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EQUIPMENT LIST

VLS
Technologies

SOLUTIONS FOR LIQUID PROCESSING

D.E. FILTER WITH HORIZONTAL SCREENS MANUAL DISCHARGE

FOB 2-3-4-5

Standard version in stainless steel AISI 304 with frame on wheels composed by:

- Filter chamber with pressure gauge and safety valve.
- Bell lifting device.
- Dosing tank for filter aids preparation completed with agitator and AISI 304 membrane dosing pump with adjustable flow.
- Centrifugal feed pump made in AISI 304.
- Inlet product piping complete with DIN fittings and accessories with butterfly valves (one for product inlet) and sightglass.
- Ball valve for flow regulation.
- Outlet product piping completed with fittings DIN and accessories with butterfly valves (one for product outlet), flow meter and sightglass.
- Horizontal filtering sectors in stainless steel AISI 304 with AISI 316 screens.
- Residual filter: discharge of the filter thanks to a dedicated disk, with the same pump of the filter, no compressed air required.
- Control board in PVC, IP 55 protection.
- Voltage standard 400/3/50 Hz.
- Plastic tray for cake collecting at the end of filtration.

FOB-BVA 2-3-4-5 BEER EXECUTION

Standard version in stainless steel AISI 304 with frame on wheels composed by:

- Filter chamber with sanitary pressure gauge, safety valve. Bell lifting device. Smooth weldings, without stagnant areas, silicon / epdm gaskets.
- Dosing tank (with closed lid) for filter aids preparation complete with agitator and AISI 304 membrane dosing pump with inox head and adjustable flow. Male part DIN connection for de-aerated water on dosing lid. Male part DIN connection for prearrangement CO2 with syntherized candle on shell.
- Centrifugal feed pump made in AISI 304, with inox impeller. Beer breather device on head of the pump. Multiposition valve for inlet flow regulation.
- Inlet product piping completed with fittings DIN and accessories with butterfly valves (two for product inlet) and sightglass.
- Outlet product piping completed with DIN fittings and accessories with butterfly valves (two for product outlet), flow meter and sightglass.
- Ball valve for flow regulation.
- Horizontal filtering sectors in stainless steel AISI 304 with AISI 316 screens, AISI 304 spacers.
- Residual filter: discharge of the filter thanks to a dedicated disk, with the same pump of the filter, no compressed air required.
- Plastic tray for cake collecting at the end of filtration.
- Control board in pvc, IP55 protection. Voltage standard 400/3/50 Hz.



D.E. FILTER WITH HORIZONTAL SCREENS MANUAL DISCHARGE

Code	DESCRIPTION
FOB-2	D.E. FILTER 2 M2
	AISI 316 CONTACT PARTS
FOB-3	D.E. FILTER 3 M2
	AISI 316 CONTACT PARTS
FOB-4	D.E. FILTER 4 M2
	AISI 316 CONTACT PARTS
FOB-5	D.E. FILTER 5 M2
	AISI 316 CONTACT PARTS
	ADDITIONAL FOR SPECIAL VOLTAGE
	ADDITIONAL FOR SPECIAL FITTINGS
	AISI 304 PRO EC ION FOR FEED PUMP
	HINGED LID ON HE MIXING VESSEL
FOB-2-BVA	D.E. FILTER - BEER EXECUTION 2 M2
FOB-3-BVA	D.E. FILTER - BEER EXECUTION 3 M2
FOB-4-BVA	D.E. FILTER - BEER EXECUT ON 4 M2
FOB-5-BVA	D.E. FILTER - BEER EXECUT ON 5 M2
	ADDITIONAL FOR SPECIAL VOLTAGE
	ADDITIONAL FOR SPECIAL FITTINGS
	AISI 304 PROTECTION FOR FEED PUMP
	STANDARD PACKING (NYLON + PALLET) - net value
	IPPC/FAO PACKING (NYLON + PALLET) - net value
	IMBALLO IPPC/FAO (PALLET + NYLON)

D.E. FILTER WITH VERTICAL SCREENS AUTOMATIC DISCHARGE

FVV 5-7-10-15-20-35

Standard version in stainless steel AISI 304 with frame on wheels composed by: - Filter chamber with pressure gauge, pressure switch, dished lid with C clamps, big diameter valve at the bottom for cake discharge, electrical motor vibrator for dry cake discharge.

- Dosing tank for filter aids preparation completed with agitator and membrane dosing pump with adjustable flow.
- Product inlet pipes complete with connections and accessories with two butterfly valves for product inlet, valves for different services, feed pump in stainless steel AISI 304 with pre-filter, lighted sightglass.
- Product outlet pipes completed with connections and accessories with valves for different services, flowrate indicator, lighted sightglass, sample valve and one butterfly valve for product outlet.
- Pipes for filter washing completed with connections and accessories, with valve for washing solution inlet and pipe with nozzles for filtering screens washing.
- Filtering sectors in stainless steel AISI 304 80 micron screens in stainless steel AISI 316.
- Control board in polyester reinforced with fiberglass self extinguish, IP 65 protection.
- Separated AISI 304 control board (FVV 35)
- Plastic tray for cake collecting at the end of filtration (FOC 5)
- Stainless steel trolley on wheels for cake collecting at the end of filtration (bigger dimensions).
- Voltage standard 400/3/50 Hz.



D.E. FILTER WITH VERTICAL SCREENS AUTOMATIC DISCHARGE

FVV-BVA 5-7,5-10-15-20-35 BEER EXECUTION

Standard version in stainless steel AISI 304 with frame on wheels composed by:

- Sanitary execution (smooth weldings, without stagnant areas, dosing tank for kieselguhr with smooth convex bottom, silicon gaskets) .
- Filter chamber with pressure gauge, pressure switch, dished lid with clamps, big diameter valve at the bottom for cake discharge, electrical motor vibrator for cake dry discharge.
- Breather device on filter chamber placed in the higher position in order to avoid that air remains in contact to beer. The breather pipe is in stainless steel, complete with tubular sightglass and safety valve.
- Dosing tank for filter aids preparation completed with sanitary gate agitator and membrane dosing pump with adjustable flow and stainless steel head.
- Male part connection DIN DN25 for de-aerated water on dosing lid. Male part connection DIN DN40 for prearrangement CO₂ with porous candle on shell, 40 mm from bottom.
- Pre-filter in the dosing tank; the suction pipe that connects dosing tank to prefilter is joint before the pre-filter so that the liquid come in the cartridge and is cleaned from big diameter impurities.
- Centrifugal feed pump made in AISI 304, sanitary type with inox impeller (pump body demountable with clamp) completed with pre-filter and total drainage.
- Beer breather device on head pump. Butterfly valves. Valve for feeding flow regulation obturator type.
- Sanitary connections DIN 11851.
- Presurization device complete of interception valve.
- Product inlet pipes completed with connections and accessories with two butterfly valves for product inlet, valves for different services, lighted sightglass.
- Product outlet pipes completed with connections and accessories with two butterfly valves for product outlet, valves for different services, flowrate indicator, lighted sightglass, sample valve and additional pressure gauge on filtrate pipe.
- Pipes for filter washing complete with connections and accessories, with valve for washing solution inlet and pipe with nozzles for filtering screens washing.
- Filtering sectors in stainless steel AISI 304, 80 micron screens in stainless steel AISI 316.
- Control board in polystere reinforced with fiberglass self extinguish, IP 65 protection.
- Separated AISI 304 control board (FVV 35 BVA).
- Plastic tray for cake collecting at the end of filtration (FVV 05 BVA)
- Stainless steel trolley on wheels for cake collecting at the end of filtration (bigger dimensions).
- Voltage standard 400/3/50 Hz.



D.E. FILTER WITH VERTICAL SCREENS AUTOMATIC DISCHARGE

CODE	DESCRIPTION
FVV-5	D.E. FILTERS WITH VERTICAL SCREENS 5 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	DOUBLE EXIT
	AISI 304 CARTRIDGE RESIDUAL FILTER
	EPDM GASKETS
	VITON GASKE S
	PRODUCT CONTACT PARTS IN S/S AISI 316
	AISI 304 PRO ECTION FOR FEED PUMP
	HINGED LID ON THE MIXING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION T OLLEY FOR CAKE COLLECTING
	ADDITION BUSHED MAN FOLD
	ADDITION BEER EXECUT ON
	ANTIVIBRATING SUPPORTS
	ADDITION FOR SPECIAL VOLTAGE
	FVV-7,5
STANDARD PACKING (NYLON + PALL T) - NET VALUE	
IPPC/FAO PACKING (NYLON + PALL T) - N T VALUE	
<i>ACCESSORIES</i>	
DEDUCTION TROLLEY FOR CAKE COLLECTING	
VACUUM GAUGE ON INLET PREFILTER	
DIN MANOMETER	
TOTAL BREATHING DEVICE	
DOUBLE EXIT	
HORIZONTAL SCREENS RESIDUAL FILTER	
EPDM GASKETS	
VITON GASKETS	
PRODUCT CONTACT PARTS IN S/S AISI 316	
AISI 304 PROTECTION FOR FEEDING PUMP	
HINGED LID ON THE MIXING VESSEL	
ADDITIONAL MONOTYPE PUMP CONNECTED WITH S/S PIPING	
ADDITION BUSHED MANIFOLD	
ADDITION EXECUTION BEER	
ANTIVIBRATING SUPPORTS	
ADDITION FOR SPECIAL VOLTAGE	

D.E. FILTER WITH VERTICAL SCREENS AUTOMATIC DISCHARGE

CODE	DESCRIPTION	
FVV-10	D.E. FILTERS WITH VERTICAL SCREENS 10 M2 - AUTOMATIC DISCHARGE	
	STANDARD PACKING (NYLON + PALLET) - NET VALUE	
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE	
	<i>ACCESSORIES</i>	
	DEDUCTION TROLLEY FOR CAKE COLLECTING	
	VACUUM GAUGE ON INLET PREFILTER	
	DIN MANOMETER	
	TOTAL BREATHING DEVICE	
	DOUBLE EXIT	
	HORIZONTAL SCREENS RESIDUAL FILTER	
	EPDM GASKE S	
	VITON GASKE S	
	PRODUCT CONTACT PARTS IN S/S AISI 316	
	AISI 304 PRO ECTION FOR FEEDING PUMP	
	HINGED LID ON THE MIXING VESSEL	
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING	
	ADDITION BUSHED MAN FOLD	
	ADDITION BEER EXECUT ON	
	ANTIVIBRATING SUPPORTS	
	ADDITION FOR SPECIAL VOLTAGE	
	FVV-15	D.E. FILTERS WITH VERTICAL SCR NS 15 M2 - AUTOMATIC DISCHARGE
		STANDARD PACKING (NYLON + PALL T) - NET VALUE
		IPPC/FAO PACKING (NYLON + PALL T) - N T VALUE
<i>ACCESSORIES</i>		
DEDUCTION TROLLEY FOR CAKE COLLECTING		
VACUUM GAUGE ON INLET PREFILTER		
DIN MANOMETER		
TOTAL BREATHING DEVICE		
DOUBLE EXIT		
HORIZONTAL SCREENS RESIDUAL FILTER		
EPDM GASKETS		
VITON GASKETS		
PRODUCT CONTACT PARTS IN S/S AISI 316		
AISI 304 PROTECTION FOR FEEDING PUMP		
HINGED LID ON THE MIXING VESSEL		
ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING		
ADDITION BUSHED MANIFOLD		
ADDITION BEER EXECUTION		
ANTIVIBRATING SUPPORTS		
ADDITION FOR SPECIAL VOLTAGE		

D.E. FILTER WITH VERTICAL SCREENS AUTOMATIC DISCHARGE

CODE	DESCRIPTION	
FVV-20	D.E. FILTERS WITH VERTICAL SCREENS 20 M2 - AUTOMATIC DISCHARGE	
	STANDARD PACKING (NYLON + PALLET) - NET VALUE	
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE	
	<i>ACCESSORIES</i>	
	DEDUCTION TROLLEY FOR CAKE COLLECTING	
	VACUUM GAUGE ON INLET PREFILTER	
	DIN MANOMETER	
	TOTAL BREATHING DEVICE	
	DOUBLE EXIT	
	HORIZONTAL SCREENS RESIDUAL FILTER	
	EPDM GASKE S	
	VITON GASKE S	
	PRODUCT CONTACT PARTS IN S/S AISI 316	
	AISI 304 PRO ECTION FOR FEEDING PUMP	
	HINGED LID ON THE MIXING VESSEL	
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING	
	ADDITION BUSHED MAN FOLD	
	ADDITION BEER EXECUT ON	
	ANTIVIBRATING SUPPORTS	
	ADDITION FOR SPECIAL VOLTAGE	
	FVV-35	D.E. FILTERS WITH VERTICAL SCR NS 35 M2 - AUTOMATIC DISCHARGE
		STANDARD PACKING (NYLON + PALL T) - NET VALUE
		IPPC/FAO PACKING (NYLON + PALL T) - N T VALUE
<i>ACCESSORIES</i>		
DEDUCTION TROLLEY FOR CAKE COLLECTING		
PNEUMATIC LIFTING DEVICE FOR LID REMOVAL		
VACUUM GAUGE ON INLET PREFILTER		
DIN MANOMETER		
TOTAL BREATHING DEVICE		
DOUBLE EXIT		
VERTICAL SCREENS RESIDUAL FILTER		
EPDM GASKETS		
VITON GASKETS		
PRODUCT CONTACT PARTS IN S/S AISI 316		
AISI 304 PROTECTION FOR FEEDING PUMP		
HINGED LID ON THE MIXING VESSEL		
ADDITION BEER EXECUTION		
ANTIVIBRATING SUPPORTS		
ADDITION FOR SPECIAL VOLTAGE		

D.E. FILTER WITH HORIZONTAL SCREENS CENTRIFUGAL DISCHARGE

FOC 5-8-10-15-20

Standard version in stainless steel AISI 304 with frame on wheels featuring: -

- Filter chamber with sightglass DIN11851, pressure gauge, pressure switch, dished lid with C clamps, big diameter valve at the bottom for cake discharge, motor for screens rotation for centrifugal cake discharge.
 - Dosing tank for filter aids preparation completed with gate agitator and membrane dosing pump with adjustable flow.
 - Product inlet pipes completed with connections and accessories with two butterfly valves for product inlet, valves for different services, feed pump in stainless steel AISI304 with pre-filter, lighted sightglass.
 - Filtering sectors in stainless steel AISI304 80 micron screens in stainless steel AISI 316.
 - Product outlet pipes completed with connections and accessories with valves for different services, pressure gauge, flowrate indicator, lighted sightglass, sample valve and one butterfly valve for product outlet.
 - Pipes for filter washing completed with connections and accessories, with valve for washing solution inlet and pipe with nozzles for filtering screens washing.
 - Control board in polyester reinforced with fiberglass self extinguish, IP65 protection.
 - Plastic tray for cake collecting at the end of filtration.
 - Stainless steel cart for cake collecting at the end of filtration (for large size versions).
- Voltage standard 400/3/50 Hz.



D.E. FILTER WITH HORIZONTAL SCREENS CENTRIFUGAL DISCHARGE

FOC-BVA 5-8-10-15-20 BEER EXECUTION

Standard version in stainless steel AISI 304 with frame on wheels featuring:

- Sanitary execution (smooth weldings, without stagnant areas, dosing tank for D.E. with smooth convex bottom, silicon gaskets).
- Filter chamber with pressure gauge, pressure switch, dished lid with clamps, big diameter valve at the bottom for cake discharge, motor for screens rotation for centrifugal cake discharge.
- Breather device on filter chamber placed in the higher position in order to avoid that air remains in contact to beer.
- Breather pipe is in stainless steel, complete with tubular sightglass and safety valve.
- Dosing tank for filtering aids preparation completed with hinged lid, sanitary gate agitator and membrane dosing pump with adjustable flow and stainless steel head.
- Male part connection DIN DN25 for de-aerated water on dosing lid. Male part connection DIN DN40 for prearrangement CO₂ with porous candle on shell, 40 mm from bottom.
- Centrifugal feed pump made in AISI 304, sanitary type with inox impeller (pump body demountable with clamp) completed with pre-filter and total drainage. Beer breather device on head pump. Butterfly valves. Valve for inlet flow regulation obturator type.
- Sanitary connections DIN 11851.
- Presurization device complete of interception valve.
- Product inlet pipes completed with connections and accessories with two butterfly valves for product inlet, valves for different services, lighted sightglass.
- Product outlet pipes completed with connections and accessories with two butterfly valves for product outlet, valves for different services, flowrate indicator, lighted sightglass, sample valve and additional pressure gauge on filtrate pipe.
- Pipes for filter washing complete with connections and accessories, with valve for washing solution inlet and pipe with nozzles for filtering screens washing.
- Filtering sectors in stainless steel AISI 304, 80 micron screens in stainless steel AISI 316.
- AISI 304 spacers among filtering sectors.
- Plastic tray for cake collecting at the end of filtration (FOC 5 BVA)
- Stainless steel trolley on wheels for cake collecting at the end of filtration (bigger dimensions).
- Control board in polyester reinforced with fiberglass self extinguish, IP 65 protection.
- Voltage standard 400/3/50 Hz.



D.E. FILTER WITH HORIZONTAL SCREENS CENTRIFUGAL DISCHARGE

CODE	DESCRIPTION
FOC-5	D.E. FILTERS 5 M2 WITH HORIZONTAL SCREENS AND CENTRIFUGAL DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	STAINLESS STEEL SPACERS
	DOUBLE EXIT
	AISI 304 CARTRIDGE RESIDUAL FILTER
	EPDM GASKE S
	VITON GASKE S
	PRODUCT CON ACT PARTS IN S/S AISI 316
	AISI 304 PRO EC ION FOR FEED PUMP
	HINGED LID ON THE MIXING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION FOR CAKE COLLECT NG STAINLESS STEEL TROLLEY
	ADDITION FOR BEER EXECUT ON
	ANTIVIBRATING SUPPORTS
	ADDITION SPECIAL VOLTAGE
FOC-8	D.E. FILTER 8 M2 WITH HORIZONTAL SCR NS AND CENTRIFUGAL DISCHARGE
	STANDARD PACKING (NYLON + PALL T) - N T VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - N T VALUE
	ACCESSORIES
	DEDUCTION FOR CAKE COLLECTING STAINLESS STEEL TROLLEY
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	STAINLESS STEEL SPACERS
	DOUBLE EXIT
	HORIZONTAL SCREENS RESIDUAL FILTER
	EPDM GASKETS
	VITON GASKETS
	PRODUCT CONTACT PARTS IN S/S AISI 316
	AISI 304 PROTECTION FOR FEED PUMP
	HINGED LID ON THE MIXING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION BEER EXECUTION
	ANTIVIBRATING SUPPORTS
	ADDITION SPECIAL VOLTAGE

D.E. FILTER WITH HORIZONTAL SCREENS CENTRIFUGAL DISCHARGE

CODE	DESCRIPTION
FOC-10	D.E. FILTERS 10 M2 WITH HORIZONTAL SCREENS AND CENTRIFUGAL DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION FOR CAKE COLLECTING STAINLESS STEEL TROLLEY
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	STAINLESS STEEL SPACERS
	DOUBLE EXIT
	HORIZONTAL SCREENS RESIDUAL FILTER
	EPDM GASKETS
	VITON GASKETS
	PRODUCT CONTACT PARTS IN S/S AISI 316
	AISI 304 PROTECTION FOR FEEDING PUMP
	HINGED LID ON THE MIXING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION BEER EXECUTION
	ANTIVIBRATING SUPPORTS
	ADDITION SPECIAL VOLTAGE
FOC-15	D.E. FILTERS 15 M2 WITH HORIZONTAL SCREENS AND CENTRIFUGAL DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION FOR CAKE COLLECTING STAINLESS STEEL TROLLEY
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	STAINLESS STEEL SPACERS
	DOUBLE EXIT
	HORIZONTAL SCREENS RESIDUAL FILTER
	EPDM GASKETS
	VITON GASKETS
	PRODUCT CONTACT PARTS IN S/S AISI 316
	AISI 304 PROTECTION FOR FEEDING PUMP
	HINGED LID ON THE MIXING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION BEER EXECUTION
	ANTIVIBRATING SUPPORTS
	ADDITION SPECIAL VOLTAGE

D.E. FILTER WITH HORIZONTAL SCREENS CENTRIFUGAL DISCHARGE

CODE	DESCRIPTION
FOC-20	D.E. FILTERS 20 M2 WITH HORIZONTAL SCREENS AND CENTRIFUGAL DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION FOR CAKE COLLECTING STAINLESS STEEL TROLLEY
	VACUUM GAUGE ON INLET PREFILTER
	DIN MANOMETER
	TOTAL BREATHING DEVICE
	STAINLESS STEEL SPACERS
	DOUBLE EXIT
	HORIZONTAL SCREENS RESIDUAL FILTER
	EPDM GASKE S
	VITON GASKE S
	PRODUCT CONTACT PARTS IN S/S AISI 316
	AISI 304 STAINLESS STEEL PROTECTION FOR FEED PUMP
	HINGED LID ON DOSING VESSEL
	ADDITION MONOTYPE PUMP CONNECTED WITH S/S PIPING
	ADDITION BEER EXECUTION
	ANTIVIBRATING SUPPORTS
	ADDITION SPECIAL VOLTAGE

D.E. FILTER WITH VERTICAL SCREENS OIL APPLICATION

FVO 5-10-15-20-35

Standard version in stainless steel AISI304 with frame on wheels composed by:

- Filter chamber with pressure gauge, pressure switch, dished lid with C clamps, big diameter valve at the bottom for cake discharge, electrical motor vibrator for cake discharge.
- Dosing tank for filter aids preparation complete with agitator and membrane dosing pump with adjustable flow.
- Product inlet pipes complete with connections and accessories with one ball valve for product inlet, valves for different services, cast iron positive displacement feed pump with double speed and pre-filter, lighted sightglass.
- Product outlet pipes complete with connections and accessories with valves for different services, flowrate indicator, lighted sightglass, sample valve and one ball valve for product outlet.
- Filters sectors in stainless steel AISI 304, 130 micron screens in stainless steel AISI 316.
- Control board in polystere reinforced with fiber glass self extinguish, IP 65 protection.
- Plastic tray for cake collecting at the end of filtration (FVO 5).
- Stainless steel trolley on wheels for cake collecting at the end of filtration (bigger dimensions).
- Voltage standard 400/3/50 Hz.



D.E. FILTER WITH VERTICAL SCREENS OIL APPLICATION

CODE	DESCRIPTION
FVO-5	D.E. FILTERS WITH VERTICAL SCREENS 5 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DOUBLE EXIT
	ADDITION BUSHED MANIFOLD
	ADDITION FOR SPECIAL VOLTAGE
FVO-10	D.E. FILTERS WITH VERTICAL SCREENS 10 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION ROLLEY FOR CAKE COLLECTING
	DOUBLE EXIT
	ADDITION BUSHED MANIFOLD
	ADDITION FOR SPECIAL VOLTAGE
FVO-15	D.E. FILTERS WITH VERT CAL SCREENS 15 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION TROLLEY FOR CAKE COLL CTING
	DOUBLE EXIT
	ADDITION BUSHED MANIFOLD
	ADDITION FOR SPECIAL VOLTAGE
FVO-20	D.E. FILTERS WITH VERTICAL SCREENS 20 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION TROLLEY FOR CAKE COLLECTING
	DOUBLE EXIT
	ADDITION BUSHED MANIFOLD
	ADDITION FOR SPECIAL VOLTAGE
FVO-35	D.E. FILTERS WITH VERTICAL SCREENS 35 M2 - AUTOMATIC DISCHARGE
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DEDUCTION TROLLEY FOR CAKE COLLECTING
	PNEUMATIC LID LIFTING DEVICE
	DOUBLE EXIT
	ADDITION FOR SPECIAL VOLTAGE

SFT 20x20

Filter construction:

Aisi 304 (or carbon steel) frame on base / wheels (from 20 plates size).

Inlet / outlet fittings: BSP 1 ¼" with hose holder.

Inlet manometer.

Plates dimension (mm.) : 200 x 200.

Plates material: Polyethylene.

Gaskets material: Silicone.

Aisi 304 (or carbon steel) basin.

Filtering pack:

- nr. 2 head plates;
- nr. XX intermediate plates;
- manual screw closure



SFT 40x40

Filter construction:

Aisi 304 frame on wheels.

Double external pipes (Ø 34 mm.; DN32)

Inlet / outlet fittings: DIN 11851 / Garolla

Inlet / outlet butterfly valves DN32.

Inlet / outlet manometer.

Inlet / outlet sample cocks.

Outlet tubular sight glass.

Plates dimension (mm.) : 400 x 400.

Plates material: Polypropylene.

Gaskets material: NBR.

Aisi 304 basin with draining valve.



Filtering pack:

- nr. 2 head plates;
- nr. XX intermediate plates;
- manual screw closure.

SFT 60x60

Filter construction:

Aisi 304 frame on feet.

Double external pipes (Ø 60 mm.; DN60)

Inlet / outlet fittings: DIN 11851 / Garolla

Inlet / outlet butterfly valves DN60.

Inlet / outlet manometer.

Inlet / outlet sample cocks.

Outlet tubular sight glass.

Plates dimension (mm.): 600 x 600.

Plates material: Polypropylene.

Gaskets material: NBR.

Aisi 304 basin with draining valve.



Filtering pack:

- nr. 2 head plates;
- nr. XX intermediate plates;
- manual hydraulic closure.

CODE	DESCRIPTION
SF208FE	20X20 SHEET FILTER (CARBON STEEL FRAME) WITH 8 PE PLATES AND BRASS PUMP (2800 RPM)
SF214FE	20X20 SHEET FILTER (CARBON STEEL FRAME) WITH 14 PE PLATES AND BRASS PUMP (2800 RPM)
SFT-20 T10	AISI 304 20X20 SHEET FILTER WITH 10 POLYETILENE PLATES
SFT-20 T20	AISI 304 20X20 SHEET FILTER COMPLETE WITH 20 POLYETHYLENE PLATES
SFT-20 T30	AISI 304 20X20 SHEET FILTER COMPLETE WITH 30 POLYETHYLENE PLATES
SFT-20 T40	AISI 304 20X20 SHEET FILTER COMPLETE WITH 40 POLYETHYLENE PLATES
	<i>ACCESSORIES</i>
	DOUBLE FILTRATION
	CENTRIFUGAL PUMP (1 PH) ASSEMBLED ON THE FILTER (2800 RPM) - SFT-20 T10/20/30/40
	BY-PASS FOR PUMP 2800 RPM
1200 LT/H - 0 BAR	IMPELLER PUMP (1PH) ASSEMBLED ON THE FILTER (900 RPM) - SFT-20 T10/20
2400 LT/H - 0 BAR	IMPELLER PUMP (1-3 PH) ASSEMBLED ON THE FILTER (900 RPM) - SFT-20 T10/20/30/40
	BY-PASS FOR PUMP 900 RPM
	ADDITION FOR NO YL PLATES (1 PER EACH PLATE)- IF BOUGHT TOGETHER WITH THE FILTER
	ADDITION FOR SPECIAL VOLTAGE
	ADDITION FOR SPECIAL FITTINGS
	PP PLATE - BOUGHT AS SPARE PART
	NORYL PLATE - BOUGHT AS SPARE PART
	SILICON GASKET - BOUGHT AS SPARE
SFT-40 T20	FILTER FRAME WHICH HOLDS UP TO 20 PLATES
SFT-40 T30	FILTER FRAME WHICH HOLDS UP TO 30 PLATES
SFT-40 T40	FILTER FRAME WHICH HOLDS UP TO 40 PLATES
SFT-40 T50	FILTER FRAME WHICH HOLDS UP TO 50 PLATES
SFT-40 T60	FILTER FRAME WHICH HOLDS UP TO 60 PLATES
SFT-40 T80	FILTER FRAME WHICH HOLDS UP TO 80 PLATES
SFT-40 T100	FILTER FRAME WHICH HOLDS UP TO 100 PLATES
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	AISI 304 PLATE (HEAD/INTERMEDIATE) WITH GASKETS IN NBR/ ILICON
	AISI 316 PLATE (HEAD/INTERMEDIATE) WITH GASKETS IN NBR/ ILICON
	AISI 304 FRAMES THICKNESS 14 MM.
	AISI 316 FRAMES THICKNESS 14 MM.
	HEAD/INTERMEDIATE POLYPROPYLENE/POLYETHYLENE PLATE WITH GASKETS IN NBR/SILICON
	HEAD/INTERMEDIATE NORYL PLATE WITH GASKETS IN NBR/SILICON
	ADDITION FOR VITON GASKETS (PER EACH PLATE)
	AISI 304 BLIND PLATE
	PP/PE KIT FOR DOUBLE FILTRATION (WITH 1 AISI 304 INVERSION PLATE AND 2 HEAD PLATES)
	NORYL KIT FOR DOUBLE FILTRATION (WITH 1 AISI 304 INVERSION PLATE AND 2 HEAD PLATES)
	AISI 304 INVERSION PLATE
	AISI 316 CONTACT PARTS
	<i>ACCESSORIES</i>
	EXTENSION
	NBR GASKET - BOUGHT AS SPARE PART
	SILICON GASKET - BOUGHT AS SPARE PART
	VITON GASKET - BOUGHT AS SPARE PART
	ADDITION FOR MANUAL HYDRAULIC CLOSURE (T20, T30, T40)
	ADDITION FOR MANUAL HYDRAULIC CLOSURE (T50, T60, T80, T100) - SUGGESTED
	ADDITION FOR MOTORIZED HYDRAULIC CLOSURE ONLY FOR 50 HZ VOLTAGE

CODE	DESCRIPTION
	SPECIAL IN/OUT FITTINGS
	SIGHT GLASS
	BLOW DOWN VALVE
	ADDITION FOR REINFORCED FILTER FRAME FOR SPARKLING PRODUCT (T20, T30, T40)
	HEAD/INTERMEDIATE POLYPROPYLENE/POLYETHYLENE PLATE - BOUGHT AS SPARE PART
	HEAD/INTERMEDIATE NORYL PLATE - BOUGHT AS SPARE PART
	AISI 304 PLATE - BOUGHT AS SPARE PART
	AISI 316 L PLATE - BOUGHT AS SPARE PART
	CENTRIFUGAL PUMP MOUNTED ON FILTER FRAME (2800 RPM) - 1/3 PH
	PUMP WITH FLEXIBLE IMPELLER MOUNTED ON FILTER FRAME (900 RPM) - 1/3 PH
	ADDITION FOR SPECIAL VOLTAGE - FEED PUMP
SFT-60 T60	FILTER FRAME WHICH HOLDS UP TO 60 PLATES
SFT-60 T100	FILTER FRAME WHICH HOLDS UP TO 100 PLATES
SFT-60 T150	FILTER FRAME WHICH HOLDS UP TO 150 PLATES
SFT-60 T200	FILTER FRAME WHICH HOLDS UP TO 200 PLATES
	STANDARD PACKAGING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKAING (NYLON + PALLET) - NET VALUE
	AISI 304 PLATE (HEAD/INTERMED ATE) WITH GASKETS IN NBR/SILICON
	AISI 316 PLATE (HEAD/INTERMED ATE) WITH GASKETS IN NBR/SILICON
	AISI 304 FRAMES
	AISI 316 FRAMES
	INTERMEDIATE POLYPROPYLENE PLATE WITH GASKETS IN NBR/SILICON
	INTERMEDIATE NORYL PLATE WITH GASK TS IN NBR/SILICON
	ADDITION FOR VITON GASKETS (PER EACH PLAT)
	AISI 304 BLIND PLATE
	AISI 304 INVERSION PLATE
	AISI 316 CONTACT PARTS
	<i>ACCESSORIES</i>
	IMPELLER PUMP ON TROLLEY 3 PH 2,2 KW WITH INVERTER (32÷750 R.P.M.) - T60
	IMPELLER PUMP ON TROLLEY 3 PH 2,2 KW WITH INVERTER (32÷750 R.P.M.) - T100
	IMPELLER PUMP ON TROLLEY 3 PH 4 KW WITH INVERTER (32÷750 .P.M.) - T200
	EXTENSION
	NBR GASKET
	SILICON GASKET
	VITON GASKET
	ADDITION FOR MOTORIZED HYDRAULIC CLOSURE
	SPECIAL VOLTAGE FOR MOTORIZED HYDRAULIC CLOSURE
	SPECIAL IN/OUT FITTINGS
	BLOW DOWN VALVE
	ADDITION PRESSURE GAUGE FOR SECOND STEP OF FILTRATION

TMF-SA

Semi-automatic execution with frame on wheels featuring:

- Feeding pump controlled by frequency driver and Stainless Steel prefilter.
- Recirculation pump.
- Capillary polyethersulphone filter membranes.
- Digital pressure sensors on the inlet and outlet of the filter elements.
- Digital flow meter.
- Stainless Steel tank for cleaning purpose equipped with cartridge prefilter.
- Automatic dosing system for detergents.
- Electric board in Stainless Steel, IP55 degree of protection, with PLC and touch-screen color display for setting parameters and visualizing parameters and alarms.
- Router for remote assistance.

TMF-A

Fully automatic execution with frame on wheels featuring:

- Feeding pump controlled by frequency driver and Stainless Steel prefilter.
- Recirculation pump.
- Capillary polyethersulphone filter membranes.
- Digital pressure sensors on the inlet and outlet of the filter elements.
- Digital flow meter.
- Stainless Steel tank for cleaning purpose equipped with cartridge prefilter.
- Automatic dosing system for detergents.
- Electric board in Stainless Steel, IP55 degree of protection, with PLC for management of all phases automatically. Touch-screen color display for setting parameters and visualizing parameters and alarms.
- Modem module for remote assistance.



TMF-I

Automatic modular version with fixed frame.

This version is composed by one central unit on its own frame and 1 to 7 filtration units, on a different frame and complete of 12 membranes each.

The TMF-12 -I is prearranged for adding nr.1 additional filtration unit at a later time (TMF-24-I).

The TMF-36-I is prearranged for adding 1 additional filtration unit at a later time (TMF-48-I).

The central unit is composed by:

- Tank for concentrate storage / CIP solution
- Tank for backwash with pump
- Centrifugal feeding pump with inverter and double automatic pre-filter in S/S - Pressure transducers, automatic valves for control.
- Magnetic flow meter.
- Stainless Steel electrical panel, IP55 protection, with PLC for automatic management of all phases, with colour touch-screen display for setting up and controlling parameters and alarms, router for remote assistance.
- System for dosage of detergents (alkaline, acid, peroxide).
- Automatic device for blending hot / cold water

Filtration unit is composed by:

- 1 centrifugal pump for recirculation.
- 12 capillary membranes made in polyethersulphone.
- Option to exclude filtration unit (s).

Standard voltage 400/3/50 Hz.



CODE	DESCRIPTION
TMF-1-SA	CROSS FLOW FILTER 10 M2 SEMIAUTOMATIC
	CROSS FLOW FILTER 10 M2 SEMIAUTOMATIC - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	MAGNETIC FLOW METER WITH TOTALIZER
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
TMF-3-SA	CROSS FLOW FILTER 30 M2 SEMIAUTOMATIC MODULAR
	CROSS FLOW FILTER 30 M2 SEMIAUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	MAGNETIC FLOW METER WITH TOTALIZER
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
TMF-6-SA	CROSS FLOW FILTER 60 M2 SEMIAUTOMATIC MODULAR
	CROSS FLOW FILTER 60 M2 SEMIAUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	MAGNETIC FLOW METER WITH TOTALIZER
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	TURBIDITY METER
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
REMOTE CONTROL	
TMF-9-SA	CROSS FLOW FILTER 90 M2 SEMIAUTOMATIC MODULAR
	CROSS FLOW FILTER 90 M2 SEMIAUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	MAGNETIC FLOW METER WITH TOTALIZER
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING

CODE	DESCRIPTION
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
	EXTRA 3 MEMBRANES MODULE FOR CROSS FLOW FILTER TMF-SA
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
TMF-3-A	CROSS FLOW FILTER 30 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 30 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	DOUBLE PREFILTER WITH ADDITIONAL VALVES
	MAGNETIC FLOWMETER WITH TOTALIZER
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
TMF-6-A	CROSS FLOW FILTER 60 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 60 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	DOUBLE PREFILTER WITH ADDITIONAL VALVES
	MAGNETIC FLOWMETER WITH TOTALIZER
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
TMF-9-A	CROSS FLOW FILTER 90 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 90 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE

CODE	DESCRIPTION
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	DOUBLE PREFILTER WITH ADDITIONAL VALVES
	MAGNETIC FLOWMETER WITH TOTALIZER
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
TMF-12-A	CROSS FLOW FILTER 120 M2 AUTOMATIC
	CROSS FLOW FILTER 120 M2 AUTOMATIC - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	CONTROL PANEL PREARRANGED FOR 1 LOOP UPGRADING
	DOUBLE PREFILTER WITH ADDITIONAL VALVES
	MAGNETIC FLOWMETER WITH TOTALIZER
	TURBIDITY METER
	REMOTE CONTROL
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
	EXTRA 3 MEMBRANES MODULE FOR CROSS FLOW FILTER TMF-A
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	ADDITION FOR SPECIAL VOLTAGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 LOOP FROM THE PROCESS
TMF-12-I	CROSS FLOW FILTER 120 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 120 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	DOUBLE INLET/ OUTLET WITH AUTOMATIC VALVES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	PREARRANGMENT FOR EXPANSION TMF 48-60
	ADDITION FOR SPECIAL VOLTAGE
	SELF CLEANING PREFILTER
	TURBIDITY METER
	REMOTE CONTROL
	CONTINUOUS CONCENTRATE DISCHARGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)

CODE	DESCRIPTION
TMF-24-I	CROSS FLOW FILTER 240 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 240 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	DOUBLE INLET/ OUTLET WITH AUTOMATIC VALVES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	PREARRANGMENT FOR EXPANSION TMF 48-60
	ADDITION FOR SPECIAL VOLTAGE
	SELF CLEANING PREFILTER
	TURBIDITY METER
	REMOTE CONTROL
	CONTINUOUS CONCENTRATE DISCHARGE
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	TMF-36-I
CROSS FLOW FILTER 360 M2 AUTOMATIC MODULAR - ISOBARIC	
STANDARD PACKING (NYLON + PALLET) - NET VALUE	
IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE	
<i>ACCESSORIES</i>	
DOUBLE INLET/ OUTLET WITH AUTOMATIC VALVES	
PRODUCT CONTACT PARTS IN S/S AISI 316	
PREARRANGMENT FOR EXPANSION TMF 48-60	
ADDITION FOR SPECIAL VOLTAGE	
SELF CLEANING PREFILTER	
TURBIDITY METER	
REMOTE CONTROL	
CONTINUOUS CONCENTRATE DISCHARGE	
MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)	
TMF-48-I	
	CROSS FLOW FILTER 480 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	DOUBLE INLET/ OUTLET WITH AUTOMATIC VALVES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	ADDITION FOR SPECIAL VOLTAGE
	SELF CLEANING PREFILTER
	TURBIDITY METER
	REMOTE CONTROL
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)

CODE	DESCRIPTION
TMF-60-I	CROSS FLOW FILTER 600 M2 AUTOMATIC MODULAR
	CROSS FLOW FILTER 600 M2 AUTOMATIC MODULAR - ISOBARIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	DOUBLE INLET/ OUTLET WITH AUTOMATIC VALVES
	PRODUCT CONTACT PARTS IN S/S AISI 316
	ADDITION FOR SPECIAL VOLTAGE
	SELF CLEANING PREFILTER
	TURBIDITY METER
	REMOTE CON ROL
	MEMBRANE ISOLA ION VALVES (1 FOR EACH MEMBRANE)
	EXTRA 12 MEMB ANES MODULE FOR CROSS FLOW FILTER TMF-I
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	<i>ACCESSORIES</i>
	PRODUCT CONTACT PARTS N S/S AISI 316
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)

Unico Filter TUN:

Structure of standard configuration:

Main Unit assembled on AISI304 skid with wheels. It is composed by:

- Mono feed pump
- Self-cleaning prefilter
- Lees loop (nr. 1 AISI316L SS membrane, nr. 1 tubular heat exchanger, nr. 1 recirculation pump)
- Stainless Steel tank for cleaning purposes with cartridge pre-filter
- Pneumatic system for dosing detergents (alkaline, acid, peroxide).
- Electric board in AISI304 Stainless Steel, IP55 degree of protection, with PLC for management of all phases automatically.
- Siemens touch-screen color display 9" for setting and visualizing parameters and alarms
- Digital flow meter with totalizer
- Modem module for remote assistance

Additional filtration module composed by:

- Nr. 01 Aisi 304 mesh pre-filter.
- Nr. 3 PES membranes.
- Nr. 1 recirculation centrifugal pump.

Automatic valves and control instruments (sensors of level, temperature probes, pressure transducers with digital display on the inlet and outlet of the filter elements).

Standard voltage 40/3/50 Hz.



CODE	DESCRIPTION
TUN-3/1-A	UNICO 3 + 1 - AUTOMATIC
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	REMOTE CONTROL
	DIFFUSION PULSE SYSTEM (1 FOR EACH SS MEMBRANE)
	TURBIDITY - METER
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 PES LOOP FROM THE PROCESS
	PREARRANGMENT TO INCREASE NR. 1 PES LOOP
	SPECIAL VOL AGE (STANDARD CONFIGURATION)
	ADDITIONAL PES LOOP
	SPECIAL VOL AGE (ADDITIONAL PES LOOP)
	TUN-6/1-A
STANDARD PACKING (NYLON + PALLET) - NET VALUE	
IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE	
ACCESSORIES	
REMOTE CONTROL	
DIFFUSION PULSE SYSTEM (1 FOR EACH SS M MBRANE)	
TURBIDITY - METER	
MEMBRANE ISOLATION VALVES (1 FOR ACH MEMBRANE)	
OPTION TO EXCLUDE NR. 1 PES LOOP FROM THE PROCESS	
PREARRANGMENT TO INCREASE NR. 1 PES LOOP	
SPECIAL VOLTAGE (STANDARD CONFIGURATION)	
ADDITIONAL PES LOOP	
SPECIAL VOLTAGE (ADDITIONAL PES LOOP)	
TUN-9/1-A	
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	REMOTE CONTROL
	DIFFUSION PULSE SYSTEM (1 FOR EACH SS MEMBRANE)
	TURBIDITY - METER
	MEMBRANE ISOLATION VALVES (1 FOR EACH MEMBRANE)
	OPTION TO EXCLUDE NR. 1 PES LOOP FROM THE PROCESS
	SPECIAL VOLTAGE (STANDARD CONFIGURATION)
	ADDITIONAL LEES LOOP (MAXIMUM 4)
	SPECIAL VOLTAGE (ADDITIONAL LEES LOOP)

AISI 316L CARTDRIGE HOUSING 1, 3, 5, 8 AND 12 CARTDRIGE COMPLETE OF UPPER GROUP AND BUTTERFLY VALVES

Technical features

- Material: AISI 316L
- House dimension: 30" (750 mm.)
- Finishing: mechanical for food industry
- Cartridges connection: code 7
- Upper group: AISI 304 manometer, sight glass dn 15(housing 1 and 3 cartridges); dn 25 (housing 8 and 12 cartridges), casting ventill valves bsp 1/4"
- In/out butterfly valves: dn 25 (housing 1 cartridge) dn 40 (housing 3 and 5 cartridges), dn 50 (housing 8 and 12 cartridges);
- Draining/sampling casting ball valve placed over the inlet bend: 1/4" (housing 1 cartridge), 1/2" (housing 3 and 5 cartridges), 3/4" (housing 8 and 12 cartridges).

AISI 316L LENTICULAR HOUSING 12" AND 16" COMPLETE OF UPPER GROUP AND BUTTERFLY VALVES

Technical features

- Material: AISI 316L
- No. Of filtering modules: 1-2-3-4
- Finishing: mechanical for food industry
- Cartridges connection: code 7
- Upper group: aisi 304 manometer, sight glass, casting ventill valves bsp 1/4"
- In/out butterfly valves: clamp (1-1/2" - 2"), din (40-50),
- Draining casting ball valve (3/4" bsp or clamp) placed over the inlet bend
- Sampling casting ball valve (3/4" bsp or clamp) placed over the outlet bend -
- Not included: filtering module



Code	DESCRIPTION
	MICROFILTRATION CARTRIDGES HOUSINGS
HMC-1	HOUSING 30" (750 MM.) x 1 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	HOUSING 20" (500 MM.) x 1 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	HOUSING 10" (250 MM.) x 1 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	INLET / OUTLET BUTTERFLY VALVE DN 25 (2 PER EACH HOUSING)
	BY PASS (1 PER EACH HOUSING)
HMC-3	HOUSING 30" (750 MM.) x 3 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
HMC-5	HOUSING 30" (750 MM.) x 5 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	INLET / OUTLET BUTTERFLY VALVE DN 40 (2 PER EACH HOUSING)
	BY PASS (1 PER EACH HOUSING)
HMC-8	HOUSING 30" (750 MM.) x 8 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
HMC-12	HOUSING 30" (750 MM.) x 12 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	INLET / OUTLET BUTTE FLY VALVE DN 50 (2 PER EACH HOUSING)
	BY PASS (1 PER EACH HOUS NG)
HMC-18	HOUSING 30" (750 MM.) x 18 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
HMC-24	HOUSING 30" (750 MM.) x 24 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	INLET / OUTLET BUTTERFLY VALVE DN 65 (2 PER EACH HOUSING)
	BY PASS (1 PER EACH HOUSING)
HMC-30	HOUSING 30" (750 MM.) x 30 CARTRIDGE (COD. 7) COMPLETE OF UPPER GROUP
	INLET / OUTLET BUTTERFLY VALVE DN 80 (2 P R EACH HOUSING)
	BY PASS (1 PER EACH HOUSING)
	MICROFILTRATION LENTICOLAR HOUSING
HMD-12	LENTICULAR HOUSING 1 X 12" MODULES COMPLETE OF UPPER GROUP- FLAT CONNECTIONS
	LENTICULAR HOUSING 2 X 12" MODULES COMPLETE OF UPPER GROUP- FLAT CONNECTIONS
	LENTICULAR HOUSING 3 X 12" MODULES COMPLETE OF UPPER G OUP- FLAT CONNECTIONS
	LENTICULAR HOUSING 4 X 12" MODULES COMPLETE OF UPPER G OUP- FLAT CONNECTIONS
HMD-16	LENTICULAR HOUSING 1 X 16" MODULES COMPLETE OF UPPER G OUP- FLAT CONNECTIONS
	LENTICULAR HOUSING 2 X 16" MODULES COMPLETE OF UPPER G OUP- F AT CONNECTIONS
	LENTICULAR HOUSING 3 X 16" MODULES COMPLETE OF UPPER G OUP- F AT CONNECTIONS
	LENTICULAR HOUSING 4 X 16" MODULES COMPLETE OF UPPER GROUP- F AT CONNECTIONS
	INLET / OUTLET BUTTERFLY VALVE DN 50 (2 PER EACH HOUSING)
	BY PASS (1 PER EACH HOUSING)

Code	DESCRIPTION
	<i>ACCESSORIES</i>
	AISI 304 TUBULAR FRAME ON WHEELS / ADJUSTABLE FEET (2 HOUSING)
	AISI 304 TUBULAR FRAME ON WHEELS / ADJUSTABLE FEET (3 HOUSING)
	AISI 304 TUBULAR FRAME ON WHEELS / ADJUSTABLE FEET (4 HOUSING)
	AISI 304 COLLECTING VAT ON WHEELS (2 HOUSING)
	AISI 304 COLLECTING VAT ON WHEELS (3 HOUSING)
	AISI 304 COLLECTING VAT ON WHEELS (4 HOUSING)
	IMPELLER PUMP 70 HL/H WITH MOTOVARIATOR (0-900 RPM) ON WHEELS
	IMPELLER PUMP 120 HL/H WITH MOTOVARIATOR (0-900 RPM) ON WHEELS
VEVIN	POLYETHERSULFONE MEMBRANE 30" (750 MM.) 1,2 μ
	POLYETHERSULFONE MEMBRANE 30" (750 MM.) 0,8 μ
	POLYETHERSULFONE MEMBRANE 30" (750 MM.) 0,65 μ
	POLYETHERSULFONE MEMBRANE 30" (750 MM.) 0,45 μ
VEPOL	POLYPROPYLENE P EFILTER 30" (750 MM.) 40μ
	POLYPROPYLENE P EFILTER 30" (750 MM.) 20μ
	POLYPROPYLENE P EFILTER 30" (750 MM.) 10μ
	POLYPROPYLENE P EFILTER 30" (750 MM.) 5μ
	POLYPROPYLENE PREFILTER 30" (750 MM.) 2,5μ
	POLYPROPYLENE PREFILTER 30" (750 .) 1,2μ
	POLYPROPYLENE PREFILTER 30" (750 .) 0,6μ

STT40/60 - STT52/76 - STT70/101 - STT101/139 - STT129/168

Standard version in AISI 304 complete with:

- Framework on fix supports.
 - Internal pipes with corrugated surface in which the product to be chilled circulates.
 - External smooth pipes in which circulates the cooling fluid.
 - Elbows 180° for connection of product pipes complete of connections DIN 11851 (flange in the mod.stt129/168) in order to allow the dismantling and the modules inspection. -
 - Connections must side: din11851 male connection
 - Connections water side: pipe with gas thread on internal part.
- Other dimensions available on demand.

Technical features:

Diameter INTERNAL PIPE (mm)	Diameter EXTERNAL PIPE (mm)	Surface of n° 1 element (m ²)	Diameter of connections	
			WATER side	PRODUCT side
40	60	0.75	1" ¼	DN 40
52	76	0.98	1" ¼	DN 50
70	101	1.30	2"	DN 65
101	139	1.90	3"	DN 100
129	168	2.43	4"	DN 125



TUBE IN TUBE HEAT EXCHANGER

Code	DESCRIPTION
	Ø 40/60
2 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 40/60 LENGHT 3 MT.
3 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 40/60 LENGHT 3 MT.
4 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 40/60 LENGHT 3 MT.
	ACCESSORIES
	DIGITAL THERMOMETER - UNIT PRICE
	BALL VALVE DN 40 (INLET)
	SIGHT VALVE DN 40 (OUTLET)
	COIBENTATION - PRICE PER METER
	Ø 52/76
2 ELEMENTS	UBE IN UBE HEAT EXCHANGER 52/76 LENGHT 3 MT.
3 ELEMENTS	UBE IN UBE HEAT EXCHANGER 52/76 LENGHT 3 MT.
4 ELEMENTS	UBE IN UBE HEAT EXCHANGER 52/76 LENGHT 3 MT.
4 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 52/76 LENGHT 6 MT.
5 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 52/76 LENGHT 6 MT.
6 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 52/76 LENGHT 6 MT.
7 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 52/76 LENGHT 6 MT.
	ACCESSORIES
	DIGITAL THERMOMETER - UNIT PRICE
	BALL VALVE DN 50 (INLET)
	SIGHT VALVE DN 50 (OUTL T)
	COIBENTATION - PRICE PER M T R
	Ø 70/101
4 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
5 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
6 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
7 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
8 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
10 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
12 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 70/101 LENGHT 6 MT.
	ACCESSORIES
	DIGITAL THERMOMETER - UNIT PRICE
	BALL VALVE DN 65 (INLET)
	SIGHT VALVE DN 65 (OUTLET)
	COIBENTATION - PRICE PER METER

Code	DESCRIPTION
	Ø 101/139
6 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
7 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
8 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
10 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
12 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
14 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
20 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
24 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 101/139 LENGHT 6 MT.
	ACCESSORIES
	DIGI AL HERMOMETER - UNIT PRICE
	BALL VALVE DN 100 (INLET)
	SIGHT VALVE DN 100 (OUTLET)
	COIBEN ATION - PRICE PER METER
	Ø 129/168
6 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 129/168 LENGHT 6 MT.
7 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 129/168 LENGHT 6 MT.
8 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 129/168 LENGHT 6 MT.
10 ELEMENTS	TUBE IN TUBE HEAT EXCHANGER 129/168 LENGHT 6 MT.
12 ELEMENTS	TUBE IN TUBE HEAT EXCHANG R 129/168 LENGHT 6 MT.
14 ELEMENTS	TUBE IN TUBE HEAT EXCHANG R 129/168 LENGHT 6 MT.
20 ELEMENTS	TUBE IN TUBE HEAT EXCHANG R 129/168 LENGHT 6 MT.
24 ELEMENTS	TUBE IN TUBE HEAT EXCHANG R 129/168 LENGHT 6 MT.
	ACCESSORIES
	DIGITAL THERMOMETER - UNIT PRICE
	BALL VALVE DN 125 (INLET)
	SIGHT VALVE DN 125 (OUTLET)
	COIBENTATION - PRICE PER METER

Standard version in stainless steel AISI304 with frame featuring:

- Centrifugal feeding pump with prefilter in stainless steel.
- Piston pumps for pressurization with pulsations damper.
- Housing in stainless steel AISI316.
- Spiral membranes type 4040.
- Magnetic flowmeter of permeate.
- Flowmeter of concentrate.
- Manometer and pressure transducer.
- Tank.
- Manual ball valves in stainless steel AISI316.
- Control board in stainless steel, IP65 protection, with PLC and digital keyboard for set up and control of parameters and alarms.
- Voltage standard 400/3/50 Hz.

OPTIONAL (quotation only on request)

- Plant with membranes with French certification for using with French DOC wines.
- OPTIONAL (quotation only on request only for: ROV400, ROV500, ROV600, ROV800).
- Plant with membranes with double spacer for concentration of high turbidity products.

Membranes data:

- Type O / I membrane for must and wine concentration with alcoholic degree increase.
- Type N / F membrane for wine concentration without alcoholic degree increase.



CODE	DESCRIPTION
RO50-VA	REVERSE OSMOSIS PLANT WITH PLC, PRESSURE TRANSDUCER MAGNETIC FLOW METER 50 LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO100-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER100LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EX RA SET OF NAANOFILTRATION MEMBRANES
	EX RA SET OF EVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO200-VA	REVERSE OSMOS S PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER200 LT/H
	STANDARD PACK NG (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION M MBRANES
	EXTRA SET OF REVERSE OSMOSIS M MBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO300-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER300 LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO400-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER400LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO500-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER500LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE

REVERSE OSMOSIS PLANT

CODE	DESCRIPTION
RO600-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER600 LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO800-VA	REVERSE OSMOSIS PLANT WITH PLC,PRESSURE TRANSDUCER MAGNETIC FLOW METER800 LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EX RA SET OF NAANOFILTRATION MEMBRANES
	EX RA SET OF EVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO1000-VA	REVERSEOSMOS SPLANTWITHPLC,PRESSURETRANSDUCERMAGNETICFLOWMETER1000LT/H
	STANDARD PACK NG (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION M MBRANES
	EXTRA SET OF REVERSE OSMOSIS M MBRANES
	ADDITION FOR SPECIAL VOLTAGE
RO1200-VA	REVERSEOSMOSISPLANTWITHPLC,PRESSURETRANSDUCERMAGNETICFLOWMETER1200LT/H
	STANDARD PACKING (NYLON + PALLET) - NET VALUE
	IPPC/FAO PACKING (NYLON + PALLET) - NET VALUE
	ACCESSORIES
	EXTRA SET OF NAANOFILTRATION MEMBRANES
	EXTRA SET OF REVERSE OSMOSIS MEMBRANES
	ADDITION FOR SPECIAL VOLTAGE

Standard version with framework PAINTED and external panelling made in zinc plated and painted sheet:

- Standard version with framework PAINTED and external panelling made in zinc plated and painted sheet.
- Compressor(s) SCROLL type with internal thermic protection, oil POE, vibration damping feet, cocks and gas HFC R410a.
- HFC gas evaporator brazed welded type.
- Condensator with finned battery made in copper-aluminium, axial fan(s) and protection grids.
- Carbon steel tank for collection of cooled solution with external insulation made by foam material with closed cells.
- One motor pump in stainless steel AISI304 for cooled solution circulation, designed for external utilities at low pressure.
- Other parts in contact with cooled solution are in carbon steel.
- Cooling circuit with expansion valve and external equalizer, drier filter, liquid passage indicator and receptor.
- Control board on box made in zinc plated and painted sheet, electronic control .
- Voltage standard 400/3/50 Hz
- Double set point as standard option
- Upon request ,stainless steel panel are available



CODICE	DESCRIZIONE
CRM 051	COOLING UNIT 8.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 240/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 061	COOLING UNIT 12.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 081	COOLING UNIT 16.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 101	COOLING UNIT 21.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 121	COOLING UNIT 23.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460

CRM 131	COOLING UNIT 28.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	<i>ADDITIONS FOR SPECIAL VOLTAGES</i>
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 151	COOLING UNIT 32.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	<i>ADDITIONS FOR SPECIAL VOLTAGES</i>
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 201	COOLING UNIT 40.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	<i>ADDITIONS FOR SPECIAL VOLTAGES</i>
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 202	COOLING UNIT 44.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	<i>ADDITIONS FOR SPECIAL VOLTAGES</i>
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 242	COOLING UNIT 48.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	<i>ADDITIONS FOR SPECIAL VOLTAGES</i>
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460

CRM 262	COOLING UNIT 54.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 302	COOLING UNIT 64.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 352	COOLING UNIT 76.000 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 24/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460
CRM 402	COOLING UNIT 82.500 KCAL/H - V400/3/50HZ
	ACCESSORIES
	AISI 304 FRAMEWORK
	ADDITIONS FOR SPECIAL VOLTAGES
	V 460/3/60HZ
	V 380/3/60HZ
	V 240/3/60HZ BY AN EXTERNAL TRANSFORMER FROM V240 TO V460

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