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 **DUVERA**<sup>TM</sup>  
— BUILDING TRUST —

 **SHAKTI**<sup>®</sup>  
PUMPING LIFE

 **DIGITAL**  
INSTRUMENTS  
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 **THERMAX**

 **GRAFIL**  
Intelligent Flow

 **ALFA**<sup>®</sup>  
THE UV EXPERT

 **amikon**  
BLOWERS & PUMPS

 **AQUASKY**  
**PLUS**

 **APCP**  
ACCORD POWER  
CONVERSION PVT LTD

 **PENTAIR**

 **HYDRANAUTICS**  
[www.membranes.com](http://www.membranes.com)

 **DU PONT**<sup>TM</sup>

 **Danfoss**

 **GUDDI PLASTCON**  
PVT. LTD.

 **ION EXCHANGE**

 **MILTON ROY**

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## **STRING WOUND FILTER CARTRIDGE**

**Size :** 2.5X10, 2.5x20, 2.5X30, 2.5X40, 4.5X20

**Micron :** 1 • 5 • 10 • 25 • 50 • 100 • 150

The classic and millionfold proven string wound filter cartridge consists by default of a polypropylene yarn which is wound onto a supporting core of the same material. Further yarns like cotton, polyester and glass fiber with stainless steel core allow applications under different operating conditions. This enables the use at higher temperatures as well as a broad spectrum of chemical resistance.

Materials	:	Polypropylene
Cores	:	Polypropylene, Stainless steel, Galvanized steel
Flow	:	2.5x10" 1000 M3/h and Jumbo 4.5x20" 3000 M3/h
Applications	:	Process Water Filtration, Food and Beverage Industry, Chemical, Paint Industry, Pharamaceuticals, Oil Industry, Coating, RO Plants, Bottled Water, Flavors.



## PP MELT BLOWN / SPUN FILTER

**Size :** 2.5X10, 2.5x20, 2.5X30, 2.5X40, 4.5X10, 4.5X20 Inch

**Micron :** 0.5 • 1 • 5 • 10 • 25 • 50

During the meltblown process, granulates are fused inside an extruder. The extruded material in the form of microfibers is further processed via injectors and hot air into the final filter cartridge. Because of the special manufacturing process under high quality standards, these filter elements are not in need of a supporting core. Still, relatively high differential pressures are feasible. The continuously graded pore structure allows a long lifetime of the filter element.

Materials	:	Polypropylene
Cores	:	Polypropylene, Stainless steel, Galvanized steel
		DOE with/without end caps; SOE with 2 O-rings and spear; SOE 226 with 2 O-rings and bayonet/spear (P7); SOE 222 with 2 O-rings and flat
Flow	:	2.5x10" 1000 M3/h and Jumbo 4.5x20" 3000 M3/h
Applications	:	Process Water Filtration, Food and Beverage Industry, Chemical, Paint Industry, Pharamaceuticals, Oil Industry, Coating, RO Plants, Bottled Water, Flavors.



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## PP PLEATED FILTER

**Size :** 2.5X10, 2.5x20, 2.5X30, 2.5X40, 4x20, 4.5X20

**Micron :** 0.2 • 0.45 • 0.5 • 1 • 3 • 5 • 10 • 25 • 50

Filter cartridges with pleated filter material have an increased surface area compared to conventional filter elements. Thus, longer lifetime and a cost-efficient filtration is achieved. With a supporting core as well as a strong external cage, a sufficient strength is reached. The multi-layered elements are thermally welded and free of binding agents, adhesives or additives. They are available with nominal as well as with absolute deposition rates.

Materials	:	Polypropylene, PTFE, PES
Seal	:	Silicone, EPDM, NBR, VITON, Teflon
Flow	:	2.5x10" 1000 M3/h and Jumbo 4.5x20" 3000 M3/h
Applications	:	Process Water Filtration, Food and Beverage Industry, Chemical, Paint Industry, Pharamaceuticals, Oil Industry, Coating, RO Plants, Bottled Water, Flavors.





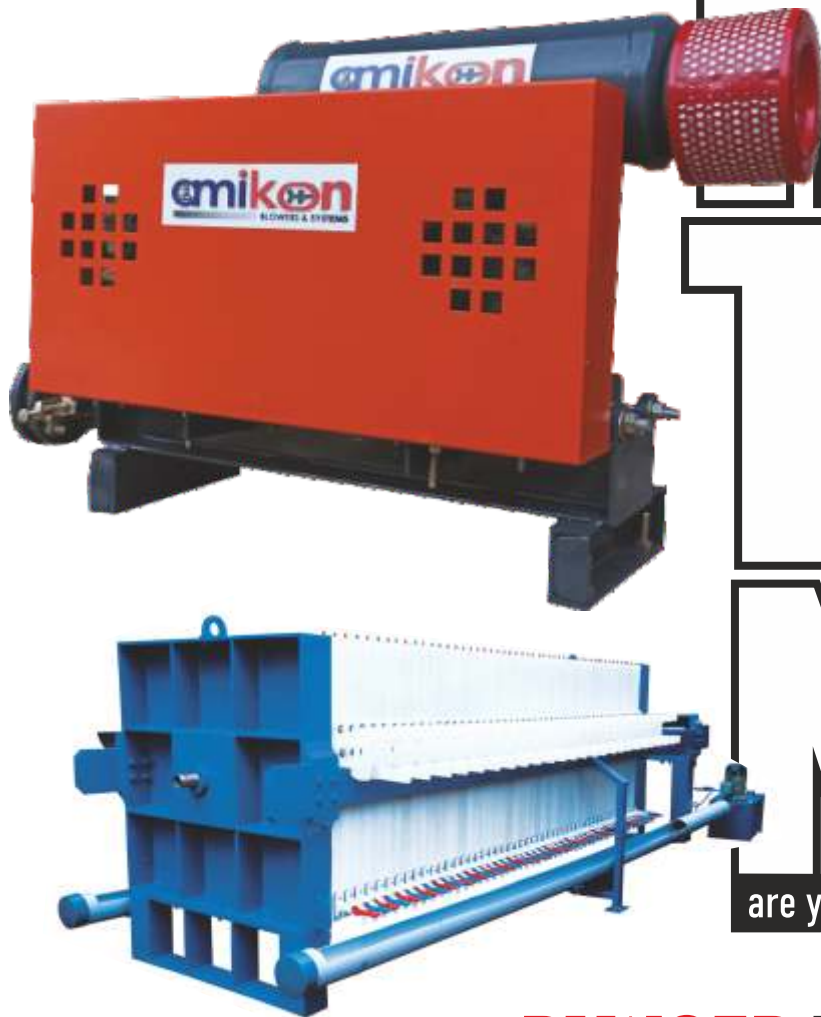
## **ACTIVATED CARBON FILTER**

**Size :** 2.5X10, 2.5x20, 2.5X30, 2.5X40, 4x20, 4.5X20

**Micron :** 1 • 5 • 10 • 25 • 50 • 100 • 150

Activated carbon filter cartridges with carbon blocks are continuously produced by extruding activated carbon granules in conjunction with additives in food grade quality. The result is an excellent adsorption capacity of the activated carbon block without fine coal being dissolved in the liquid. Chlorine, odors and organic residues are effectively retained.

Materials	:	Hard Coal, Coconut Shell
End Caps	:	Polypropylene
Net	:	Polyethylene
Sealing	:	Buna N
Applications	:	Process Water Filtration, Food and Beverage Industry, Chemical, Paint Industry, Pharamaceuticals, Oil Industry, Coating, RO Plants, Bottled Water, Flavors.



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## BLWOER FILTER PRESS

Working towards creating superior & cost effective blowers & pumps Amikon blowers has become one of the leading manufacturers & suppliers with Multifold innovation in the field of manufacturing industrial blowers & pumps

**PROFESSIONAL TEAM :** We have a well trained and experienced team of professionals who has past experience of equipment and process from the last 15 years in the same field.

**LATEST TECHNOLOGY :** We are fully equipped with a modern machining facility at our Old Industrial Estate, Bahadurgarh (Haryana)

**QUALITY POLICY :** AMIKON Blowers & Systems is committed to produce and supply the products to the entire satisfaction of the customer's requirements and ensure continual improvement of quality management system."

### Our Products

- Twin Lobe Roots Blower
- GAS Blowers
- Ring Blowers / Side Channel Blowers
- Rotary Tri Lobe Blowers
- Aqua Culture Blowers
- Acoustic Enclosure / Hood



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## **SS MULTI-CARTRIDGE HOUSING/ STRAINERS**

**Flow : 1000 - 160000 M<sup>3</sup>/Hr**

Housings for the filtration with filter cartridges are equally available in stainless steel. The use as police filter with comparatively coarse filtration fineness is as feasible as fine filtrations with less than 1 µm absolute deposition rate. Individual solutions for different sizes in length and diameter as well as filter cartridge adapters are offered. It is suitable for DOE, CODE7 AND 222 O-Ring filter cartridges.

Materials	:	Diverse qualities stainless steel
Size	:	10", 40"
No. of filter elements	:	1 to 73
Connections	:	3/4" to 2" DN 50 to DN 150
Max. operating pressure	:	8 to 20 bar
Max. operating temperature	:	50 to 160 °C
Applications	:	Process Water Filtration, Food and Beverage Industry, RO Plants, Bottled Water, Paint Industry, Pharmaceuticals/Chemical Industry, Oil Industry, Coating, Coolants, Petroleum Derivatives.



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## **PP** FILTER BAG

**Size :** 2.5X10, 2.5x20, 2.5X30, 2.5X40, 4.5X20, 7X32

**Micron :** 1 • 5 • 10 • 25 • 50 • 80 • 100 • 125 • 150 • 200

Various new developments have been steadily increasing the performance of filter bag filtration in the recent past. These include fully welded bag filters or high performance needle felts. Increased filter surfaces through pleated elements or multi-layered constructions can also be used without retrofitting. Thus the range of use has been considerably extended for you. The different filter bags are especially suited for nominal and absolute filtration in all kinds of metalworking, water purification, paints/lacquers, automotive and food industry.

Materials	:	Polyester, Polypropylene
Collars	:	Different plastic collars, galvanized steel, stainless steel
Other	:	Sewn and fully welded constructions available
Applications	:	Process Water Filtration, Food and Beverage Industry, RO Plants, Bottled Water, Paint Industry, Pharmaceuticals/Chemical Industry, Oil Industry, Coating, etc.

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## **PVC** CARTRIDGE FILTER HOUSING

**Size :** 2.5x10, 2.5x20, 4.5x10", 4.5x20"

**Connection :** 1/2", 3/4", 1", 1.5"

PVC Cartridge Filter Housings have a very simple design with high filtering quality. PVC Cartridge Filters are normally used in acidic applications because of its material compatibility. They are normally used as polishing filter in almost all process industries. The PVC Cartridge Filter Housing system provides an economical alternative to stainless steel. It is made of durable, corrosion resistant PVC and suitable for low pressure applications.

Materials	:	PVC
Sealing	:	Silicon O-Ring
Applications	:	Process Water Filtration, Food and Beverage Industry, RO Plants, Bottled Water, Paint Industry, Pharmaceuticals/Chemical Industry, Oil Industry, Coating & Many More



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## **PVC BAG FILTER HOUSING**

**Size :** 4.5x10", 4.5x20"

**Connection :** 1", 1.5"

PVC Bag Filter Housings are the best option and an alternative for Stainless steel housings. They are designed for high flow rate and high dirt holding capacity. PVC Housings are useful for filtering highly viscous fluids.

### Technical Specifications:

- Material of Construction: - PVC
- Closure type: - Union closure and Nut-Bolt type
- Continuous: - 45 psi
- Inlet and outlet: - 1.5" ANSI Flange
- Pressure withstanding capacity: 60 psi (Maximum)

Applications : Process Water Filtration, Food and Beverage Industry, RO Plants, Bottled Water, Paint Industry, Pharmaceuticals/Chemical Industry, Oil Industry, Coating & Many More



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## RESINS

**Resin :** Softener, DM, Supercharge, Iron Removal

Colour Removal, fluoride Removal

### Resin

Ion exchange resins used for conventional water treatment applications such as softening, deionisation and dealkalisation lower rinse volumes, high capacity, superior life pattern Resin are available.

Apart from industrial water treatment applications like softening, dealkalisation and demineralisation, we also have a wide range of resins for special applications including:

- Purification-separation-recovery-removal
- Polymeric adsorbent resins
- Polymeric catalyst resins
- Ion exchange resins for biotechnology
- Chelating resins for metal recovery
- Resins for ultrapure water
- Resins for customised applications



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## CARBON & FILTER MEDIA

**Carbon Iodine Value** : 600, 800, 1000, 1200

**Quality** : Coco Nut, Acid Wash, Synthetic

**Filter Media** : Silex, Pebble, Gravel

### Carbon

Our activated carbon products effectively remove pollutants, contaminants and other impurities from water, air, food and beverages, pharmaceuticals and more. We offer a wide range of industry-leading activated carbon solutions, each with their own uses and applications, in three major product groups:

- Powdered Activated Carbon
- Granular Activated Carbon
- Extruded Activated Carbon

### Filter Sand

Water filter sand is composed of sub-angular, hard, durable, and dense grains of predominantly siliceous material. Extracted from a clean glacial sand deposit, Mineral Water filter Sand physical properties make it among the finest available in the world for filtration applications. Media water filter sand is washed, clean dried, and screened to meet exact specifications with strict adherence to quality control.

### Gravel & Pebbles

Fluid Systems Gravel and water filter pebble is composed of sub-angular, hard, durable, and dense grains of predominantly siliceous material. Extracted from a clean glacial deposit, Fluid Systems Minerals Gravel and Pebble's physical properties make it among the finest available in the world for water filtration applications. Fluid Systems water filter gravel is washed, clean dried, and screened to meet exact specifications with strict adherence to quality control.

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## **FRP/POLYGLASS VESSEL**

**Size Top Only :** 844, 1054, 1248, 1354, 1464, 1665, 1865

**Size Top & Bottom :** 1465, 1665, 1865, 2162, 2472, 3072, 3672, 4272, 4872, 6367, 6386

We offer reinforced fibreglass construction for outstanding performance and durability. Available in capacities up to 1,600 gallons, composite vessels are available. Our vessels are 100% :

- For commercial and industrial water treatment and storage
- 100% composite fibreglass construction
- Outstanding performance and durability in harsh chemical environment
- Absolutely will not – and cannot – rust
- Requires little or no maintenance



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**WELLMATE | AQUASKY**

Pressure Tank : , FRP, MS

#### AQUASKY-PLUS (10 Bar) Pressure Tank

Aquasky Pressure tank is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner, and the pressurized air chamber is able to create a supply circle. This process reduces the number of times the motor need to start in order for the system pressure to remain at the set level. The tension of diaphragm maintains water pressure within the system, ensuring proper operation of the dishwasher and washing machine, and robust flow for showering and bathing. Aquasky pressure tank is an energy saving device and no maintenance is needed. A properly sized pump and pump tank will work as a team to meet your needs and will deliver many years of dependable service.

#### MEGA-PLUS (16 Bar, 25 Bar) Pressure Tank

Mega-Plus Pressure tank is an essential part of a pressurized water system that provides water pressure at a set level. The tank stores supplemental water between diaphragm and liner, and the pressurized air chamber is able to create a supply circle. This process reduces the number of times the motor need to start in order for the system pressure to remain at the set level. The tension of diaphragm maintains water pressure within the system, ensuring proper operation of the dishwasher and washing machine, and robust flow for showering and bathing. Mega-Plus provides high water pressure solution for the high rise building and the long distance pressure support. Insuring the water system works efficiently and energy saving with no maintenance.



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## MULTIPORT VALVE

**Size :** 20NB TMF, 20NB TMS, 25NB TMF, 25NB TMS, 25NB SMF, 25NB SMS, 40NB TMF, 40NB TMS, 40NB SMF, 40NB SMS, 50NB SMF, 50NB SMS, 65NB SMF, 65NB SMS

Multiport Valves in range of 3/4", 1", 1 1/2", 2" & 2 1/2" port openings with Side Mount & Top Mount options. Multiport Valves can also be provided with inlet, outlet connection i.e. L to R & configurations. Our MPVs are comprised up of the most wear resistant materials along with high hardness ceramic disk that provide longer accommodation life. An outcome of intelligent innovation by design, they are facile to handle with an additional excellent seal capability obviating internal leakage. By the rotation of handle in certain directions, various tasks such as brine suction, filter, rinse, back wash etc. can be accomplished.

- Clear & non smudging Laser Inscription
- Simple & smooth handling and an extremely quite operations
- Optimal flow rates / pressure drop characteristics
- Manual & easy adaptable for Automatic Controller
- Top mount & Side Mount options
- Available in 4 kg / cm<sup>2</sup> & 6 kg cm<sup>2</sup> working pressure ratings
- Softeners with built in injectors ensuring uniform regeneration



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## DOSING PUMPS

Size : 6LPH, 10LPH upto 100LPH

Manual and Digital Valves

Dosing pumps are the smart choice for water treatment processes where precise, consistent chemical dosing is essential. From potable water treatment systems to chemical dosing for agricultural applications, you'll always find a perfectly-matched solution within our comprehensive solenoid-driven dosing pumps range.

Powerful microprocessor technology guarantees dosing accuracy, while wall and base-mounting options, constant and proportional dosing and analogue and digital variants provide unrivalled choice. Most of these solenoid diaphragm pumps can even be used without performance loss in locations with no access to mains electricity or where power supply fluctuates courtesy of stabilized multi power supply.

The use of premium materials such as PVDF and food-grade PTFE in the liquid end components gives our solenoid dosing pumps the flexibility to be used in multiple applications, as they have high resistance to a variety of aggressive chemicals including highly-corrosive substances such as acids. With just a single moving part, these diaphragm pumps are virtually wear-free and require no lubrication of bearings or shafts, minimizing maintenance requirement and repair costs whilst offering excellent continuous-running characteristics.



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## MEMBRANE HOUSING

**Size :** 4" & 8" **Element :** 1, 2, 3, 4, 5, 6, 7, 8

**PSI :** 300, 450, 600, 1000, 1200

Our basket consists of 4" and 8" side port, end port FRP membrane housing with an applicable working pressures that range from 300 psi and 450 psi to 600psi, 1000psi and even 1200psi that can be loaded with 1 – 8 core membrane elements.

Our FRP membrane housings are suitable for DOW, HYDRANAUTICS, OSMONICS, KOCH, TORAY, CSM, VONTRON and other international standard membrane elements.

All the products have passed various certifications like Drinking Water Sanitation, etc. It can be applied to a variety of complex media environments. The standard color is white, and other optional colors are available.

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## **RO / UF / NF MEMBRANE**

**Model :** BW, Sea Water, Low Fouling, Low Energy

The Membrane portfolio consists of separation-technology products that are highly effective in industrial, municipal, commercial, and consumer water applications. Leveraging proven and highly effective technologies, such as reverse osmosis (RO) and nanofiltration (NF), Membrane products reject more dissolved solids and organics, and use less energy to produce permeate, than typical elements. From use in brackish water purification to speciality separations, elements in the Membrane portfolio achieve high, yet cost-effective, performance through their ability to:

- Tolerate a wide range of operating conditions
- Maintain excellent structural and pH stability.
- Produce excellent membrane flux and salt rejection.
- Operate very efficiently at lower pressures.
- Resist bacterial growth.

Ultrafiltration (UF) is a pressure-driven purification process that separates particulate matter from soluble compounds using an ultrafine membrane media. UF is an excellent separation technology for desalination pretreatment, reverse osmosis pretreatment, and wastewater reclamation, as well as for producing potable water. We offer a portfolio of products designed for outstanding membrane separation, extreme productivity and efficiency, and exceptional reliability.



## ETP & STP MEDIA

**Type :** MBBR, Fine Bubble Diffuser, Tube Settler, Tube Bubble Diffuser

### MBBR Bio Filter Media

Product Introduction of MBBR Bio Filter Media MBBR Bio Filter Media, used in Integrated Fixed-In Activated Sludge (IFAS) and moving bed biofilm reaction (MBBR) system. The wastewater goes through suspending media of MBBR reactor, forming biological membrane on the surface of media gradually.

### High Efficient Wastewater Treatment Fine Bubble Disc Diffuser

Membrane Disc Diffuser features a unique split pattern and slit shapes, which can disperse air bubbles in an extremely fine and uniform pattern for high oxygen transfer efficiency.

### Tube Settler Media for Sewage Treatment

The tube settler media is very suitable in all different clarifiers and removing sand. It is regarded as universal water treatment equipment in water supply and drainage engineering.

### EPDM Membrane Tube Bubble Diffuser for Waste Water Treatment

Membrane Tube Diffusers can be connected on one side or in pairs to different rectangular and round tubes (ABS material) with the appropriate adapter.





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Ultrafiltration Module	Module Diameter	Module Length
Specification	mm (Inch)	mm (Inch)
GRAFiL 4040	100 (4)	1146 (45)
GRAFiL 6040	175 (7)	1290 (51)
GRAFiL 8040	215 (8.5)	1300 (51)
GRAFiL 8060	215 (8.5)	1524 (60)
GRAFiL 10050	250 (10)	1250 (50)
GRAFiL 10060	250 (10)	1670 (67)



**MBR, UF, EDI**

Type : Polynorbit UF /MBR Membrane

**GRAFiL ULTRAFILTRATION MEMBRANE - The Ultra Filtration products are:**

**Energy Efficient :** 'PolyNorbit' the unique polymer supports 0.02 micron filtration with less feed pressure and no need of air blower.

**Low Fouling :** Highly hydrophilic polymer results in Low fouling.

**No Aggressive Chemical :** Unique polymer structure allows cleaning with mild cleansers like household citric acid and baking soda. **No HCl No NaOH**

**Strong :** Our asymmetric fiber with no reinforcements supports outflow filtration, thus no air scouring need.

**GRAFiL MBR MEMBRANE - Our MBR Modules support:**

**High Temperature :** As long as your design Biology supports, our "PolyNorbit" can be used upto 39 degree C operation yet deliver < 3SDI

**More Tolerant :** Though not recommended from biology perspective, occasional oil up-to 50 ppm does not affect MBR operation.

**Low Fouling :** Highly hydrophilic fiber results in Low fouling.

**High Tensile strength :** Enables submerged operation as well as external membrane aeration for membrane.



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## **HPP, HPN & SUBMERSIBLE PUMP**

We offer advanced water pumping solutions to a wide range of applications such as irrigation and micro irrigation, horticulture, domestic water supply, commercial and industrial applications and so on. With a leading position in solar pump markets in India, our supplier exports a wide range of pumping products to over 100 countries globally.

Quality and energy efficiency are our hallmarks that instills pride in us as a pioneer in supply of stainless steel submersible pumps and motors. With commitment to sustainable energy goals and climate change mitigation efforts, we along with our supplier, have diversified into solar energy operated pumps and rooftop products and have a cumulative installed capacity of over 200MW which itself manifest our commitments to green energy initiatives.

With superior quality at global benchmarks, we are competing with globally-renowned businesses thanks to our advanced production facilities, high-tech processes and innovative designs which set us apart from the rest. We believe in quality, ethics and customer orientation that drives us to work our way up to become world class.



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## ROTA METER & PRESSURE GUAGE VICTAULIC COUPLING

### ROTAMETER

The best Rotameters in business are made up of PSU (Poly Sulfone) / PC (Polycarbonate) body which makes them athletic and adaptable. The PVDF floats lead to operate in extreme range of pH.

LPH : 250, 500, 1200, 1600, 2500, 4000, 6000, 10000, 16000, 25000, 40000, 60000, 125000, 150000

### PRESSURE GUAGE

Heavy duty stainless steel case suitable for adverse service conditions where pulsation or vibration exists. For use with oil, water or any other liquid which will not attack brass or bronze.

### Specification:

- Diameter: 63mm
- Ranges: from 10Kg and 21Kg pressure
- Accuracy:  $\pm 1.0\%$ ,  $\pm 1.6\%$  &  $\pm 2.5\%$  FSD (subject to diameter)
- Connection: Bottom or Rear – 1/8", 1/4", 3/8" & 1/2" BSP, BSPT or NPT
- Case Filling: Glycerine,                      • Case Material: 304 Stainless Steel
- Thread Material: Brass                      • Process Temperature: 60, °C Max
- Weather Protection: IP 65



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## ELECTROMAGNETIC FLOW METER & ONLINE MONITORING SYSTEM

### ROTAMETER

The best Rotameters in business are made up of PSU (Poly Sulfone) / PC (Polycarbonate) body which makes them athletic and adaptable. The PVDF floats lead to operate in extreme range of pH.

LPH: 250, 500, 1200, 1600, 2500, 4000, 6000, 10000, 16000, 25000, 40000, 60000, 125000, 150000

### PRESSURE GAUGE

Heavy duty stainless steel case suitable for adverse service conditions where pulsation or vibration exists. For use with oil, water or any other liquid which will not attack brass or bronze.

### Specification:

- Diameter: 63mm
- Ranges: from 10Kg and 21Kg pressure
- Accuracy:  $\pm 1.0\%$ ,  $\pm 1.6\%$  &  $\pm 2.5\%$  FSD (subject to diameter)
- Connection: Bottom or Rear – 1/8", 1/4", 3/8" & 1/2" BSP, BSPT or NPT
- Case Filling: Glycerine
- Case Material: 304 Stainless Steel
- Thread Material: Brass
- Process Temperature: 60 °C Max



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## INSTURMENTATION

**Instruments :** PH Meter, TDS Meter, ORP Meter, Conroller

You'll find the best in class certified range of Digital Instruments with us. From pH indicators to Conductivity and TDS indicators, we have it all for you. With our in-depth knowledge in this domain, we are actively engaged in offering an excellent quality assortment of Online Water Meter.

PH / ORP / TDS / Conductivity are the primary controlling parameters for any process used in a wide variety of industries ranging from water, chemical, pharmaceutical, food processing etc. Our online controllers are used to monitors these process parameters.

### FEATURE:

-Robust design      - Accurate result      - Easy to operate

### ENCLOSURE:

Mounting : Panel mounting  
Cut out :92(L)mm X 92(W)mm.

Position : Panel  
Terminal : Screw ON Terminals

Enclosure : 96(W)X96(L)X53(D)mm.





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## CHEMICALS & ACUMER

Type : Anti-Scalant, Acumer, Boiler Chemicals, etc.

We have high grade of general and silica predicated anti scalants to be dosed customarily in RO plants. Our anti scalants control all kinds of inorganic, metal or colloidal scales and precipitates even at extreme pH and temperatures. The obviate scale formation and even biological magnification in few applications. The polymer construction makes it compatible for all kinds of RO applications.

We also cater the needs for Dow ACUMER<sup>TM</sup> polyacrylate water-soluble scale inhibitors which can help prevent the formation of scale in recirculating cooling systems, boilers, and evaporators. ACUMER<sup>TM</sup> polymers can keep salts dispersed to prevent deposition and can modify the structure to make scale less tenacious and durable. ACUMER<sup>TM</sup> products are effective on particulate matter containing calcium carbonate, calcium sulfate, calcium phosphate, silica and silicate, silt and iron, reducing their adhesion to heat transfer surfaces.

- Acumer 1000

- Acumer 1100

- Acumer 1035

- Acumer 9300

- Acusol 445



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## UV SYSTEM

It is a reliable means of disinfection which involves exposing contaminated water to radiation from UV light. The treatment works because UV light penetrates an organism's cell walls and disrupts the cell's genetic material, making reproduction impossible. A special lamp generates the radiation that creates UV light by striking an electric arc through low-pressure mercury vapor. This lamp emits a broad spectrum of radiation with intense peaks at UV wavelengths of 253.7 nanometers (nm) which research has shown is the optimum UV wavelength range to destroy bacteria. UV disinfection can remove the threat to health from waterborne Pathogens without the creation of disinfection by products that can be generated from drinking water chlorination. From the common bacteria, E-Coli through the Cryptosporidium Oocysts to Adenovirus, UV disinfection systems are capable of providing effective water treatment to ensure inactivation of these pathogens and ensure drinking water is safe.

### Advantages of using UV over Chlorine

- Has no known toxic or significant nontoxic by products.
- Has no danger of overdosing.
- Has no volatile organic compound (VOC) emissions or toxic air emissions.
- Has no onsite smell and no smell in the final water product.
- Requires very little contact time (seconds versus minutes for chemical disinfection).
- Improves the taste of water
- Does not affect minerals in water.



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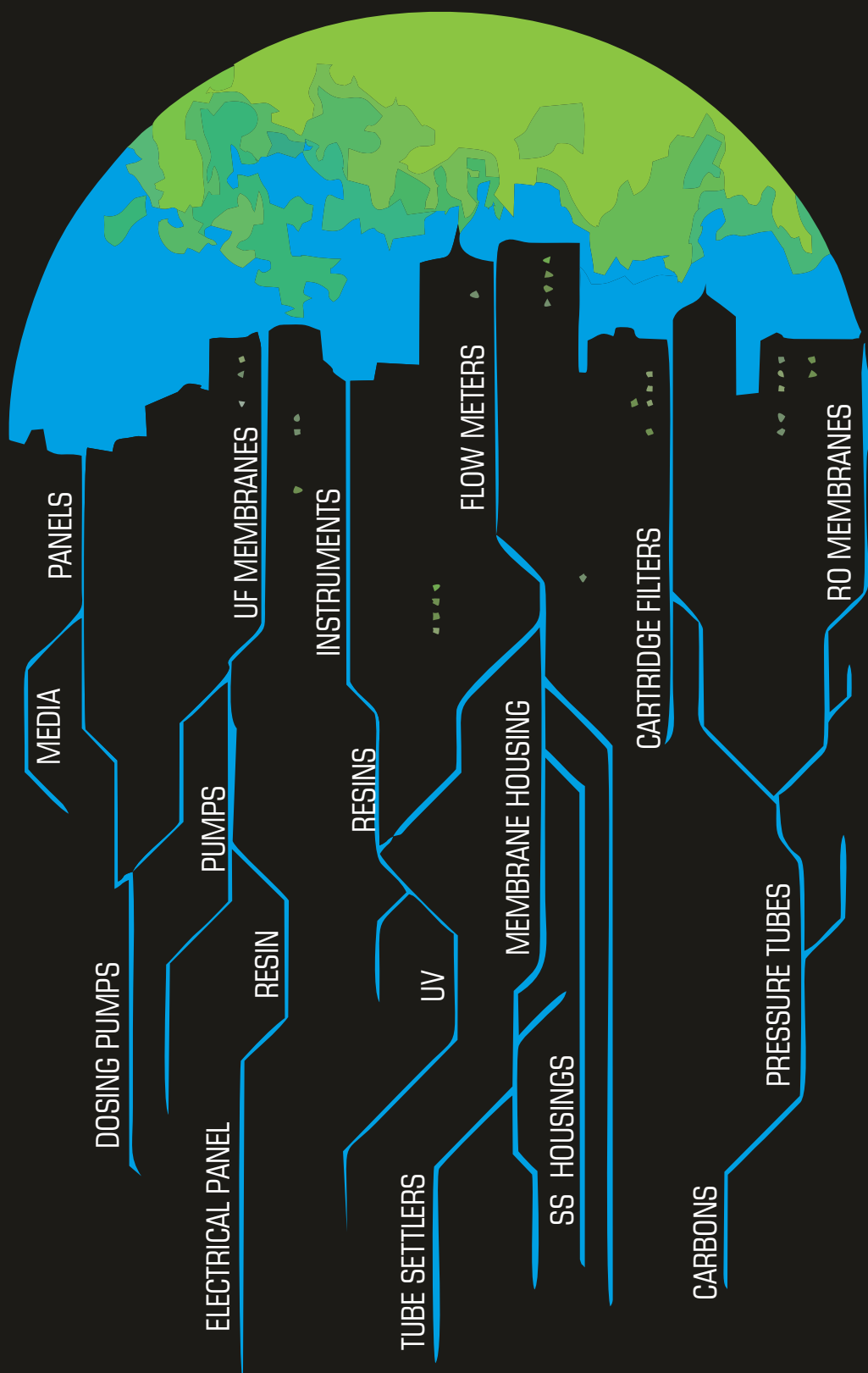


## ELECTRICAL RO/UF PANEL

Every plant and industry is so vast that the electricity consumption in that plant is very much high and is consumed in an inefficient manner. That's why it is very much necessary to consume the electricity in an efficient manner. Electrical panel helps to manage the consumption of electricity in an efficient manner. These panels control the electricity supply in an efficient manner as these panels control the electricity flow through generator, motor etc.

These panels are used for starting and stopping the generator i.e, when main power supply fails, within some prefixed time the generator gets started by this panel and when power supply returns back to normalcy, it turns the generator off. These panels are very much eco-friendly and robust in nature which helps them in working very efficiently.

- |                           |                 |                          |
|---------------------------|-----------------|--------------------------|
| • AMF Panel               | • APFC Panel    | • Main LT panel          |
| • STP/ETP/WTP Panel       | • Starter Panel | • Bus Duct               |
| • CSR Panel               | • Cable Tray    | • Cable Tray Accessories |
| • G Synchronization Panel | • Control Desk  |                          |



 **DUVERA**  
— BUILDING TRUST —

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