	7 x 35	20.4	184	903	2 ½"
BP-0842-06	8 x 17	11	208	437	2 ½"
BP-0842-09	8 x 35	25.7	208	904	2 ½"
BP-0842-90	10 x 16	16.1	257	427	2 ½"
BP-0842-12	10 x 35	38.9	257	905	2 ½"
BP-0842-13	10 x 44	48	257	1124	2 ½"
BP-0842-14	10 x 54	60.7	257	1387	2 ½"
BP-0842-21	12 x 48	75.6	304	1235	2 ½"
BP-0842-17	13 x 54	103.1	334	1374	2 ½"
BP-0844-03	14 x 65	140	369	1660	4"
BP-0844-05	16 x 65	170	406	1650	4"
BP-0844-06	18 x 65	250	469	1746	4"
BP-0844-08	21 x 60	309	552	1640	4"
BP-0844-07	24 x 69	436	610	1890	4"
BP-0846-05	18 x 65	245	469	1890	4"- 4"
BP-0846-06	21 x 60	310	552	1770	4"- 4"
BP-0846-07	24 x 69	435	610	2020	4"- 4"
BP-0846-08	30 x 72	712	770	2050	4"- 4"
BP-0846-09	36 x 72	1072	927	2150	4"- 4"
BP-0848-08	42 x 78	1360	1074	2422	6"- 6"
BP-0848-09	48 x 82	1840	1226	2465	6"- 6"

Other models upon request.

CODE	MODEL
GRP BOTTLE ACCESSORIES	
AB-0402-01	Reduction from 4" to 2 ½"
AB-0202-13	Head 4"
VA-0409-32	Head 2 ½" IN-OUT 1"
VA-0409-34	Head 4" IN-OUT 2"

CODE	MODEL
DISTRIBUTOR KIT	
AB-0408-07	Top kit for bottles 14"-36" D.63
AB-0408-09	Bottom kit for bottles 14", 16" and 18" D.63
AB-0408-11	Bottom kit for bottles 21" and 24" D.63
AB-0408-13	Bottom kit for bottles 30" D.63
AB-0408-14	Bottom kit for bottles 36" D.63
AB-0408-32	Upper kit for bottles 42" y 48" DN80
AB-0408-21	Lower kit for 42" DN80 bottles
AB-0408-22	Lower kit for 48" DN80 bottles



WAVE CYBER BOTTLES

Epoxy resin bottles made of fiberglass reinforced polyester.

High corrosion resistance: very resistant to oxidation and corrosion by water and chemical agents. Easy to transport and install.

- Working pressure: 0 to 10.5 Kg/cm²
- Working temperature: 1° to 50°

CODE	MODEL	VOLUME (L)	Ø (mm)	H (mm)	CONNECTION	WEIGHT
BP-0802-02	7 x 13	19.1	182	898	2 ½"	1,4
BP-0802-05	7 x 35	19.1	182	898	2 ½"	3,4
BP-0802-06	8 x 17	11.5	207	459	2 ½"	2
BP-0802-09	8 x 35	24.8	207	898	2 ½"	4,15
BP-0802-90	10 x 17	15.60	258	403	2 ½"	6
BP-0802-12	10 x 35	38.4	258	897	2 ½"	5,1
BP-0802-13	10 x 44	50.1	258	1126	2 ½"	6,55
BP-0802-14	10 x 54	62.40	258	1386	2 ½"	7,9
BP-0802-21	12 x 48	79.5	310	1227	2 ½"	8,4
BP-0802-17	13 x 54	105.70	336	1398	2 ½"	10,8
BP-0804-03	14 x 65	148	363	1674	4"	14,8
BP-0804-05	16 x 65	194	413	1671	4"	18,65
BP-0804-06	18 x 65	269	486	1722	4"	30,5
BP-0804-08	21 x 62	344	555	1721	4"	33,5
BP-0804-07	24 x 72	473	626	1918	4"	54,2
BP-0804-12	30 x 72	697	780	1836	4"	90,5
BP-0804-13	36 x 72	1011	938	1856	4"	122,8
BP-0806-05	18 x 65	257	486	2027	4"- 4"	33,57
BP-0806-06	21 x 62	330	555	2064	4"- 4"	42,87
BP-0806-07	24 x 72	473	626	2168	4"- 4"	55
BP-0806-08	30 x 72	697	780	2139	4"- 4"	90,25
BP-0806-09	36 x 72	1011	938	2147	4"- 4"	123
BP-0810-08	42 x 72	1494	1089	2360	6"- 6"	215
BP-0810-09	48 x 72	1895	1233	2360	6"- 6"	247
BP-0810-18	63 x 86	3306	1625	2463	6"- 6"	360

Other models upon request.

CODE	MODEL
GRP BOTTLE ACCESSORIES	
AB-0402-01	Reduction from 4" to 2 ½"
AB-0202-13	Head 4"
VA-0409-32	Head 2 ½" IN-OUT 1"
VA-0409-34	Head 4" IN-OUT 2"

CODE	MODEL
DISTRIBUTOR KIT	
AB-0408-07	Top kit for bottles 14"-36" D.63
AB-0408-09	Bottom kit for bottles 14", 16" and 18" D.63
AB-0408-11	Bottom kit for bottles 21" and 24" D.63
AB-0408-13	Bottom kit for bottles 30" D.63
AB-0408-14	Bottom kit for bottles 36" D.63
AB-0408-32	Upper kit for bottles 42" y 48" DN80
AB-0408-21	Lower kit for 42" DN80 bottles
AB-0408-22	Lower kit for 48" DN80 bottles
AB-0408-36	Top kit for 63" bottles DN100
AB-0408-26	Bottom kit for 63" bottles DN100





HYDRANAUTICS MEMBRANES



CODE	MODEL	TYPE
LOW PRESSURE MEMBRANES		
ME-4012-04	ESPA1-4040	40x40
ME-4012-05	ESPA2-LD-4040	40x40
ME-4012-08	ESPA2-LD	80x40
ME-4012-09	ESPA2MAX	80x40
HIGH PRESSURE MEMBRANE		
ME-4010-06	CPA5-LD-4040	40x40
ME-4010-08	CPA5-LD	80x40

CSM MEMBRANES



CODE	MODEL	TYPE
LOW PRESSURE MEMBRANES		
ME-2012-02	RE2521-BLN	25x21
ME-2012-03	RE2540-BLN	25x40
ME-2012-06	RE4021-BLN	40x21
ME-2012-04	RE4040-BLN	40x40
ME-2012-07	RE8040-BLN	80x40
HIGH PRESSURE MEMBRANE		
ME-2008-02	RE2521-BE	25x21
ME-2008-03	RE2540-BE	25x40
ME-2008-06	RE4021-BE	40x21
ME-2008-05	RE4040-BE	40x40
ME-2008-07	RE8040-BE	80x40

OSPURA MEMBRANES



CODE	MODEL	TYPE
LOW PRESSURE MEMBRANES		
ME-4412-03	ULP-2540	25x40
ME-4412-05	ULP-4021	40x21
ME-4412-06	ULP-4040	40X40
ME-4412-08	ULP-8040-400	80X40
HIGH PRESSURE MEMBRANE		
ME-4410-02	BW-2521	25x21
ME-4410-03	BW-2540	25x40
ME-4410-05	BW-4021	40X21
ME-4410-06	BW-4040	40X40
ME-4410-08	BW-8040-400	80X40

STAINLESS STEEL MEMBRANE HOLDER



CODE	MODEL	PRESSURE	Ø (mm)	LONG. (mm)	CONN.
PO-0604-04	25 x 40	250psi	63	1030	¼"-3/8"
PO-0606-00	40 x 21	250psi	105	600	½"-¾"
PO-0606-01	40 x 40	250psi	105	1030	½"-¾"



WAVE CYBER MEMBRANE HOUSING

CODE	MODEL	ELEMENT Nº.	PRESSURE	PUERTO	ELEMENT Nº.
PO-2503-01	2.5" diaphragm holder	25x21	300psi	end-port	1
PO-2503-02	2.5" diaphragm holder	25x40	300psi	end-port	1
PO-2510-02	2.5" diaphragm holder	25x40	1000psi	end-port	1
PO-4003-01	4" membrane holder	40x40	300psi	end-port	1
PO-4003-02	4" membrane holder	2x40x40	300psi	end-port	2
PO-4003-03	4" membrane holder	3x40x40	300psi	end-port	3
PO-4003-04	4" membrane holder	4x40x40	300psi	end-port	4
PO-4010-01	4" membrane holder	40x40	1000psi	end-port	1
PO-8503-02	8" membrane holder	2x80x40	300psi	side-port 3R8R	2
PO-8503-03	8" membrane holder	3x80x40	300psi	side-port 3R8R	3
PO-8503-04	8" membrane holder	4x80x40	300psi	side-port 3R8R	4
PO-8503-08	8" membrane holder	5x80x40	300psi	side-port 3R4R8R	5
PO-8503-16	8" membrane holder	6x80x40	300psi	side-port 3R4R8R	6
OP-1002-15	Victaulic stainless steel 1½" 350psi				
OP-1002-06	Victaulic stainless steel 1½" weld fitting				
AI-1202-03	Victaulic 316 stainless steel plug 1½"				

WATER SOLENOID VALVES

CODE	MODEL
GC6110263	1" Normally Open Solenoid Valve 24V
GC6110273	1" Normally Open Solenoid Valve 220 V
GC6110251	1/2" Normally Closed Solenoid Valve 24V
GC6110253	1" Normally Closed Solenoid Valve 24V
GC6110255	1 ½" Normally Closed Solenoid Valve 24 V
GC6110256	2" Normally Closed Solenoid Valve 24V
GC6110231	Solenoid valve NC 1/2" 24V DC
GC6110233	Solenoid valve NC 1" 24V DC
GC6110235	Solenoid valve NC 1 1/2" 24V DC
GC6110236	Solenoid valve NC 2" 24V DC
GC6110241	Solenoid valve NC 1/2" 230V AC
GC6110242	Solenoid valve NC 1" 230V AC
GC6110245	Solenoid valve NC 1" 1/2 230V AC
GC6110246	Solenoid valve NC 2" 230 V AC
EV-0406-19	Solenoid valve INOX NC 1/2" 24V AC
EV-0406-20	Solenoid valve INOX NC 1" 24V AC
EV-0406-25	Solenoid valve INOX NC 1" 1/2 24V AC
EV-0406-26	Solenoid valve INOX NC 2" 24V AC
EV-0406-18	Solenoid valve INOX NC 1/2" 24V DC
EV-0406-22	Solenoid valve INOX NC 1" 24V DC
EV-0406-24	Solenoid valve INOX NC 1 1/2" 24V DC
EV-0406-27	Solenoid valve INOX NC 2" 24V DC
EV-0406-17	Solenoid valve INOX NC 1/2" 230V AC
EV-0406-21	Solenoid valve INOX NC 1" 230V AC
EV-0406-23	Solenoid valve INOX NC 1 1/2" 230V AC
EV-0406-28	Solenoid valve INOX NC 2" 230V AC

ROTATIVE ELECTRIC PUMP

CODE	MODEL	BY-PASS	CAUDAL MÁX. (L/h)	MAX PRESSURE (B to r)	MATERIAL	MOTOR	CONN.
BO-0201-02	Bomb body 200 OT	AND	206	14	Bronze	245 W	3/8"
BO-0202-01	Pump body 300 AISI	AND	315	14	AISI 303	245 W	3/8"
BO-0202-02	Pump body 400 AISI	AND	415	14	AISI 303	0,5 CV	3/8"
BO-0202-05	Pump body 600 AISI	AND	597	14	AISI 303	0,5 CV	1/2"
BO-0202-06	Pump body 800 AISI	AND	797	14	AISI 303	0,75 CV	1/2"
BO-0202-07	Bomb body 1000 AISI	AND	980	14	AISI 303	1 CV	1/2"
BO-0203-02	Flashlight for 1 HP engine						
BO-0203-06	Gasket for 1 HP flashlight						
BO-0204-02	Motor 245W for 300 - 400 AISI 0.33CV						
BO-0204-04	Motor 375W for 400 - 600 AISI 0.5CV						
BO-0204-05	550W motor for 600 - 800 AISI 0.75 HP						
BO-0204-06	Motor 750W for 1000 AISI 1CV						



CABINETS

EVER

Cabinet furniture made with thermoplastic resins

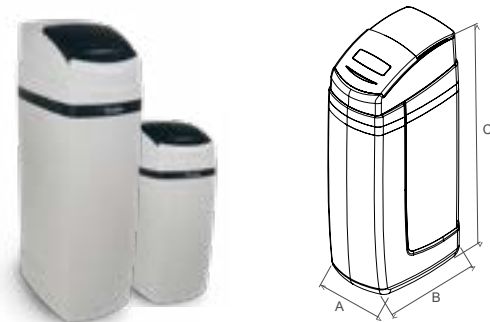
CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-2011-02	Cabinet Ever 9 L	270	450	479
MD-2011-04	Cabinet Ever 12 L	270	450	554
MD-2011-06	Cabinet Ever 18 L	270	450	707
MD-2011-08	Cabinet Ever 35 L	270	450	1038



KOBE

Polyethylene cabinet furniture.

CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-3200-02	Kobe 14 L Cabinet	351	523	705
MD-3200-04	Cabinet Kobe 22 y 35L	351	523	1134



AITANA

Cabinet furniture in blown polyethylene

CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-2002-04	Aitana Cabinet 30 L	310	425	1115



CURVE

Polyethylene cabinet furniture.

CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-3000-02	Cabinet Curve 24 L (base only)	350	540	843
MD-3010-00	Cabinet Curve 35 L (base only)	350	540	1180



CRYSTAL

Cabinet for domestic water softener with 8 to 35 litres of resin.

- Constructed of high-density blown polyethylene. Lid injected polypropylene.
- Standard color: white body and lid. Other colors on request. : grey body and black cap.

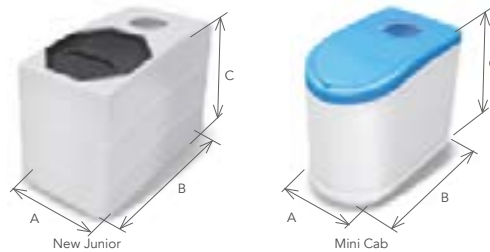
CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-0602-00	Crystal Mini 17 for 8 and 10x17 bottles	320	500	670
MD-0606-00	Crystal Maxi 35 for bottles 7,8 and 10x35	320	500	1140
EU-0406-04	Crystal furniture top			



NEW JUNIOR / MINI CAB

Cabinet for domestic 5-litre resin softener. Constructed of high-density blown polyethylene in white.

CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-0200-10	NEW JUNIOR Includes 7x13 bottle	240	435	330
MD-0200-12	MINI CAB Includes 7x13 bottle	220	365	333



ELEGANT

Cabinet for domestic water softener made of high-density white blown polyethylene.

CODE	MODEL	A (mm)	B (mm)	C (mm)
MD-0210-00	S. Maxi For bottle 8 and 10x35	310	425	1120





NORYL CLACK VALVES AND ACCESSORIES

WS1Ci CLACK VALVES NORYL

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3002-04	WS1Ci DF Volumétrica Noryl	1"	6	2 ½"	6"- 21"
VA-3002-08	WS1Ci UF Volumetric Noryl	1"	6	2 ½"	6"- 21"
VA-3002-14	WS1Ci Filtration Noryl	1"	6	2 ½"	6"- 21"
VA-3002-30	Twin Ci DF Noryl	1"	6,8	2 ½"	6"- 10"
VA-3002-32	Twin Ci DF Noryl	1"	6,8	2 ½"	12"- 21"
VA-3002-34	Twin Ci UF Noryl	1"	6,8	2 ½"	8"- 10"
VA-3002-36	Twin Ci UF Noryl	1"	6,8	2 ½"	12"- 21"
NORYL WS1Ci CLACK VALVE INCLUDES:					
AV-0202-16	Top distributor 1" bayonet				
AV-3002-04	Kit Racores IN/OUT 1" M fittings				
AV-3002-16	Transformer 220-240 V 12 V EU				
AV-3002-24	Drain elbow 3/4"				
AV-3002-25	Reinforcement of 3/4" drain tubing up to 21" bottles				
ACCESSORIES CLACK VALVE WS1Ci NORYL to complete the valve					
AV-0202-12	Tube and bottom distributor 1.05" 35" / 1m				
AV-0202-13	Tube and bottom distributor 1.05" 54" / 1.5m				
AV-0202-25	Tube and bottom distributor 1.05" 72" / 2m				
AV-0202-11	Double elbow 3/8"T x 3/8"T				
AV-0409-85	Salt suction rod 3/8" 1600				
AV-0410-09	Salt suction rod 1700				
AV-0432-03	Full elbow cane salt 1700				
TU-0602-03	Tubing 3/8"				
TU-0602-12	Tubing PE 12x9 mm				
NORYL WS1Ci CLACK VALVE OPTIONS					
AV-0409-93	SBV 2310 plastic safety level switch				
AV-3002-02	By-pass noryl Clack 1" - 1 ¼"				
AV-3002-03	Kit of 2 90° curved adapter elbows				
AV-3002-20	Clack assembly key				
AV-3002-22	Kit micro Clack for valves 1"-1 ½"				
VA-3002-12	Shut off valve NHB 1"-1 ¼"				
VA-3008-20	Motorized alternating valve 1 - 1 ¼" up to 16" bottles				
VA-3008-22	Motorized alternating valve 1 - 1 ¼" bottles 18" or larger				
AV-3020-08	Electronic board				

WS1.25Ci CLACK VALVES NORYL

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3003-12	WS1.25Ci Filtration Noryl	1 ¼"	7,7	2 ½"	13"- 21"
VA-3003-04	WS1.25Ci Volumetric Noryl	1 ¼"	7,7	2 ½"	13"- 21"
VA-3003-08	WS1.25Ci UF Volumetric Noryl	1 ¼"	7,7	2 ½"	13"- 21"
NORYL WS1.25Ci CLACK VALVE INCLUDES:					
AV-0464-01	Top distributor				
AV-3002-08	Kit racores IN/OUT 1 1/4" M recto				
AV-3002-16	Transformer 220-240 V 12 V EU				
ACCESSORIES CLACK VALVE WS1.25Ci NORYL to complete the valve					
AV-0464-02	Bottom diffusor				
TU-1606-04	PVC pipe Ø32 (2 meters)				

WS1.5Ci CLACK VALVES NORYL

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3004-42	WS 1.5 Ci Filtration NORYL				
VA-3004-24	WS1.5Ci DF NORYL	1 ½"	13,6	4"	12"- 24"
VA-3004-28	WS1.5Ci UF NORYL	1 ½"	13,6	4"	12"- 24"
VA-3004-34	WS1.5TT DF	1 ½"	13,6	4"	12"- 24"
VA-3004-38	WS1.5TT UF	1 ½"	13,6	4"	12"- 24"
NORYL WS1.5Ci CLACK VALVE INCLUDES:					
AV-0464-43	Crepina superior Clack 1 ½" Noryl				
AV-3002-16	Transformer 220-240 V 12 V EU				
AV-3002-24	Drain thread 3/4"				
AV-3002-25	Reinforcement of 3/4" drain tubing up to 21" bottles				
AV-3008-28	Straight drain 1" for 24" bottles				
ACCESSORIES CLACK VALVE WS1.5Ci NORYL to complete the valve					
AV-0410-04	Distributor tube + lower strainer 1 ½" L-1820 mm				
AV-0432-03	Full elbow cane salt 1700				
AV-0410-09	Salt suction rod 1700				
TU-0602-12	Tubing PE 12x9 mm				
OPTIONS CLACK VALVE WS1.5Ci NORYL					
AV-3002-20	Clack assembly key				
AV-3002-22	Micro Clack kit for valves 1"- 1 ½"				
AV-3020-08	Electronic plate				
AV-3004-22	Complete Clack Counter 1 ½" NORYL				
AV-3004-04	IN/OUT Connection Kit 1 ½" Straight Macho				
VA-3004-22	NORYL 1 ½" shut-off valve				
VA-3009-30	Alternating Duplex Kit Clack 1 ½" NORYL				

WS2Ci CLACK VALVES NORYL

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3005-40	WS2Ci DF NORYL	2"	26	4"	12"- 48"
VA-3005-44	WS2Ci UF NORYL	2"	26	4"	12"- 48"
VA-3005-48	WS2Ci Filtration	2"	26	4"	12"- 48"
NORYL WS2Ci CLACK VALVE INCLUDES:					
AV-0410-03	Clack 2" upper crepina				
AV-3002-16	Transformer 220-240 V 12 V EU				
ACCESSORIES CLACK VALVE WS2Ci NORYL to complete the valve					
AV-0410-04	Distributor tube + lower nozzle 1 ½" L-1820 mm				
AV-0220-25	Brine valve with float ASP 3/4" F F				
NORYL WS2Ci CLACK VALVE OPTIONS					
AV-3002-20	Clack assembly key				
AV-3402-04	WS2 auxiliary micro				
VA-3005-12	2" shut-off valve (not By-pass)				
VA-3008-40	3-way alternating motorized valve for 2" DUPLEX				
AV-3020-08	Electronic plate				
AV-3006-27	NORYL Clack 2" Complete Counter				
AV-3005-04	IN/OUT Connection Kit 2" Straight Male				
VA-3005-22	NORYL 2" shut-off valve				
VA-3009-40	Kit Duplex Alternating Duplex Clack 2' NORYL				



CLACK VALVES AND ACCESSORIES

WS1.5Ci CLACK VALVES

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3004-14	WS1.5Ci Filtration	1 ½"	13,6	4"	12"- 24"
VA-3004-04	WS1.5Ci Volumetric	1 ½"	13,6	4"	12"- 24"
VA-3004-08	WS1.5Ci UF Volumetric	1 ½"	13,6	4"	12"- 24"
WS1.5Ci CLACK VALVE INCLUDES:					
AV-0410-03	Crepina superior Clack 1 ½" / 2"				
AV-3002-16	Transformer 220-240 V 12 V EU				
AV-3002-24	3/4" drain thread				
AV-3002-25	Reinforcement of 3/4" drain tubing up to 21" bottles				
AV-3008-28	Straight drain 1" for 24" bottles				
CLACK VALVE ACCESSORIES WS1.5Ci to complete the valve					
AV-0410-04	Distributor tube + lower strainer 1 1/2 " L-1820 mm				
AV-0432-03	Full elbow cane salt 1700				
AV-0410-09	Salt suction rod 1700				
TU-0602-12	Tubing PE 12x9 mm				
WS1.5Ci CLACK VALVE OPTIONS					
AV-3002-20	Clack assembly key				
AV-3002-22	Micro Clack kit for 1"- 1 ½2 valves				
VA-3004-12	NHB 1 ½" Shut-off Valve				
VA-3008-30	3-way alternating motorized valve for 1 ½" DUPLEX				
AV-3020-08	Electronic plate				

WS2Ci CLACK VALVES

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3005-14	WS2Ci Filtration	2"	26	4"	12"- 28"
VA-3005-04	WS2Ci Volumetric	2"	26	4"	12"- 48"
VA-3005-08	WS2Ci UF Volumetric	2"	26	4"	12"- 48"
WS2Ci CLACK VALVE INCLUDES:					
AV-0410-03	Clack 2" top crepina				
AV-3002-16	Transformer 220-240 V 12 V EU				
WS2Ci CLACK VALVE ACCESSORIES to complete the valve					
AV-0410-04	Distributor tube + lower strainer 1 1/2 " L-1820 mm				
AV-0220-25	Brine valve with float ASP 3/4" F F				
WS2Ci CLACK VALVE OPTIONS					
AV-3002-20	Clack assembly key				
AV-3402-04	WS2 auxiliary micro				
VA-3005-12	2" shut-off valve (not By-pass)				
VA-3008-40	3-way alternating motorized valve for 2" DUPLEX				
AV-3020-08	Electronic plate				

WS2HF AND WS3H CLACK VALVES

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONNECTION	FOR BOTTLES
VA-3006-10	WS2HF Filtration	2"	28	6"/lateral	18"- 48"
VA-3006-12	WS2HF Softener	2"	28	6"/lateral	18"- 63"
VA-3010-10	WS3H Filtration	3"	56	6"/lateral	18"- 63"
VA-3010-12	WS3H Softener	3"	56	6"/lateral	18"- 63"
THE WS2HF CLACK VALVE AND WS3H INCLUDES:					
Transformer, side mount adapter and counter					
WS2HF CLACK VALVE ACCESSORIES AND WS3H to complete the valve					
VA-3005-12	2" shut-off valve for WS2HF				
VA-3010-14	3" shut-off valve for WS3H				
VA-3008-40	Clack 2" 3-way alternating motorized valve				
VA-3008-50	Clack 3" 3-way alternating motorized valve				
AV-3006-17	Counter 2" SS				
AV-3802-02	Counter 3" SS				
AV-3002-18	Extra relay plate				
AV-3004-14	RJ45 communication cable 5m				

AUTOTROL VALVES AND ACCESSORIES



AUTOTROL VALVES

CODE	VALVE	CONN.	MAX. FLOW (m³/h)	BOTTLE CON.	FOR BOTTLES
VA-0202-50	255-460 TC	1"	3,5	2 ½"	6" - 14"
VA-0202-03	255-460i Delayed Volumetric	1"	3,5	2 ½"	6" - 14"
VA-0202-25	255-760 Logix Volumetric Delayed	1"	3,5	2 ½"	6" - 13"
VA-0202-33	255-762 Volumetric	1"	3,5	2 ½"	6" - 13"
ACCESSORIES AUTOTROL 255					
AV-0204-65	Brass manifold with mixer for 255.1" Female				
AV-0204-70	Kit of O-rings (3 pcs) and screws (4 pcs) for By-pass or manifold				
AV-0204-66	Plastic Manifold for 255, 1" Male				
AV-0204-79	1" plastic manifold + Aitana model turbine				
AV-0202-50	By-pass for 255 connection 1"				
AV-0202-16	Upper crepine 1" bayonet for 255 / 263 / 268 / 273 / 278				
AV-0202-12	Tubo y crepa lower resin 1.05" 35" / 1m / para 255 / 263 / 268 / 273 / 278				
AV-0202-13	Tubo y crepa lower resin 1,05" 54" / 1,5m / para 255 / 263 / 268 / 273 / 278				
AV-0202-25	Tube and lower strainer resin 1.05" 72" / 2m / for 255 / 263 / 268 / 273 / 278				
AV-0202-19	Brine suction tube for 255				
AV-0202-10	Elbow aircheck 1/4"H x 3/8"T for 255				
AV-0202-11	Double elbow 3/8"T x 3/8"T for 255				
AV-0202-31	Drain fitting 1/2" Male for 255				
AV-0202-34	Drain Fitting 1/2" Female for By-pass 255				
AV-0202-56	Micro Kit 255-440 and 255-460i (old model, requires segmented shaft)				
AV-0224-23	Kit micro Logix valves 440 / 460 / 760 / 742 / 762 5 Amp				
AV-0202-14	Logix valve chlorine generator				
AV-0224-20	255 hardness mixing screw kit (equipment with By-pass) and plastic manifold				



PERFORMA AUTOTROL VALVES

CODE	VALVE	CONNECTION	CAUDAL MAX. (m³/h)	BOTTLE CON- NECTION	FOR BOTTLES
VA-0202-34	Valve 263-742F	1"	5	2 ½"	8" - 14"
VA-0202-07	CV 278-762 Performance	1"	5	2 ½"	12" - 21"
ACCESSORIES AUTOTROL PERFORMA					
AV-0202-16	Upper crepine 1" bayonet for 255 / 263 / 268 / 273 / 278				
AV-0202-12	Tube and crepina lower resin 1.05" 35" / 1m / para 255 / 263 / 268 / 273 / 278				
AV-0202-13	Tube and crepina lower resin 1.05" 54" / 1m / para 255 / 263 / 268 / 273 / 278				
AV-0202-25	Tube and crepina lower resin 1.05" 72" para 255 / 263 / 268 / 273 / 278				
AV-0202-35	3/4" Female Drain Fitting for 263/268/278				
AV-0204-69	Kit 2 nuts + 2 gaskets + 2 1" bronze fittings for By-pass 268 / 768				
AV-0202-54	Kit micro 263 / 268 5 Amp				



AUTOTROL MAGNUM VALVES

CODE	VALVE	CONNECTION	MAX. FLOW (m³/h)	BOTTLE CONN.	FOR BOTTLES
VA-0202-17	Magnum Filter 293-742F NHB	2"	14	4"	14"- 36"
VA-0202-13	Magnum 298-742 HWB Chronometric	2"	14	4"	14"- 36"
VA-0202-19	Magnum 298-742 NHB Chronometric	2"	14	4"	14"- 36"
VA-0202-20	Magnum 298-762 HWB Volumetric	2"	14	4"	14"- 36"
VA-0202-14	Magnum 298-762 NHB Volumetric	2"	14	4"	14"- 36"
VA-0202-16	Magnum Twin 298-764 Duplex	2"	14	4"	14"- 36"
ACCESSORIES AUTOTROL MAGNUM					
AV-0220-24	Kit of 3 2" BSP Magnum connection fittings				
AV-0220-10	Upper crepina Magnum				
AV-0220-11	Magnum resin tube				
AV-0220-15	Lower crepina Magnum				
AV-0220-25	Brine valve with float ASP 3/4" HF Magnum				
AV-0220-18	6 GPM drain regulator for 16" Magnum softener				
AV-0220-19	8 GPM Drain Regulator for 18" Magnum Softener				
AV-0220-20	12 GPM Drain Regulator for 21" Magnum Softener				
AV-0220-21	15 GPM Drain Regulator for 24" Magnum Softener				
AV-0220-22	25 GPM Drain Regulator for 30" Magnum Softener				
AV-0220-23	30 GPM Drain Regulator for 36" Magnum Softener				
AV-0221-49	Kit micro Magnum				
AV-0221-06	Magnum By-pass Cutting Cartridge				

PRX AND S10 VALVES AND ACCESSORIES



PRX valve



S10 valve

PRX AND S10 VALVE ACCESSORIES

CODE	VALVE	CONN..	MAX. FLOW (m³/h)	BOTTLE CONN.	FOR BOT-TLES
VA-7002-02SP	PRX valve with display	¾"	2,0	2 ½"	6"-10"
VA-5002-30	S10 volumetric UF valve with display	¾"	2,7	2 ½"	6"-10"
ACCESSORIES					
AV-0409-85	Salt suction tube 3/8" valves 1600				
TU-0602-03	Tubing de 3/8"				
AV-0409-87	3/8" safety level switch for cabinet				
AV-0202-12	Tube and bottom bracket 1.05" 35" / 1m / 5600 / 9000				
AV-0202-13	Tube and bottom bracket 1.05" 54" / 1.5m / 5600 / 9001				
AV-0202-25	Tube and lower strainer 1.05" 72" / 2m / 5600 / 9002				

CHEMICAL PRODUCTS

CODE	MODEL	PACKAGING
ION EXCHANGE RESINS		
PQ-0202-01Q	QUIMHIDRO strong cation resin	25L
PQ-0202-01	DOW Strong Cation Resin	25L
PQ-0202-03	Strong cation resin monosphere S1567 BAYER	25L
PQ-0202-02	Strong cation resin DI.CF	25L
PQ-0203-13	Strong anion resin Type I 3A	25L
PQ-0203-21	Strong anion resin Type II 2A	25L
PQ-0203-02	Nitrate selective anionic resin A-490	25L
PQ-0203-26	Mixed bed resin MI 700	25L
PQ-0204-04	Mixed bed resin color indicator MI 701	25L
PQ-0604-20	Ecomix	12L
PQ-0604-22	Ecomix	25L
MATERIAL FILTRANTE		
CU-939974	Cullsán 0,6 x 0,8	25Kg
CU-938694	Cullsán 2 x 3	25Kg
CU-751829	Cullsán 6 x 9	25Kg
CU-939280	Cullsán 10 x 18	25Kg
CU-760811	Cullsán 25 x 40	25Kg
CU-939658	Cullcite 0,8 x 2	25Kg
PQ-0602-21	Quimhidro Tx-Plus	28L
PQ-0602-12	Turbidex	28L
PQ-0602-15	Zeolita 1 - 2,5 mm	25Kg
HP-0408-20	Quimhidro Crystal 0.5 - 1 mm	20Kg
HP-0408-19	Stage 0 Quimhidro Crystal	20Kg
PQ-0602-11	Quimhidro calcite	25Kg
PQ-0602-02	Activated carbon from coconut shell	25Kg
PQ-0602-04	Special activated carbon for removing organic pesticides	25Kg
PQ-0602-10	Birm (Iron Removal)	28L
PQ-0602-09	Pirolusite	25Kg
PQ-0204-40	Cullax Arsenic	20Kg
CHEMICAL PRODUCT		
PQ-0402-01	Polyphosphate powder blister	6 x 80g
PQ-0402-02	Polyphosphate powder	1Kg
PQ-0403-02	Crystal polyphosphate	25Kg
PC-1002-15	Liquid polyphosphate for circuit protection sanitary water HW 15	25Kg
PQ-0402-04	Polyphosphate in glass	1Kg
CLEANING AND REGENERATING DECALCIFICATION		
PQ-0802-02	Softener salt in tablets	25Kg
PQ-1602-02	Resin cleaner	25 Envelopes
REVERSE OSMOSIS CLEANING AND PREVENTION		
PQ-0704-04	Bisulfite powder	25Kg
PC-1002-81	Liquid antifouling for HW*81 membranes	25Kg
PC-1002-82	Oxygen reducer for chlorine removal (Liquid) HW*82	25Kg
PQ-ADCL102-1	Alkaline membrane cleaner QUIMHIDRO 102	10Kg
PQ-ADCL109-1	QUIMHIDRO 109 membrane cleaner	10Kg
PQ-ADCL141-1	QUIMHIDRO 141 membrane disinfectant	10Kg
PC-2002-02	QUIMHIDRO RO-10 anti-fouling	25Kg
PC-2002-04	QUIMHIDRO RO-20 anti-fouling	25Kg
PC-2002-06	QUIMHIDRO PC-025 oxygen reducer	25Kg



INDUSTRIAL

DIVISION

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FILTRATION

We adapt the project to your needs.

Construction of BLUE TANK GRP filters, metal filters, cartridge filters, bags, washable mesh and all types of filter media.

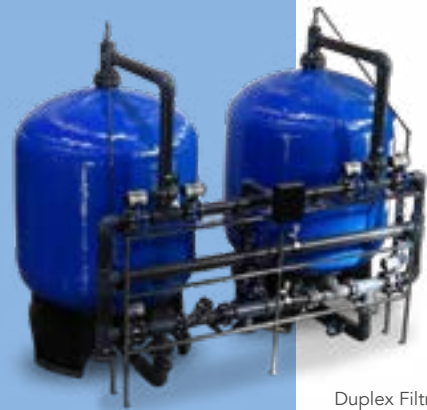
Deep bed filters Simplex, Duplex, Triplex, Quadruplex.

Types of filtration:

- Sediments: Cullsan, Cullcite, TX-Plus, Crystal Quimhidro, Turbidex
- Adsorption: coconut shell carbon, specific carbons for pesticide removal, carbon for organic matter removal, media for removing arsenic and other heavy metals
- Catalytic oxidation: iron and manganese removal (Birm, Pyrolusite)
- pH Neutralization: Calcita and Corosex



Filtration Simplex



Duplex Filtration



Triplex Filtration



Quadruplex Filtration



Double Triplex Filtration

AVAILABLE FILTERS

- Large diameter
- Made in carbon steel
- Made in GRP up to 3,000mm



ION EXCHANGE

INDUSTRIAL WATER SOFTENERS

DOWNFLOW

They operate automatically, working in cocurrent (DOWNFLOW), that is, both the water to be treated and the regenerating reagent circulate in the same direction.

Capacity of 200 to 3000L of resin

UPFLOW

Automatic counter-current operation (UPFLOW), meaning the direction of circulation of the regenerant is opposite to that of the water to be purified and generally occurs from bottom to top.

The great advantage of this system is its minimal consumption of reagents and water.

Capacity from 275 to 4000 liters of resin.

FLOATING BED

The equipment is prepared for automatic operation, working as a countercurrent system with purification in an ascending direction and regeneration in a descending direction.

Capacity from 275 to 4000 liters of resin.

INDUSTRIAL DEMINERALIZERS

DOUBLE COLUMN

Water from industrial wastewater can be reused in a large number of cycles, thus preserving this increasingly scarce resource. By making small contributions, water consumption can be reduced by up to 90%.

MIXED BED

Mixed bed demineralization equipment is used to obtain high purity demineralized water as a post-treatment for reverse osmosis systems. It is composed of cationic and anionic resins mixed in a column with valves, a regeneration system and a high quality electrical panel to facilitate shipping, installation and commissioning.

FILTER MEDIA

- TX PLUS: Elimination of water turbidity
- Coconut shell carbon: dechlorination of water and removal of taste and odor from water.
- Bituminous activated carbon: very suitable for the treatment of water with a predominance of intermediate molecular weight contaminants (herbicides, pesticides) and for the purification of well or surface water.
- Relite and Daiaon resins: use in drinking water, industries, process water and the agri-food industry.
- LABS resins: use in laboratories, pharmaceutical and food industries.



INDUSTRIAL OSMOSIS

MEMBRANE TECHNOLOGY

Microfiltration, ultrafiltration, nanofiltration, reverse osmosis and desalination plants.

Membrane technology is the most efficient barrier to suspended solids, bacteria, viruses, endotoxins and other pathogens for the production of high purity, low SDI water.

- Less footprint and weight
- Less sensitive to fluctuations in feed water quality
- Superior filter quality
- Less use of chemicals and therefore associated costs
- Possibility of isolating membranes individually for maintenance.

MAIN INDUSTRIAL APPLICATIONS OF RO:

- Boiler feed water
- Electroplating
- Ice production
- Water purification
- Electronics industry
- Cosmetic industry
- Pre/post treatment demineralizers

TYPES OF INDUSTRIAL OSMOSIS

- Commercial reverse osmosis
- Industrial reverse osmosis
- Reverse Osmosis Sea Water
- Reverse osmosis in container
- Reverse osmosis in sanitizable stainless steel
- Serial pretreatment

INDUSTRIAL REVERSE OSMOSIS MODELS

Brackish Water Series B and C

Reverse osmosis systems designed for the production of low salinity water, eliminating a large part of the impurities present and improving the quality of water for use in purification applications, service water and water from different semi-industrial and industrial processes. Equipment built with high quality materials and components with a studied compact and robust design in stainless steel structure.

Seawater SW4 Series

Reverse osmosis systems for seawater desalination, producing water with salinity below 500 ppm and removing impurities. Designed in high-quality maritime containers for easy transport and installation. Production from 1,500 L/h to 43,000 L/h. Includes several components such as state-of-the-art membranes, high-pressure pump, CIP cleaning system, and energy recovery system. Requires pretreatment and post-treatment depending on the quality of the water to be treated.

Double-pass reverse osmosis RO-DP4 series

Low production reverse osmosis systems for low salinity water. Compact and robust equipment with high quality components. They require pretreatment depending on the water quality. They include a prefilter, high pressure pump, high technology membranes, and other options according to customer needs.



Commercial reverse osmosis



Industrial reverse osmosis



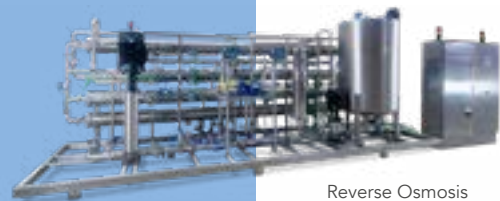
Reverse Osmosis Seawater



Reverse Osmosis in Container



Reverse Osmosis in Container



Reverse Osmosis in stainless steel sanitizable



Reverse Osmosis double step Serie RO-DP4



Compact Ultrafiltration System



Modular Ultrafiltration Skids



Pilot system Ultrafiltration

ULTRAFILTRATION

The membranes offer high efficiency and excellent performance in removing turbidity and bacteria from water with a low operating cost.

MAIN APPLICATIONS OF ULTRAFILTRATION IN INDUSTRY:

- Pretreatment
- RO Drinking water plants
- Tertiary treatment for water reuse. Mineral water purification
- Food industry
- Beverage industry

COMPACT ULTRAFILTRATION SYSTEMS

For high quality filtration in compact systems from 2,000 to 10,000 L/h. Used in water purification, wastewater treatment and more. Stainless steel equipment assembled with pumps and membranes to obtain quality water with low turbidity level.

MODULAR ULTRAFILTRATION SKIDS

Modular ultrafiltration SKIDS with 11 and 22 membrane modules for treating water. Made with a painted steel structure and supplied with inlet, concentrate and filtered water collectors. They can be adapted to existing installations or operate autonomously. They can also be customized according to project or customer specifications.

PILOT ULTRAFILTRATION SYSTEMS

Transportable pilot ultrafiltration systems with MEMPURE membranes for on-site testing in unknown waters or to ensure operation before final installation. Standard systems range from 0.2 to 2.5 m3/h and can be customized according to needs.



Ultrafiltration

COMPACT WATER TREATMENT PLANTS

Hidro-Water offers a solution for the purification of surface water sources (rivers, reservoirs, lakes), with a compact system.

Compact water treatment plants offer the following advantages:

- Quick start-up
- Portability
- Compact and rugged design
- Easy to operate
- Easy access to the entire plant
- High quality drinking water
- They comply with WHO requirements

PCA SERIES

Compact prefabricated plants for water purification for population centres with up to 40.000 inhabitants with flow rates of 240 to 6.000 m³/day.

PCAS plants are especially suitable for the purification of surface water (lakes, rivers, reservoirs, etc.).

Developed by HIDRO-WATER taking into account the recommendations of the World Health Organization (WHO)

EMERGENCY SERIES

Purification of brackish water, surface water and sea water for flow rates of 10 to 30 m³.

Suitable for the purification of any water source (river, well, sea...) and in difficult situations such as humanitarian aid, displaced troops or mobile camps.

Flow rates of 10 ÷ 30 m³/day.

Suitable for trailer or container mounting.



Water purification plant compact



Series Emergency



Water treatment plant

SEWAGE

PRETREATMENT

Wide range of equipment that allows capturing and removing a large quantity of large solid particles in raw water before it enters the treatment plant.

Availability of different mesh steps as well as installation in both channel and pipe

MINI SCREW: Designed to separate solids from domestic wastewater and thus prevent the arrival of coarse solids to the treatment plant, improving the overall performance of the system.

It can also be used for other industrial and municipal applications, always under the recommendations and supervision of our technicians.

SCREW IN MANHOLE : Screening prior to an industrial process, with capacity: 12 m³/hour in Urban Wastewater

ROTATING SIEVE : Designed to remove solids from wastewater by solid/ liquid separation with a continuous rotation system and internal washing. Built in stainless steel with filter cylinder and electromotive group. Compaction with circular mesh screen.

STATIC SIEVE : Effective device for separating solids and liquids in drinking, industrial and waste water. It consists of a frame body with a filter mesh that retains the solids while the water passes through. The design of wavy laminar profiles facilitates the distribution and collection of the water to be filtered. Three ramps with different functions allow the filtration and draining of the retained solids.

CHANNEL SIEVE: It is installed in channels to screen, transport and compact solids in urban and industrial wastewater. A screw with brushes cleans the screen and transports the solids to the compaction zone. The spiral slides on wear bars to prevent friction. The compaction zone includes a circular screen with mesh.

COMPACT PRETREATMENT PLANT: In wastewater treatment, mechanical pretreatment is essential to remove coarse solids, compact waste, desand and degrease. PTC plants can handle a flow rate of up to 540 m³/h.

SANDTERATOR: TD model desanders separate and extract sand from wastewater, with a stainless steel casing for pipe connection. The special design allows a laminar flow to decant sand of 200 microns.

POLYELECTROLYTE PREPARATOR: The polyelectrolyte preparator is used to prepare polymer powder solutions automatically. It is used to flocculate particles in waste water, with a simple and reliable working logic. Quality control is carried out via a control panel. The coagulant/ flocculant powder is dosed with a screw feeder and diluted in pressurized water before passing through different tanks with agitators to keep the solution moving.



Mini Screw



Screw in manhole



Our roto



Channel sieve



Compact pretreatment plant



Polyelectrolyte preparer



Volute

VOLUTE

TD model sand traps represent a set of equipment whose function is to separate and extract sand from wastewater of various types, with the subsequent cleaning of organic matter. This separator is inserted into a stainless steel housing prepared to connect the inlet and outlet pipes directly using flanges.

VOLUTE TECHNOLOGY

The structure of the Volute is made up of two types of rings: mobile and fixed, mounted on a screw that transports the sludge along it. Thanks to the design of the rings and the reduction of the space between them along the screw, it allows for an increase in pressure on the sludge, which improves its thickening and dehydration.

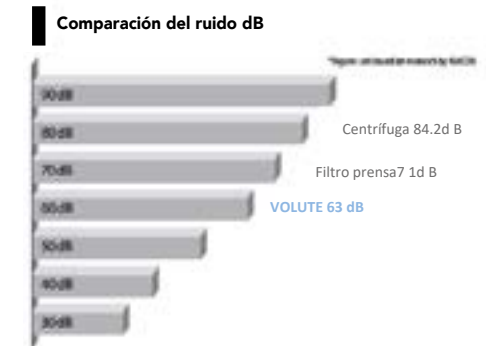
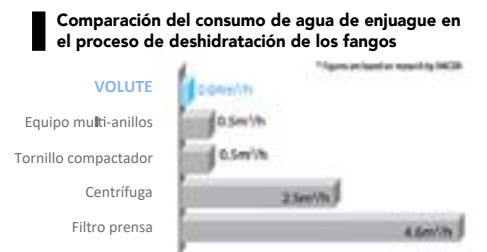
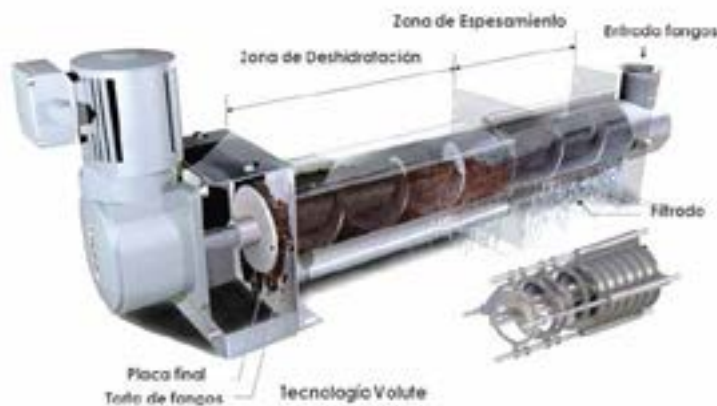
VOLUTE ADVANTAGES

- High resistance to greasy sludge
- Reduced installation space
- Energy saving
- Applicable for different applications
- Easy operation and maintenance
- Water saving
- Low noise and vibration
- Two years warranty

The Volute is a compact system that thickens and dewateres sludge in a single unit in a stable and safe manner, considerably reducing installation and maintenance costs.

VOLUTE is a pioneer in the category of low-rotation screw machines with a special design to apply pressure for sludge dewatering. This is why VOLUTE does not use centrifugal force and has very low electricity consumption.

Thanks to its clog-free design and self-cleaning system, it can work 24 hours a day without the need for an operator, requiring only periodic inspections and chemical loading.



Reactor MBR-K



Membrane MBR



Plant of MBR treatment



DAF in container

MBR

An MBR is a biological treatment using activated sludge where a membrane is incorporated to separate the clarified water from the mixed liquor, obtaining purified water of very high quality.

- Membranes replace secondary decantation
- Operates with high sludge concentrations.
- High permeate quality.
- Secondary decanters, filters or disinfection are not necessary.
- The membranes are located between the micro and ultrafiltration ranges. With an average pore size of 0.3 μm

MBR TREATMENT PLANTS

Designed to be installed in 20' or 40' ISO containers, with quick operation to obtain reusable water. Automatic and remote control with robust panel and corrosion-resistant materials to comply with international regulations.

DAF IN CONTAINER

The Dissolved Air Flotation (DAF) system in a container is Hidro-Water's "Plug and Play" solution to eliminate suspended solids, oils and fats from wastewater.

Water recycling takes place through several processes:

- The chemical is prepared "in situ" so that it can be dosed into the water to be treated.
- The coagulant is dosed, the pH is adjusted and the flocculant is added. This combination of elements allows the agglomeration of the colloids in the water to be treated. A floc of great uniformity and excellent characteristics for separation is obtained.
- This is how the conditioned water reaches the DAF. The system binds the microbubbles generated by the equipment to the flocs, reducing their specific weight and making them float to the top of the cell.
- Finally, the floating mass of waste that reaches the top is collected with a sweeper and pumped to a storage tank for further treatment.

The end result is a clean, solids-free effluent available to the customer.

DECANTATION

DECANTERS

For separating suspended solids in large quantities of water, with a compact structure. Designed for drinking and waste water, they consist of three zones: inlet, settling and sludge hopper. They are manufactured in different capacities and speeds depending on the type of water treated. Standard equipment handles flow rates of 16-80 m³/h with an ascending speed of 0.8 m/h.

Slats

Sedimentation is the most widely used unit process for carrying out solid-liquid separation. The AP polypropylene lamellar modules, made up of a multitude of independent hexagonal tubes, increase the specific surface area and cause accelerated sedimentation of the particles.

They have multiple applications, including: Secondary clarification of waste water (biological sludge), primary and tertiary treatment of waste water, physical-chemical treatment of industrial water, reuse of washing water in aggregate and marble quarries, etc.

GREY WATERS

Recycling grey water. Grey water is domestic waste water from showers, bathtubs and sinks. Water from kitchens, bidets, washing machines, dishwashers, industrial processes or those containing polluting chemicals and a high number of pathogens and faecal agents is excluded.

HIDRO-WATER's greywater recycling equipment recycles water for use in cisterns, garden irrigation, mopping and floor cleaning, saving more than 35% of the water we use.

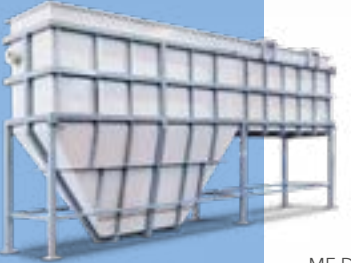
HIDRO-WATER GreyWater grey water recycling equipment consists of:

- Inlet tank + recycler
- Treated water tank and pressure group

As an option, we recommend colouring for commissioning. Configurations are standard, although they may vary technically depending on customer requirements or requirements.



DECLA decanter



MF Decanter



Lamellas



BOMBS

Pumps and pressure groups.

Compact constant pressure systems with variable speed drive integrated into the electrical panel.

- Three-phase power equipment mounted on a galvanized base or stainless steel structure.
- Includes sectioning keys, non-return valve, 0-10 Bar glycerin pressure gauge.
- Boiler not included.
- MANUAL - or - AUTOMATIC selector on each pump.
- On request, panel to operate with inverter or pressure switches using manual selector.
- Pilots running and thermal by pump.
- Low water warning light.
- 0-10 bar pressure transducer.
- Forced ventilation.

OZONE

Manufacturing of equipment for the production of Ozone for the disinfection of water and air.

The ozone generator is used in water and air treatments in different applications such as agriculture, swimming pools, laboratories and odor elimination. It has a touch screen to program treatments and converts oxygen into ozone, with the option to regulate the oxygen flow.

WATER LINE

Equipment designed to ozonize water, using ozone as a disinfectant or oxidizing agent, with the advantage that it does not form by-products harmful to health, nor does it add odor or flavor to the water, acting up to 3000 times faster than chlorine.

AIR LINE

Equipment designed and intended for deodorizing and disinfecting air in multiple applications such as: air conditioning installations, industrial cold rooms, fishing boat holds, oil platforms, cold rooms with high humidity, etc.

GENERAL SALES CONDITIONS

ORDERS

All orders must be submitted in writing, according to our reference numbers and descriptions. The order will only be considered confirmed once received in writing.

DELIVERY DATES

Delivery dates are approximate, all efforts will be made to comply with given dates. Delays do not entitle the buyer to any compensation or penalisation.

PRICES

Prices are always understood to be “EX-WORKS”, the buyer being responsible for all taxes, duties, and any other expense. Prices in euros. VAT not included.

Price modifications will be confirmed to the buyer in writing, (e-mail, letter etc.), before the sale is confirmed. In case the buyer is considered not informed, they may cancel the order, but in no case will the seller be obliged to sell the product at the old pricing.

OFFERS

This offer does not include any improvements that the customer may request and that are not expressly indicated in this document. Any material, equipment and/or service not mentioned is excluded from the quotation.

TRANSPORT

Goods travel under the responsibility and at the risk of the buyer even when delivery has been paid.

Before accepting the merchandise, the buyer must check that the shipment is in perfect conditions. In case of any irregularity in the delivery, the buyer must mark this on the delivery docket of the transport company.

In the event of damages that are not visible from the outside, the client should advise the carrier in less than 24 hours and provide us with written notification of the incidence.

If the anterior instructions are not observed, no claims can be accepted.

MINIMUM ORDERS

The minimum order value will be 200€. Exceptionally smaller orders can be accepted, with a surcharge of 20€. These orders will always have advanced payment conditions.

WARRANTY

Hidro-Water, S.L.U., offers a guarantee in the event of non-conformity of the goods marketed for repair or replacement and when the price reduction or termination of the contract is justified, under the terms established by law.

The warranty includes the costs necessary to bring the goods into conformity, the costs of shipping, transport, labour or materials.

The warranty does not include goods that suffer wear and tear due to their use, incorrect installation, use different from the defined use, use that does not comply with the technical specifications, repair or modification of the goods by personnel outside Hidro-Water S.L.U. or non-authorised technical services.

For the application of the guarantee, you must contact the seller of the goods, indicate the lack of conformity of the goods and present a sales document, invoice or ticket indicating the product.

The guarantee is managed by the VENDOR who must fill in the RMA (Return Merchandise Authorisation) or SAT (Technical Assistance Request) form, which is provided when the non-conformity is reported.

The warranty applies to the Spanish territory for a period of 3 years after purchase of the product by the consumer (products purchased after 31/12/2021) for products covered by R.D.L. 7/2021 and a period of 2 years for the rest of the products.

The warranty applies to the territory of the European Union for a period of 2 years after purchase of the product by the consumer for products covered by the EU directive 2019/771 and a period of 1 year for all other products.

The warranty for repaired or replaced goods shall be 1 year for products purchased after 31/12/2021 and 6 months for products purchased before 1/1/2022.

PAYMENT CONDITIONS

All payments shall be considered advanced payment, except agreement is reached for other payment conditions. All taxes and other charges will be assumed by the buyer. Any delay in payment will result in the application of 3% interest per month, without written notification by the seller.

All changes in payment terms will be confirmed by the buyer in writing.

Any bank and legal charges which may arise as the result of non-payment be assumed by the buyer.

RETURNS

Returns that are not due to shipment errors made by the seller will not be accepted.

In no case will any return be accepted that have not been notified beforehand and accepted by the commercial department.

In case an agreement is reached, the goods must be returned perfectly packed, delivery paid, to our warehouse. In order for the return to be accepted, the original invoice and the order must be provided, and the return form must be filled in.

CANCELLATION

Without prejudice to other claims that may correspond, we reserve the right to rescind or cancel any operation, in the event of breach of any of the aforementioned conditions, as well as total or partial non-payment of an order, or in delay in payment of previous supplies.

RESERVATION OF OWNERSHIP

The seller maintains ownership of the sold merchandise until the buyer has fully satisfied its amount, and has the right to collect the sold goods totally or partially at any time, until full payment has been made.

JURISDICTON

Any dispute between the parties will be subject to the exclusive jurisdiction and competence of the Courts and Tribunals of the city of Valencia (Spain).