Meetec®

Real Taste of Water

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COMPANY PROFILE

MEETEC was founded In 2007 located at world famous diamond & textile city Surat Gujarat province. At present we are one of the leading companies who are specialized importing, manufacturing and exporting Reverse Osmosis (RO) systems and components. We provide Residential, Commercial and Industrial water treatment as well as relevant spare parts. we won the honor of Gujarat Province exports famous brand consumer trust company. What we have achieved is a testament to our singular focus on reputation establishment by innovative, high quality products all backed with expert support. We provide rain to drain water treatment solution.

MEETEC is the unique company is this country that provides the widest brand ranges with the best available technology through the direct overseas manufacturing partners. We are capable for consistent and continuous improvement to develop full range of products. As the direct importer and with global partners, We have the advantage to offer extremely competitive prices. We adopt the most advanced technology through the innovative idea, consistent pursuit production quality to develop a produce the RO membrane, RO pump, pump head, PP filters, membrane housing and filter cartridge and elements.

We are one of the leading manufacturer of NF, R0, SW membrane elements. Our factory located at Keshod, Dist. Junagadh Gujarat. MEETEC have Automatic (made in Korea) residential & industrial membrane element rolling machine line. We have nominated special R & D engineer. Our factory location is near by seaside where weather is suitable for membrane element production and our factory is dust proof and non polluted place which have 24 hr electricity along with workers dormitory.

International Organization for Standardization ISO 9001

Water Quality Association MEMBER

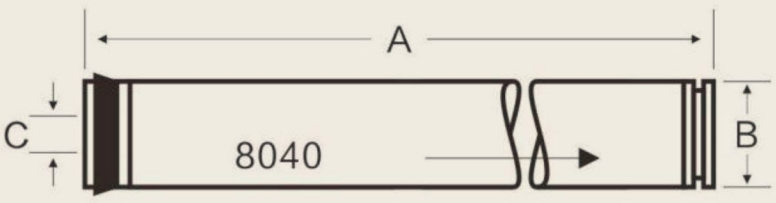
Industrial Membrane Elements

Puroxy masters core technologies of reverse osmosis membrane, and is equipped with Automatic membrane roiling systems. With outstanding capacity in process control and Strong r&d strength, we guarantee the excellent performance of basic membrane elements.

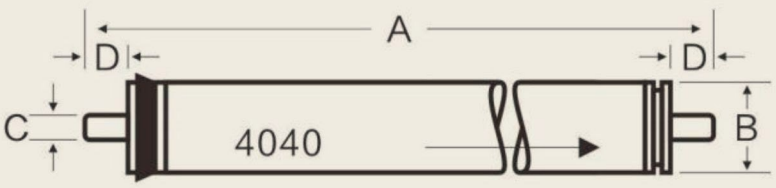
Puroxy industrial membranes are developed by our R&D department. They are widely applied in treatment for municipal water, highly polluted surface water, water reuse and other areas. It has superior over all performance, such as high salt removal rate, high flow rate, stable technical performance. It is also not easy to be blocked in long term-use.

Membrane Elements Parameter sheet

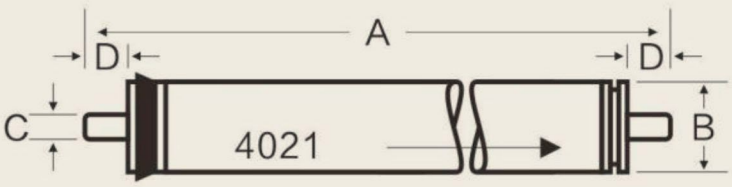
Type	Model	Stabilized Salt Rejection (%)	Average Permeate Flow(GPD)	Working Pressures & Application Fields	Testing Condition		
					Pressure Psi (Mpa)	Solution Concentr. NaCl (ppm)	Recovery RATE (%)
Industrial Brackish Water RO Membrane Series	BW-8040	99	10000	Working Under Ultra Low Pressure. Applicable to feedwater with family low salinity	150(1.03)	1500	15
	BW-4040	99	2500				
	BW-4021	99	1000				
Industrial Low Pressure Ro Membrane Series	LP-8040	98	10000	Working Under Ultra Low Pressure. Applicable to feedwater with family low salinity	150(0.76)	1500	15
	LP-4040	98	2500				
	LP-4021	98	1000				
Nano Filtration Membrane Series	NF-8040	40-60	8000	Working Under Ultra Lowpressure. Applicable to direct drinking and separation and purification equipment after treatment	100(0.69)	2000	15
	NF-4040	40-60	2000				
	NF-4021	40-60	800				



A=1016.0mm(40") B=201.9mm(7.95") C=28.6mm(1.125")



A=1016.0mm(40") B=99.7mm(3.9") C=19.1mm(0.75") D=26.7mm(1.05")



A=533.4mm(21") B=99.7mm(3.9") C=19.1mm(0.75") D=26.7mm(1.05")

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BRACKISH WATER (BW) RO ELEMENT

Industrial Brackish Water RO Membrane Series

Meetec Industrial Brackish Water Ro Membrane Series (BW) can achieve high water production rate and high desalination rate in a relatively low operating pressure with low energy consumption. its operating pressure can be as low as imp a (150psi), which makes it suitable for desalinating water with salt content less than 5000ppm. it is widely applied in food processing, drinking water, electricity water supply, electronics and biotechnology industry, pharmaceuticals and other fields.

Specification And Main Performance Of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area $ft^2(M^2)$
BW-8040	99	98	10000	37
BW-4040	99	98	2500	7.5
BW-4021	99	98	1000	3.3

Testing Conditions:

Testing Pressure	150psi (1.03MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	1500ppm
pH value of Testing Solution	7.5
Recovery Rate	15%

Operation Limits and Conditions:

Max. Working Pressure	600psi (4.1MPa)
Max. Feedwater Flow	75gpm (8040) 16gpm (4040/4021)
Max. Feedwater Temperature	45C
Max. Feedwater SDI	5
Max.Pressure Decline	15psi(0.1MPa)
Residual Chlorine	<0.1ppm
pH Range of Feedwater	3.0-10.0

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LAW PRESSURE (LP) RO ELEMENT

Industrial Low Pressure Ro Membrane Series

Meetec Ultra-low Pressure Series (lp) Has Excellent Performance In Water Production Rate And Desalination Rate. It Performs As Well As Bw Series Even Though Under Ultra Low Pressure. Its Operating Pressure Is 0.76mpa (110psi) Only. So It Is Good Choice For Dealing Water With Salt Content Less Than 1000ppm. It Is Widely Used In Irrigation Of City Landscape And Agriculture, Drinking Water, Municipal Water Supply, Commercial Pure Water Treatment, Hospital, Laboratory, Home Use Etc.

SPECIFICATION AND MAIN PERFORMANCE OF MEMBRANE ELEMENTS

MODEL	AVERAGE REJECTION	MINIMUM REJECTION	AVERAGE PERMEATED FLOW(GPD)	ACTIVE MEMBRANE AREA $FT^2(M^2)$
LP-8040	98	97	10000	37
LP-4040	98	97	2500	7.5
LP-4021	98	97	1000	3.3

Testing Conditions:

Testing Pressure	110psi (0.76MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	1000PPM
pH value of Testing Solution	7.5
Recovery Rate	15%

Operation Limits and Conditions:

Max. Working Pressure	600psi(4.1Mpa)
Max. Working Feedwater flow	75gpm(8040) 16gpm(4040/4021)
Max. Feedwater Temperature	45c
Max. Pressure Decline	15psi(0.1MPa)
Residual Chlorine	<0.1ppm
pH Range of Feedwater	3.0-10.0

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SEA WATER (SW) RO ELEMENT

Sea Water Desalination Membrane Series

Meetec sea water desalination membrane is good in desalinating sea water and brackish water. it can effectively remove salt in water, with stable performance and low maintenance cost. It is used in sea water desalination, brackish water desalination and other industries

Specification And Main Performance Of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area $ft^2(M^2)$
SW-8040	99.7	99.5	5000	37
SW-4040	99.7	99.5	1400	7.5
SW-4021	99.7	99.5	500	3.3

Testing Conditions:

Testing Pressure	800psi (5.5MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution (nacl)	32800PPM
pH value of Testing Solution	7.5
Recovery Rate	8%

Operation Limits and Conditions:

Max. Working Pressure	1000psi(6.9Mpa)
Max. Working Feedwater flow	75gpm(8040), 16gpm(4040/4021)
Max. Feedwater Temperature	45c
Max. Pressure SDI	5
Max. Pressure Drop	15psi(0.1Mpa)
Residual Chlorine Decline	<0.1ppm
pH Range of Feedwater	3.0-10.

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NANO FILTRATION NF ELEMENT

Nano Filtration Membrane Series

Nano Filtration Membrane Is A Special And Functional Semi-permeable Membrane Which Selectively Allows Certain Lmw And Low-valention To Pass Through .its Desalination Rate Is Between 40-98%.it Can Block The Organic In The Range Of 150-500 Lmw, And It Performs Better In Desalinating Single Valence Anions Solution. Now Days, Nano Membranes Have Been Widely Used In Many Fields, Including Drinking Water, Food Processing, Pharmaceuticals And Biology Industry.

SPECIFICATION AND MAIN PERFORMANCE OF MEMBRANE ELEMENTS

Model	Solution	Stable Rejection	Average Permeated Flow(GPD)	Active Membrane Area $ft^2(M^2)$
NF-8040	NaCl	40~60	10000	37
	$MgSO_4$	>96		
NF-4040	NaCl	40~60	2500	7.5
	$MgSO_4$	>96		
NF-4021	NaCl	40~60	1000	3.3
	$MgSO_4$	>96		

Testing Conditions:

Testing Pressure	110psi (0.76MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution (nacl)	2000PPM
Concentration of Testing Solution(Mgso4)	2000PPM
pH value of Testing Solution	7.5
Recovery Rate	15%

Operation Limits and Conditions:

Max. Working Pressure	600psi(4.1Mpa)
	75gpm(8040)
Max. Working Feedwater flow	16gpm(4040/4021)
Max. Feedwater Temperature	45c
Max. Pressure Decline	15psi(0.1MPa)
Residual Chlorine	<0.1ppm
pH Range of Feedwater	3.0-10.0

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RESIDENTIAL MEMBRANE ELEMENTS

RESIDENTIAL REVERSE OSMOSIS MEMBRANE SERIES

Meetec Residential Reverse Osmosis Membrane Series Can Effectively Remove All Kinds Of Impurities And Pollutants In Water, Such As Organics, Microorganism, Heavy Metal Ions, Etc. It Is Widely Applied In Residential Water Filters, Commercial Water Filters, compact Water Vending Machines, Etc. It Is Large In Output Water Flow, High In Salt Rejection, Stable In Performance. What More, With Strong Research And Development Ability, Meetec Is Able To Customize All Kinds Of Reverse Osmosis Membranes For Varies Purposes.

Specification and Main Performance of Membrane Elements

Model	Average Rejection	Minimum Rejection	Average Permeated Flow(GPD)	Active Membrane Area $ft^2(M^2)$
RO-1812-75	97	95	75	0.36
RO-1812-80	97	95	80	0.38
RO-2012-100	97	95	100	0.54
RO-3012-300	97	95	300	1.65

Testing Conditions:

Testing Pressure	70psi (0.48MPa)
*TW3012-400/TW3013-400	*90psi (0.6MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution	250ppm
pH Value of Testing Solution	7.5
Recovery Rate	15%

Operation Limits and Conditions:

Max. Working Pressure	300psi (2.07MPa)
Max. Working Feed water flow	2gpm
Max. Feed water Temperature	45c
Max. Pressure SDI	5
Max. Pressure Drop	15psi (0.1Mpa)
Residual Chlorine Decline	<0.1ppm
pH Range of Feed water	3.0-10.0

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Meetec Membrane

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