

RO Membrane

RO membrane is made of the highest quality polyamide film composite material, Rejects impurities down to 0.0001 micron, which can completely filter out all particles of sand, colloid, rust, bacteria, viruses, scale, heavy metals, etc. in the water. Provide high-quality drinking water and enjoyment for your home or business.

Feed Water Pressure: 35 - 100 PSI

Temperate: 40 - 110°F/5-45°C

PH :3.0 -11.0

MAX TDS:1000 MG/L

Turbidity < 1.0 NTU

MAX SDI <4.0

Hardness < 5 GPG

Desalination rate: 94-96%



Model	Purification Flux	Average Traffic	Size	Matching membrane housing
BSD-1812-50	50G	0.13L/min	46*298mm	1812 Membrane Housing
BSD-1812-75	75G	0.2L/min	46*298mm	1812 Membrane Housing
BSD-2012-100	100G	0.26L/min	48*298mm	2012 Membrane Housing
BSD-2812-200	200G	0.52L/min	68*298mm	2812 Membrane Housing
BSD-3012-300	300G	0.78L/min	71*298mm	3012 Membrane Housing
BSD-3012-400	400G	1.00L/min	71*298mm	3012 Membrane Housing
BSD-3013-400	400G	1.00L/min	68*333mm	3013 Membrane Housing
BSD-3013-600	600G	1.56L/min	68*333mm	3013 Membrane Housing

Ultra low pressure reverse osmosis ULP series membrane

ULP series membrane is mainly used as an ultra-low pressure composite reverse osmosis membrane element for desalination treatment of surface water and groundwater with a salt content of up to 2000mg/L. It can be widely used in packaging drinking water, automatic water vending machines in residential areas or parks, office direct drinking equipment, food and beverage, etc. It has the characteristics of high water production, low operating pressure, and good desalination performance.



Model	Effective membrane area ft2(m2)	Water production GPD (m3/d)	Stable desalination rate(%)	est conditions (water temperature 25 °C , pH 7.5-8.0)		
				NaCl concentration mg/L	Test pressure psi (MPa)	rate of recovery (%)
ULP-4021	36(3.3)	950(3.6)	99.2	1500	150(1.03)	8
ULP-2540	27(2.5)	750(2.8)	99.2	1500	150(1.03)	15
ULP-2521	14(1.3)	400(1.5)	99.2	1500	150(1.03)	8
ULP-4040MR-2	100(9.3)	2400(9. 1)	99.6	1500	150(1.03)	15
ULP-4040HF	100(9.3)	2700(10.2)	99.5			
ULP-4040-2	85(7.9)	2200(8.3)	99.5			
ULP-4040	85(7.9)	2600(9.8)	99.35			
ULP-8040MR-2	440(40.9)	10500(39.7)	99.6	1500	150(1.03)	15
ULP-8040HF	440(40.9)	12500(47.3)	99.5			
ULP-8040-2	400(37.2)	10000(37.8)	99.5			
ULP-8040	400(37.2)	11000(41.6)	99.35			

Ultra low pressure reverse osmosis XLP series membrane

XLP series membrane is mainly used for desalination treatment of surface water and groundwater with a salt content of 1000mg/L. The ultra-low pressure composite reverse osmosis membrane element can be widely used in packaging drinking water, automatic water vending machines in residential areas or parks, office direct drinking equipment, food and beverage, etc. It has the characteristics of high water production, low operating pressure, and good desalination performance.



Model	Effective membrane area ft2(m2)	Water production GPD (m3/d)	Stable desalination rate(%)	est conditions (water temperature 25 °C , pH 7.5-8.0)		
				NaCl concentration mg/L	Test pressure psi (MPa)	rate of recovery (%)
XLP-4040HF	100(9.3)	3000(11.3)	99	500	100(0.69)	15
XLP-4040	90(8.4)	2600(9.8)	99.2			
XLP-8040HF	440(40.9)	13000(49.2)	99	500	100(0.69)	15
XLP-8040	440(40.9)	11000(41.6)	99.2			

UF membrane

UF membrane is made of high-strength hollow fiber PVDF. It can effectively remove suspended solids, colloids, bacteria, viruses, and large organic molecules from water while retaining mineral ions.

- 0.03 μm nominal pore diameter, guarantees stable permeate
- Hydrophilic PVDF fibers for easy cleaning and wettability
- PVDF polymeric hollow fibers for high strength and chemical resistance allows long membrane life



Model	UF4040U	UF6040U	UF8060U	UF8040C	UF8060C	FUF1060C
Membrane Surface Area (m2/ft2)	8 / 86.11	25 / 269.10	60 / 645	40 / 430.55	55 / 592	75 / 807.29
Hollow Fiber Material	PVDF					
Pore Size (µm)	0.03					
ID / OD (mm/inch)	0.7 (0.027) / 1.3 (0.051)					
Flow Direction	Outside - in					
L1 (mm/inch)	1,225 / 48.23	1,410 / 55.51	1,882 / 74.09	1,295 / 50.98	1,670 / 65.75	1,670 / 65.75
L2 (mm/inch)	1,025 / 40.35	1,045 / 41.14	1,473 / 57.99	1,200 / 47.24	1,595 / 62.80	1,595 / 62.80
D (mm/inch)	90 / 3.54	160 / 6.30	200 / 7.87	200 / 7.87	200 / 7.87	250 / 9.84
A (mm/inch)	110 / 4.33	195 / 7.68	240 / 9.45	235 / 9.25	235 / 9.25	290 / 11.42
In/Outlet Connector	DN25	DN32	DN40	DN50	DN50	DN50
Housing Material	UPVC					
Joint Material	UPVC			Stainless Steel		
Sealant	Epoxy Resin					
Max. Feed Pressure (Mpa/psi)	0.3 / 43.52					
Operation Flux (L/H)	400 - 1,200	1,250 - 3,750	3,000 - 9,000	2,000 - 6,000	2,750 - 8,250	3,750 - 11,250
Max. TMP (Mpa/psi)	0.2 / 29.01					
Operation Temp	5 - 40 / 41 - 104					
pH Range	2.0 - 12.0					
Max. Turbidity (NTU)	300					
Permeate Turbidity	≤ 0.1					
Permeate SDI	≤ 3.0					
Max. Continuous Chlorine (ppm)	1,000 (available chlorine concentration)					
Backwash Flux (L/H)	600 - 800	1,900 - 2,500	4,500 - 6,000	3,000 - 4,000	4,200 - 5,500	5,500 - 7,500
Air Scouring Flux (Nm3/H)	0.6 - 1.0	1.5 - 3	4 - 6	3 - 5	4 - 6	6 - 9

Stainless Steel RO Membrane Housing

Stainless steel RO membrane housing (reverse osmosis membrane housing) is a key component in reverse osmosis (RO) water treatment systems, used to accommodate and protect RO membrane elements, withstand high pressure, and ensure stable system operation.

Material: SUS304, SUS316L;

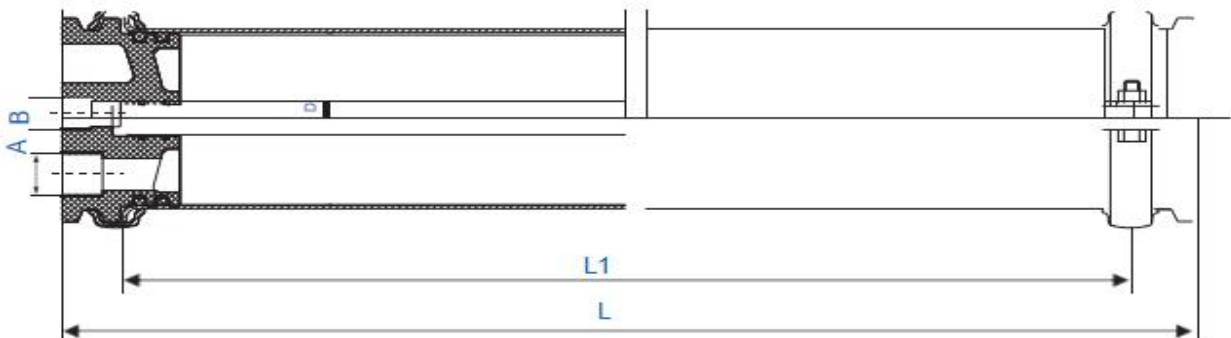
Material of end cap: ABS; SUS304; SUS316L;

Max working pressure 250Psi;

Polished or brushing external surface.



Stainless Steel Housing - clamp type (with slit/seamless ABS end)



Model	L (mm)	L1 (mm)	D (mm)	A (in)	B (out)
BSD-2514	417	363	Ø 62	3/8 "	1/4 "
BSD-2521	594	540	Ø 62	3/8 "	1/4 "
BSD-2540	1082	1024	Ø 62	3/8 "	3/8 "
BSD-4041	427	367	Ø 102	1/2 "	1/2 "
BSD-4021	605	545	Ø 102	3/4 "	1/2 "
BSD-4040	1088	1028	Ø 102	3/4 "	1/2 "
BSD-4080	2104	2044	Ø 102	3/4 "	1/2 "
BSD-40120	3120	3066	Ø 102	3/4 "	1/2 "
BSD-40160	4136	4076	Ø 102	3/4 "	1/2 "

FRP Tank

FRP tanks are storage tanks made of fiber-reinforced plastic. The term “FRP” stands for “Fiber Reinforced Plastic” and usually contains a resin matrix reinforced with reinforcing fibers such as glass fiber or carbon fiber. This combination gives the tanks high durability and chemical resistance.

FRP tanks can load filter materials such as ion exchange resins, quartz sand and activated carbon to remove calcium ions, magnesium ions, suspended solids, sediment, color, odor, etc. compared With the traditional water treatment tanks, FRP tanks feature light weight, high strength, good corrosion resistance, thermal performance, good electrical performance, leakage free, easy shipping and installation, etc. It is widely used in petroleum,water treatment plants, food, pharmaceutical,printing and dyeing industries.



Model	Diameter × Height (mm)	Opening Size
617	150*450	2.5-inch
817	200*450	2.5-inch
835	200*890	2.5-inch
844	200*1120	2.5-inch
1054	250*1380	2.5-inch
1252	300*1332	2.5-inch
1265	300*1650	2.5-inch
1465	350*1650	2.5-inch
1665	400*1650	2.5-inch
2069	500*1750	4-inch

Model	Diameter × Height (mm)	Opening Size
2465	600*1900	4-inch
3065	750*1900	4-inch
3665	900*1900	4-inch
4065	1000*1900	4-inch
4079	1000*2250	4-inch
4872	1200*2300	6-inch
6079	1500*2400	6-inch
7279	1800*2600	6-inch
8079	2000*2600	6-inch

Both colors and models can be customized upon request.

Universal FRP tanks are provided with an upper opening and a lower opening to facilitate medium loading and unloading.

Stainless Steel Filters Tanks

Stainless steel filters tanks, also known as pre-treatment tanks, can achieve filtration effects for different media and can be used as sand filters, carbon filters, or softening tanks. It is made of high-quality stainless steel (304 or 316L) and adopts fully automatic argon arc welding (TIG welding) and double-sided weld forming technology. The exterior adopts a mirror polished surface, while the interior is coated with nano antibacterial PTFE. The coating is electrostatically adsorbed and firmly bonded to the tank wall in a 180 ° C oven, providing corrosion resistance, rust prevention, and strong acid and alkali protection. Customized designs can be provided upon request.



Model Diameter × Height (mm)	Thickness (mm)	Opening Size
200×450	1.5	Upper opening: 2.5-inch
200×950	1.5	Upper opening: 2.5-inch
250×950	1.5	Upper opening: 2.5-inch
250×1100	1.5	Upper opening: 2.5-inch
250×1400	1.5	Upper opening: 2.5-inch
300×1400	1.5	Upper opening: 2.5-inch
300×1650	1.5	Upper opening: 2.5-inch
350×1650	1.5	Upper opening: 2.5-inch
400×1650	1.5	Upper opening: 2.5-inch

Model Diameter × Height (mm)	Thickness (mm)	Opening Size
500×1750	2.0	Upper & lower openings: 4-inch
600×1900	2.0	Upper & lower openings: 4-inch
750×1900	2.0	Upper & lower openings: 4-inch internal thread
750×2100	2.0	Upper & lower openings: 6-inch flange connection
900×1900	3.0	Upper & lower openings: 4-inch internal thread
900×2100	3.0	Upper & lower openings: 6-inch flange connection
1000×2100	3.0	Upper & lower openings: 4-inch internal thread
1000×2400	3.0	Upper & lower openings: 6-inch flange connection
1200×2200	3.0	Upper & lower openings: 4-inch internal thread
1200×2400	3.0	Upper & lower openings: 6-inch flange connection

Notes:

- The above tank sizes are standard stocked dimensions. Tanks with diameters ranging from 1000mm to 3000mm can be customized.
- Internal anti-corrosion treatment options include plastic lining or rubber lining (rubber thickness is customizable).
- External finishes can be brushed or polished.
- For special customization, contact customer service

Stainless Steel Bag Filter

Bag filter is a common industrial filtration equipment, mainly used for solid-liquid separation of liquids or gases, particle filtration, etc. It is divided into clamp type, ordinary flange type, and quick installation hanging ring type, and is made of 304/316 stainless steel material. Its structure is divided into three parts: filter cylinder body, support mesh basket, and filter bag. The liquid flows in from the inlet, passes through the filter bag, and flows out from the outlet. Impurities are intercepted in the filter bag, which can be replaced or cleaned before continuing to be used. The supporting mesh basket is made of high-strength steel plates punched, which can prevent the migration of filter bag fibers and ensure high filtration efficiency. Bag filter models are divided into single bag and multi bag specifications.



Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet
Single bag No.1	200x660	1.2	DN40
Single bag No.2	200x1060	1.2	DN50
Single bag No.3	170x550	1.2	DN25
Single bag No.3	170x660	1.2	DN25
2 bags	400x1400	2.0	DN65
3 bags	450x1420	2.0	DN80
4 bags	550x1430	2.0	DN100

Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet
5 bags	550x1430	2.0	DN125
6 bags	600x1900	3.0	DN125
7 bags	700x1900	3.0	DN150
8 bags	750x1900	3.0	DN200
10 bags	900x1900	4.0	DN250
14 bags	1000x1900	4.0	DN250



Security Precision Filter

Precision filters (also known as security filters) are clamped hoop type, ordinary flange type, and quick installation hanging ring type. They are made of 304 or 316 stainless steel and are equipped with melt blown filter cartridges (PP cotton filter cartridges) or wire wound filter cartridges as filter materials. Depending on the precision of the filter aperture, particles of different sizes are intercepted to achieve the purpose of filtration. This filter is widely used in industries such as environmental protection, water treatment, food, beverage, medicine, petroleum, chemical, etc. It is an ideal filter for various liquid filtration, clarification, and purification processes.



Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet
3 cores 10"	170x400	1.0	DN25
3 cores 20"	170x650	1.0	DN25
5 cores 10"	200x410	1.0	DN40
5 cores 20"	200x660	1.0	DN40/DN25
5 cores 30"	200x910	1.0	DN40
5 cores 40"	200x1160	1.0	DN40
7 cores 20"	230x670	1.2	DN40
7 cores 30"	230x920	1.2	DN50
7 cores 40"	230x1170	1.2	DN50

Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet
10 cores 40"	300x1370	1.5	DN50
15 cores 40"	350x1380	1.5	DN65 Flange
20 cores 40"	400x1400	2.0	DN65 Flange
25 cores 40"	450x1410	2.0	DN80 Flange
32 cores 40"	500x1420	2.0	DN80 Flange
40 cores 40"	550x1430	2.0	DN100 Flange
50 cores 40"	600x1450	3.0	DN100 Flange
68 cores 40"	750x1900	3.0	DN125 Flange



High flow stainless steel filter

High flow stainless steel filter (also known as high flux precision filter), the cylinder shell is generally made of 304/316 stainless steel material, and the internal adopts external pressure high flow filter element as the filtering element. The single core can reach 25-30 tons of water per hour. Different filtering elements are selected according to different filtering media and design processes to achieve the filtering effect.

The filter body can be divided into ordinary flange type or quick installation hanging ring type for convenient and quick replacement of filter elements and cleaning. High flow filters are widely used in industries such as pharmaceuticals, chemicals, food, beverages, water treatment, and environmental protection. They are ideal filters for various liquid filtration, clarification, and purification processes.



Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet	Model	Size Diameter *Height (mm)	Thickness (mm)	Inlet and outlet
1 cores 40"	219x1200	1.5	DN65	7 cores 40"	600x1700	3.0	DN150 Flange
2 cores 40"	400x1400	2.0	DN80 Flange	8 cores 40"	700x1800	3.0	DN150 Flange
3 cores 40"	450x1410	3.0	DN100 Flange	9 cores 40"	750x1800	3.0	DN200 Flange
4 cores 40"	500x1420	3.0	DN100 Flange	10 cores 40"	800x1850	4.0	DN200 Flange
5 cores 40"	550x1430	3.0	DN125 Flange	12 cores 40"	900x1850 4.0	4.0	DN200 Flange
6 cores 40"	600x1700	3.0	DN125 Flange	14 cores 40"	1000x1900 4.0	4.0	DN200 Flange

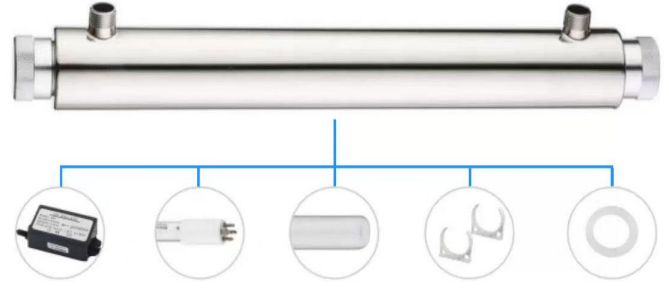
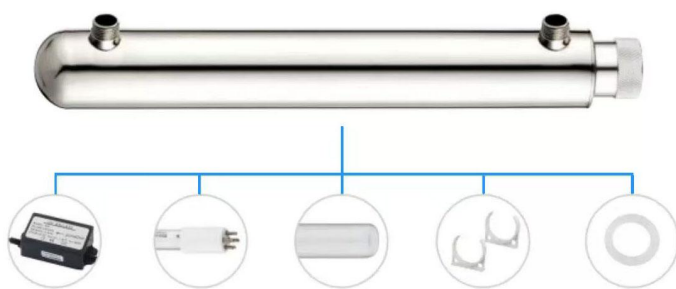


UV Sterilizer

Ultraviolet (UV) sterilizer is a disinfection device that uses short wave ultraviolet light (UVC, wavelength 200-280nm) to destroy microbial DNA/RNA, causing it to lose its reproductive ability. It is widely used in water treatment, air purification, and surface sterilization.

FEATURES

- Reliable High-performance UV lamp, rigorously tested to provide consistent output over the entire lamp life
- Controller will go into alarm if the lamp fails
- UV chamber with great welding process which enables to pass 1.04MPa 100,000 times water hammer test
- Perfect for a wide range of single-faucet, point-of-use or low flow point-of-entry water treatment solutions in homes, cottages, or OEM applications.



Model	Flow rate m ³ /hr	GPM	Reactor dimension	Interface Size	Lamp power
BSD-004	0.07	0.3	200 X 50.8mm	1/4"	4w
BSD-006	0.1	0.5	260 X 50.8mm	1/4"	6w
BSD-012	0.2	1	315 X 50.8mm	1/4"	12w
BSD-016	0.4	2	375 X 63.5mm	1/2"	16w
BSD-025	1.4	6	595 X 63.5mm	1/2"	25w
BSD-030	1.8	8	915 X 63.5mm	3/4"	30w
BSD-035	2.0	9	955 X 63.5mm	3/4"	35w
BSD-040	2.3	10	890 X 63.5mm	3/4"	40w
BSD-055	2.7	12	955 X 63.5mm	3/4"	55w
BSD-080	3	12	910 X 63.5mm	3/4"	80w

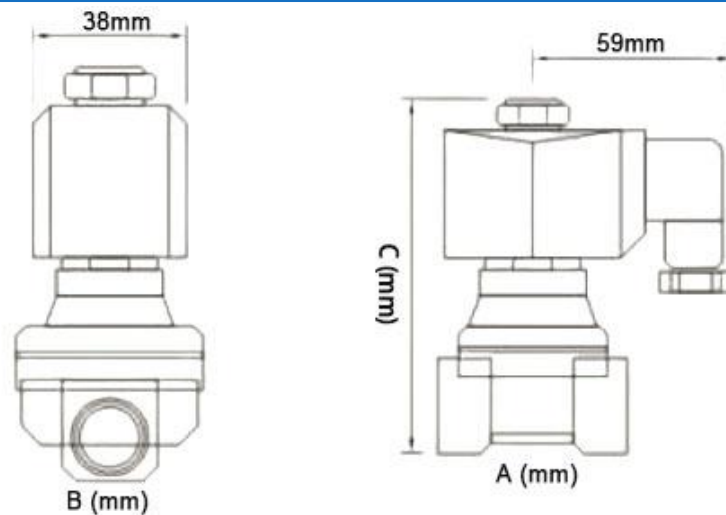
Solenoid Valve

Solenoid Valve is an electromechanically operated valve used to control the flow of liquids or gases. It consists of a solenoid (electromagnetic coil) and a valve body, which opens or closes when an electric current is applied.

- Protection class: IP65, dust proof and water proof
- Normally closed and open
- DIN connector and wire leads are available
- Insulation grade: H class, good resistance to high temperature
- NBR, VITON, EPDM, SILICONE seals are available



Specification



Model	Port	Pressure	Body material	AxBXC
PU-03	1/4"	0-10/kgf/cm ²	Copper/Stainless	40x26x65
PU-10	3/8"	0-10/kgf/cm ²	Copper/Stainless	65x47x93
PU-15	1/2"	0-10/kgf/cm ²	Copper/Stainless	65x47x93
PU-20	3/4"	0-10/kgf/cm ²	Copper/Stainless	72x45x100
PU-25	1"	0-10/kgf/cm ²	Copper/Stainless	90x70x108
PU-35	1 1/4"	0-10/kgf/cm ²	Copper/Stainless	120x90x131
PU-40	1 1/2"	0-10/kgf/cm ²	Copper/Stainless	120x90x131
PU-50	2"	0-10/kgf/cm ²	Copper/Stainless	150x112x146

10" and 20" Standard Filter Housings



10" and 20" standard filter housings are constructed of a durable reinforced polypropylene or clear Styrene-Acrylonitrile (SAN).

Filter housings will accommodate a wide range of 2-1/2" or 2-5/8" diameter cartridges. The reinforced polypropylene cap offers an optional pressure-relief button on the inlet side to relieve pressure inside the housing when changing filter cartridges. Polypropylene (HFPP) cap is available with 1/2" 3/4", 1" NPT inlet and outlet ports.

Reinforced polypropylene housings have excellent chemical resistance and are ideal for many residential, commercial and industrial applications.

10" 20" Big Blue and Big Clear Filter Housings

Big Blue and Big Clear Filter Housings offer the versatility to meet all of your large-capacity filtration needs, including high-flow and heavy-sediment applications. The extra large housing allows for greater cartridge capacity, reducing the number of vessels required for high flow-rate applications. Sumps are available in both 10" and 20" lengths.

The High-Flow Polypropylene (HFPP) cap is available with 3/4", 1" or 1-1/2" NPT inlet and outlet ports. The 1-1/2" internal port allows a greater volume of liquid to pass through the HFPP cap more rapidly.



Specifications

Material (housing)	Polypropylene (opaque) or Styrene Acrylonitrile (clear)
Material (cap)	Reinforced polypropylene
Material (button assembly)	300 Series stainless steel, EPDM, and polypropylene
Material (o-ring)	EPDM
Temperature Rating	40-125°F (4.4-51.7°C)
Maximum Pressure	125 psi (8.6 bar)

Water Filter Housing

Water filter housings are great for agriculture, water well, whole house residential and recreational vehicle applications. They have a threaded inlet and outlet with a relief button on the inlet side. These housings fit industry standard filter cartridges. The filter heads have mounting bosses molded in for installation with a mounting bracket. Each unit comes with the housing, o-rings, filter bowl wrench, and a mounting bracket with hardware.

Water filter housings can be used as a whole-house sediment filter or an undersink drinking water filter depending on the filter cartridge used.



Tabletop Water Filters



3-Stage Big Blue Whole House Water Filter(10"X4.5")

10 inch whole house water filter housing, used for sediment filters, compressed activated carbon filters, granular activated carbon filters, etc. You can rest assured that it can purify the water entering your home and make your family drink cleaner. It can prevent particulate matter from entering pipelines and pipeline fixtures, reducing maintenance on downstream pipelines, water purifiers, water heaters, wall mounted gas boilers, washing machines, showers, and other terminal water supply equipment.



3-Stage Big Blue Whole House Water Filter(20"X4.5")

3-Stage Big Blue Whole House Water Filter (20" x 4.5") is a high-capacity filtration system designed to provide clean water for an entire household. It uses three sequential filtration stages to remove sediment, chlorine, heavy metals, and other contaminants.

Big Blue Whole House Triple Filter System:

Heavy Duty design, easy filter cartridge changes

Pressure release Valve

1" NPT input/output (water line diameter)

Housing Wrench



Polypropylene Filter Cartridge

The 1st stage is sediment filter. The whole house water filter is designed with density three PP layers to remove most particle and sediments. The multi-layer density tech can capture impurities targetedly and have 30% longer service life than the other common type.

Granular Activated Carbon Filter

The 2nd filter element is made of granular activated carbon. There are more micropores on its surface, so it has a strong adsorption capacity and can absorb various impurities and organic pollutants in the water.

Activated Carbon Block Filter

The 3rd stage filter cartridge is Carbon block filter. It has a larger specific surface area, more adsorption micropores, and each part of activated carbon can fully contact with water flow, to achieve efficient utilization and filtration.

Transparent Backflushing Water Purifier

Polypropylene Head - Sturdy and durable for long term use.

Transparent SAN tank - Allows you to easily see the level of filtration and the need for maintenance.

Polypropylene filter head fitted with brass inlet-outlet inserts

Brass drain valve

Durable construction, easy to connect and clean.

Material: PP/PA

Spdcification: Bowl size available for small 5", big 5" and 10"

Interface size: 1/2" 3/4" 1"

Cartridge: Nylon filter Cartridge

Application: Livestock farms, washing machines



Nylon Mesh Filter Cartridge



Nylon mesh filter cartridge has a unique fishbone structure to improve filtration efficiency and durability. Washable monofilament nylon mesh cartridges complete with flat PVC gaskets. this cartridge ensures the removal of impurities, including sediments, chlorine and other contaminants, improving the taste and quality of the water.

Product Name	Nylon Mesh Filter Cartridge
Material	Nylon Mesh
Model	5", 10", 20"
Skeleton	PP
Filter Type	Fishbone structure

PP (Polypropylene) Filter Cartridge

PP (Polypropylene) Sedimentation Filter Cartridge is a depth filter made from melt-blown polypropylene fibers designed to trap suspended particles, rust, sand, dirt, and other sediments in water. It is commonly used as a pre-filter in multi-stage water purification systems (e.g., under-sink RO systems, whole-house filters) to protect downstream filters like carbon blocks or RO membranes.

Product Name	PP (polypropylene) filter Cartridge
Material	Food grade polypropylene
Model	5 "10" 20 "30 "40"
Filter Cartridge style	skeleton/no skeleton
Filter rating	1um / 5um/10µm/25µm/50µm 75µm/100 µm
Water Pressure	0.1-0.4Mpa



UDF Granular Activated Carbon Cartridge



UDF granular activated carbon Cartridge uses granular activated carbon as the core material, and its developed pore structure provides a huge specific surface area, which can efficiently adsorb chlorine gas, organic matter, odors, and chromaticity in water. At the same time, it intercepts small particles through the pores of the carbon layer, achieving deep purification of water quality.

Product Name	UDF Granular Activated Carbon Cartridges
Material	Activated Carbon
Model	10" 20 "
Shell material	ABS
Operating temperature	0-50°C
Water Pressure	0.1-0.4Mpa
Service life	6-9 months

CTO compressed activated carbon Cartridge

CTO compressed activated carbon Cartridge is made by compressing finely ground activated carbon into solid blocks with developed pores, which can effectively remove residual chlorine, organic matter, heavy metals (such as lead, mercury, cadmium), chemicals, discoloration, odors, and other harmful substances in water to improve water quality.

Product Name	CTO compressed activated carbon Cartridge
Material	Compressed Carbon
Model	10" 20 "
Shell material	PP
Operating temperature	0-45°C
Water Pressure	0.1-0.4Mpa
Service life	6-9 months



String Wound Filter Cartridge

String Wound Filter Cartridge is a type of deep filtration filter element. It is made of textile fiber yarn (polypropylene yarn, defatted cotton yarn, etc.). These yarns are precisely wrapped around a porous skeleton (PP or stainless steel) to form a honeycomb structure that is loose on the outside and dense on the inside. These filter cartridges are widely used for liquid filtration to remove suspended solids, sediments, and other impurities.



Product Name	String Wound Filter Cartridge
Material	PP fiber/Cotton/Glass fiber
Model	10", 20", 30", 40"
Shell material	Polypropylene filter cartridge $\leq 80^{\circ}\text{C}$ Degreasing cotton filter cartridge $\leq 120^{\circ}\text{C}$ Fiberglass filter cartridge 250°C
Water Pressure	0.1-0.4Mpa
Service life	6-9 months

PES Pleated Filter Cartridge

PES Pleated Filter Cartridge is a kind of microporous folding filter Cartridge, which is folded by ultra-fine polypropylene fiber film and non-woven fabric or wire mesh for the support layer. The shell, center rod and end cover of the filter element are processed and formed by hot melt welding technology, without any adhesive and no foreign matter released. It is suitable for the production needs of food, beverage, beer, chemical, pharmaceutical and other industries

Product Name	PES Pleated Filter Cartridge
Material	PES membrane
Model	10" 20 "30" 40 "
Filter rating	0.1-100 μm
Support/drainage layer	PP
Seal material	EPDM (acid and alkali resistance) Nitrile (oil resistance) fluororubber (acid and alkali resistance)



Quick Plug Filter Cartridge

Quick Plug Filter Cartridge An integrated housing consisting of a filter body and a filter rotating melt end cap equipped with a dedicated quick plug filter cartridge. It can be quickly connected to the filter device through a buckle, slot or insert rod for quick installation and removal.

The quick plug interface is designed with sealing rubber rings and other components to ensure a tight connection between the filter element and the equipment, preventing water leakage.

Product Name	Quick Plug Filter Cartridge
Material	Food grade PP
Model	10"
Filter Media	PP/GAC/CTO/RO/UF/T33
Water Pressure	0.1-0.4Mpa
Application	Household



Big Fat Pleated Filter Cartridge

Big Fat Pleated Filter Cartridge was designed to increase the filter surface area. Pleated design maximizes dirt capacity; Designed for general water filtration purposes; Polyester cellulose medium resistant to bacteria and chemicals; Versatile and reusable, allowing for a variety of uses; Small pressure drop, large flow

Product Name	Big Fat Pleated Filter Cartridge
Material	Polyester Cellulose
Model	10" 20" 30" 40"
Filter Media	PET polyester cloth
Function	Filter out large particles of liquid impurities, colloidal substances, rust, reduce the viscosity of liquid



High flow filter cartridge



High flow filter cartridge is designed as a single opening high flow folding filter. This design allows fluid to flow from the inside of the filter to the outside. Therefore, it helps us optimize the fluid path, reduce flow resistance, and thus improve filtration efficiency. In addition, the flow pattern from inside to outside ensures that we do not allow excessive pollutants to accumulate inside the filter element, thereby extending its service life.

Product Name	High flow filter cartridge
Material	PP
Model	20" 40" 60"
Seal material	EPDM(Normal), Silicone rubber, fluororubber, NBR(Normal)
Max pressure difference	1.5bar
Operating temperature	< 80°C

Hollow Fiber Uf Membrane Filter Cartridge



Hollow fiber uf membrane filter cartridge is a membrane separation technology that utilizes pressure as a driving force. Hollow fibers with ultrafiltration function can achieve a filtration accuracy of 0.01 microns, and can filter out harmful substances such as rust, sediment, bacteria, and large organic compounds in water, while retaining some beneficial mineral elements for the human body.

Product Name	Hollow Fiber Uf Membrane Filter Cartridge
Material	PAN/PVC/PVDF
Model	20" 40" 60"
Filtering mode	Outside-inside/in to out
Bacterial removing rate	99.99%
Use for	home water purification,commercial water filtration

Water Softener Resin



Water Softener resin, commonly known as ion exchange resin, is the key component in water softeners that removes hardness minerals (calcium and magnesium) from water.

001×7 is a high capacity premium grade bead form conventional gel polystyrene sulphonate cation exchange resin designed for use in industrial or household water conditioning equipment, Its acidity is similar to some inorganic acids,such as sulfuric acid [H₂SO₄] and hydrochloric acid[HCl].It can be used as ion exchanger in alkaline,neutral and acidic mediums.

Pressure Gauge

Pressure gauge is an instrument used to measure pressure, which can intuitively display the pressure value of gas or liquid. This pressure gauge has the characteristics of high precision and high stability, and can work stably in different temperature, humidity, and pressure ranges.

- Thread male, round dial
- Material : Metal, Plastic
- Pressure Range : 0 ~ 180 PSI, 0 ~ 12Kg/cm²
- Dial Plate outer Diameter: 5.3mm/2.1inch
- Features a easy to read dial, dual scale, red marking for Psi, black marking for Bar.



Pressure Controllers Typically



Pressure controllers typically use spring tubes, diaphragms, or corrugated tubes as pressure sensitive components. When the measured pressure acts on the sensitive component, it undergoes elastic deformation, which is converted into displacement through the transmission mechanism, and then drives the micro switch to act, achieving on/off control of the circuit, thereby controlling the operation or stop of related equipment in the water treatment system, and stabilizing the pressure within the set range.

Plastic Tube Float Flowmete

Plastic tube float flowmeter has a simple structure, light weight, corrosion resistance, is not easily broken, non-toxic and odorless. It is mainly used in environmental protection, chemical industry, food, medicine, etc., to measure the flow rate of single-phase non pulsating liquid flow. There are mainly transparent plastic cone tubes installed vertically with the small end facing downwards and the large end facing upwards, as well as floats that can move up and down inside the cone tubes.



Panel Flowmeter



Panel flowmeter, also known as area flowmeter, is an instrument used to measure various media such as pipelines and fluid flow. Panel flow meters are usually made of transparent materials such as organic glass, allowing users to intuitively observe the position of the float and read the flow value.

Due to high transparency and the intuitive display of the float, users can easily read flow values without complex calculations or conversions.

Manual Filter Control Valves

Control Valves (filter valves and softening valves) are core component during filtering and softening system. They are widely used in various fields to guarantee efficient and easier water treatment.

- Household Filter System (F56A/F56E/F56F).
- Activated carbon filter or sand filter system for RO pretreatment system.
- Swimming Pool Filter System (N56D/F77BS).
- N56D/F77BS can be used for Iron/Manganese Removal system if side mount adapter is installed upside down.



Automatic Filter Control Valves



- LED display, indication of long time power off and data saved after power off (Saved for three days).
- Can set rinsing frequency F-00, realizing one time service and several times of backwash and fast rinse.
- With remote control connector to receive passive signals.
- With interlock connector to realize service simultaneously and rinse one by one.
- Time clock type or meter type is optional.
- Residential Filter System (F71/F67).
- Activated carbon filter or sand filter system for RO pretreatment system

Dosing Metering Pump

Dosing Metering Pump with manual adjustment of the front panel control knob in two frequency ranges (0 to 20% or 0 to 100%) with power indicator. For high precision, consistent and reliable stoichiometry in water treatment applications, SEKO's Tekna series of wall-mounted electromagnetically driven metering pumps represent a versatility and performance benchmark. Tekna consists of five diaphragm pumps that typically deliver precise chlorine levels in swimming pool stoichiometry while delivering antibiotics to livestock drinking water.

- High Accuracy: Metering pumps can achieve precise fluid delivery.
- Adjustable Flow Rate: The flow rate can be adjusted according to requirements.
- Stable Pressure: They can maintain stable flow rates even at high or varying pressures.



Liquid Mixer



- Corrosion resistant mixing, 304 stainless steel and plastic lining materials can be selected
- High torque gearbox, Good mixing effect with high torque
- Copper wire motor, Good power, more durable and long-lasting
- Mixer tank cabinet volume: 30L~3000L
- Mixing motor: Select the appropriate motor power and speed according to the capacity of the mixing tank and the viscosity of the liquid.
- Mixing rod: The material is divided into carbon steel and stainless steel, and the blade size and single or double layer can be configured according to the height and model of the mixing tank.

PE Dosing Tank

One-time formed PE material, resistant to acid and alkali, corrosion and impact, with a long service life

The scale on the barrel body is clear, which is convenient to use and has high working efficiency

According to customer requirements, free holes can be drilled. The mixer can be equipped with a PVC pad, and the knife can be fitted with a metering pump

Common color: white, blue, black, light yellow. And you can order or decide it

Size: 40L/60L/80L/100L/200L/300L/500L/1000L/1500L/2000L



Brine Tank



- It is mainly made of polypropylene, which is light, tough, shock-resistant and impact-resistant
- It has excellent drug resistance and is resistant to various acids and alkalis
- The barrel body is formed in one piece, without welding or seams, and is heat-resistant and cold-resistant

Application : Brine tanks are mainly used in soft water systems, industrial and residential soft water systems for resin regeneration;

Shape: Square, Round

Size: 60L/100L/150L/200L/300L/500L/800L/1000L/1500L/2000L

Water Distributor

water distributor is an essential component in softening and water treatment systems. It plays a crucial role in water treatment equipment.

water distributor refers to a fiberglass storage tank that discharges water according to certain rules within a certain working area. The most common type of manual head lateral water distributor is to evenly distribute water onto the pressure vessel. The water distributor has completed this task and is a very important part of the pressure vessel.



Water Purifier Connector



- Card free quick connect design, Plug and play
- Suitable for 4-45°C blasting pressure $\geq 32\text{KG}$
- Quick Connect Fitting for Water Purifiers Clamp-Free Locking Design with Universal Brand Compatibility
- Quick fittings and connectors are strictly made from food grade pp material.
- Clamp-Free Push-to-Connect Design New Generation Leak-Proof Locking Mechanism with Tool-Free Installation