



Vontron membranes

Water softener equipments

VONTRON is a leading manufacturer of commercial reverse osmosis (RO) membranes, known for their exceptional quality, reliability, and performance. VONTRON RO membranes are designed to provide high-quality purified water for a range of industrial and commercial applications, including beverage production, pharmaceuticals, electronics, and power generation.

Residential, commercial membranes

VONTRON commercial RO membranes are engineered to deliver exceptional rejection rates for a wide range of contaminants, including minerals, salts, and organic compounds. They are highly durable and resistant to fouling, ensuring long-lasting performance and minimal maintenance costs.

Extremely Low Pressure membranes (XLP series)

Extremely low pressure membranes are a relatively new technology in the field of water treatment, and they offer several benefits over traditional membranes. One of the most significant advantages of XLP series is their ability to operate at much lower pressures than other membrane systems, resulting in significant energy savings. This makes them an attractive option for businesses and industries that require large quantities of purified water.

Ultra Low Pressure membranes (ULP series)

Ultra-low pressure membranes are a specialized type of membrane filtration technology that operates at even lower pressures than traditional membranes. This technology offers several benefits over conventional systems, including increased energy efficiency and reduced operating costs.

Brackish water membranes (LP series)

Brackish water membranes designed specifically for the treatment of high salinity water sources. These membranes offer several benefits and are used in a variety of applications, including high rejection rates, wide operating range, and long lifespan, making them an excellent choice for a variety of industrial and municipal applications where high-quality water is required.

Seawater membranes (SW series)

Seawater desalination membranes are specifically designed to remove salt and other dissolved solids from seawater, making it safe and potable for human consumption. Seawater desalination membranes are commonly used in municipal and industrial water treatment plants, as well as in smaller-scale applications such as desalination units for boats and ships, remote communities, and emergency relief efforts. In summary, seawater desalination membranes offer high salt rejection rates, high efficiency, and durability, making them an excellent choice for a wide range of applications where the production of high-quality potable water is essential.

Fouling resistant membranes (FR series)

Fouling-resistant membranes are a specialized type of membrane that are designed to resist fouling, which is the accumulation of unwanted material on the surface of the membrane that can lead to reduced performance and efficiency. Fouling-resistant membranes are commonly used in a variety of applications, including wastewater treatment, desalination, and food and beverage processing. They are also used in industrial applications such as oil and gas production, where fouling can lead to reduced efficiency and increased maintenance costs. In summary, fouling-resistant membranes offer improved performance and efficiency, reduced maintenance and downtime, and long lifespan, making them an excellent choice for a wide range of applications where fouling is a concern.

Nanofiltration membranes (VNF series)

Nanofiltration membranes are commonly used in a variety of applications, including drinking water treatment, wastewater treatment, and food and beverage processing. They are also used in industrial applications such as pharmaceutical production, where selective removal of contaminants is critical. In summary, nanofiltration membranes offer selective removal of contaminants, removal of dissolved salts and organic compounds, and energy efficiency, making them an excellent choice for a wide range of water treatment applications.

Residential, commercial membranes

Part number	Product	Size	Avg. rejection	Power / Pressure
ULP1812-50	Vontron 50GPD dry osmosis membrane	1,8"x12"	97.5%	50 GPD / 60 PSI 189L/day / 4.1 bar
ULP1812-75	Vontron 75GPD dry osmosis membrane	1,8"x12"	97.5%	75 GPD / 60 PSI 283L/day / 4.1 bar
ULP2012-100	Vontron 100GPD dry osmosis membrane	2"x12"	94%	100 GPD / 60 PSI 378L/day / 4.1 bar
ULP2012-150	Vontron 150GPD dry osmosis membrane	2"x12"	94%	150 GPD / 60 PSI 567L/day / 4.1 bar
ULP3012-400	Vontron 400GPD dry osmosis membrane	3"x12"	95%	400 GPD / 100 PSI 1512L/day / 6.9 bar
VNF2-1812	Vontron 50GPD dry nano membrane	1,8"x12"	30% - NaCl 85% - CaCl ₂	100 GPD / 60 PSI 378L/day / 4.1 bar
VNF2-2012	Vontron 85GPD dry nano membrane	2"x12"	30% - NaCl 85% - CaCl ₂	120 GPD / 60 PSI 453L/day / 4.1 bar

Extremely Low Pressure membranes (XLP series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
XL11-4040	Vontron XLP RO membrane	4"x40"	2600 GPD 9.8 m ³ /h	99.2%	41.4 bar 6.9 bar	9.3 m ²
XL12-8040	Vontron XLP RO membrane	8"x40"	12800 GPD 48.4 m ³ /h	99.2%	41.4 bar 6.9 bar	37.2 m ²

Ultra Low Pressure membranes (ULP series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
ULP21-2521	Vontron ULP RO membrane	2.5"x21"	300 GPD 1.13 m ³ /h	99.0%	41.4 bar 10.3 bar	1.3 m ²
ULP21-2540	Vontron ULP RO membrane	2.5"x40"	750 GPD 2.8 m ³ /h	99.0%	41.4 bar 10.3 bar	2.8 m ²
ULP21-4021	Vontron ULP RO membrane	4"x21"	950 GPD 3.6 m ³ /h	99.0%	41.4 bar 10.3 bar	3.3 m ²
ULP21-4040	Vontron ULP RO membrane	4"x40"	2600 GPD 9.8 m ³ /h	99.5%	41.4 bar 10.3 bar	9.3 m ²
ULP22-8040	Vontron ULP RO membrane	8"x40"	12100 GPD 45.8 m ³ /h	99.0%	41.4 bar 10.3 bar	37.2 m ²
ULP32-8040	Vontron ULP RO membrane	8"x40"	10500 GPD 39.7 m ³ /h	99.5%	41.4 bar 10.3 bar	37.2 m ²

Brackish Water membranes (LP series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
LP21-4040	Vontron LP RO membrane	4"x40"	2800 GPD 10.6 m ³ /h	99.6%	41.4 bar 15.5 bar	9.3 m ²
LP22-8040	Vontron LP RO membrane	8"x40"	10500 GPD 39.7 m ³ /h	99.7%	41.4 bar 15.5 bar	37.2 m ²

Seawater Desalination membranes (SW series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
SW21-4040	Vontron SW RO membrane	4"x40"	1400 GPD 5.3 m ³ /h	99.5%	69 bar 55 bar	7.4 m ²
SW22-8040	Vontron SW RO membrane	8"x40"	6000 GPD 22.7 m ³ /h	99.7%	69 bar 55 bar	37.2 m ²

Fouling Resistant membranes (FR series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
FR11-4040	Vontron FR RO membrane	4"x40"	2200 GPD 8.3 m ³ /h	99.5%	41.4 bar 15.5 bar	8.4 m ²
FRP12-8040	Vontron FR RO membrane	8"x40"	10500 GPD 39.7 m ³ /h	99.5%	41.4 bar 15.5 bar	37.2 m ²

Nanofiltration membranes (VNF series)

Part number	Product	Size	Permeate flow	Stable rejection	Max. pressure Operating press.	Membrane active area
VNF1-4040	Vontron nano membrane	4"x40"	2000 GPD 7.5 m ³ /h	98%	41.4 bar 6.9 bar	8.4 m ²
VNF2-4040	Vontron nano membrane	4"x40"	2400 GPD 9.1 m ³ /h	97%	41.4 bar 6.9 bar	8.4 m ²
VNF1-8040	Vontron nano membrane	8"x40"	10000 GPD 37.9 m ³ /h	98%	41.4 bar 6.9 bar	37.2 m ²
VNF2-8040	Vontron nano membrane	8"x40"	10500 GPD 39.7 m ³ /h	97%	41.4 bar 6.9 bar	37.2 m ²