



MATRIX™

Welcome to the premium industrial source for water treatment components. We help treat your water in a better way. The variety of top class featured companies have listed their products through the platform created by Pure & Cure Technology (PNC). In our constant endeavor to make complex solutions look simple, PNC has selected the best products across the world to serve our valued customers. Be it Pumps, Membranes, Membrane Housings, Chemicals, Dosing Pumps, Ion Exchange Resins, MPV's, variable frequency drives, Hydro-pneumatic Tanks/systems, PVC/PVDF pipes and fittings, Valves, Digital Instrumentations. We have pool of satisfied customers due to our excellent sales and service network throughout India. We provide complete well supported after sales service training courses, seminars and technical symposiums to all for water/waste water treatment.



PNC™
Pure & Cure Technology

An ISO 9001:2008 Company

Important Features:

- Available in **FRP** dia meter 2.5", 4" and 8".
- FRP Housing manufactured as per ASME Sec X
- Available in end port and side port and multiport configurations
- Available in pressure ratings of 300 to 1200 psi and can accommodate any standard make of up to 8 inch diameter membrane
- Matrix FRP RO Housings have mirror finish inside for quick and easy loading and unloading of membranes and the outsides are coated with high gloss paints for UV protection.
- **Operating Temp Range: -10 C ---49 C.**
- **Feed / Concentrate port 3/4" coupling, Permeate port 1/2" thread.**
- **Standard : 1.5x Design Pressure.**
- **Operating pH Range : 3 – 11**
- **Cleaning pH Range : 2 – 12 (less than 30 minutes)**

Features					Benefits				
• Glossy ID finish • Precise bore diameter • Easy head locking system • Multiside porting option • Head locking groove integrally wound • Weeping at 4 times the design pressure					• Prevents growth of organic matter and case in loading and un-loading of membrane. • Better membrane sealing and case in loading & un-loading. • Quick access to membranes & eliminates use of tools. • Reduces investment or manifolds. • Better strength • Fail safe shell, prevents catastrophic failure				

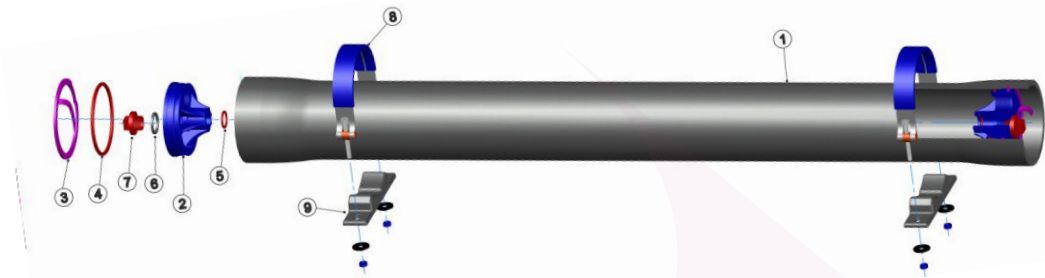
8 inches

		300 PSI			450 PSI			600 PSI			1000 PSI			1200 PSI		
Dia	Length	Ports		Element	Ports		Element	Ports		Element	Ports		Element	Ports		Element
8"	8040	Side	End	1	Side	End	1	Side	End	1	Side	End	1	Side	End	1
8"	8040	Side	End	2	Side	End	2	Side	End	2	Side	End	2	Side	End	2
8"	8040	Side	End	3	Side	End	3	Side	End	3	Side	End	3	Side	End	3
8"	8040	Side	End	4	Side	End	4	Side	End	4	Side	End	4	Side	End	4
8"	8040	Side	End	5	Side	End	5	Side	End	5	Side	End	5	Side	End	5
8"	8040	Side	End	6	Side	End	6	Side	End	6	Side	End	6	Side	End	6
8"	8040	Side	End	7	Side	End	7	Side	End	7	Side	End	7	Side	End	7

4 inches

		300 PSI			450 PSI			600 PSI			1000 PSI		
Dia	Length	Ports		Element	Ports		Element	Ports		Element	Ports		Element
4"	4040	Side	End	1	Side	End	1	Side	End	1	Side	End	1
4"	4040	Side	End	2	Side	End	2	Side	End	2	Side	End	2
4"	4040	Side	End	3	Side	End	3	Side	End	3	Side	End	3
4"	4040	Side	End	4	Side	End	4	Side	End	4	Side	End	4

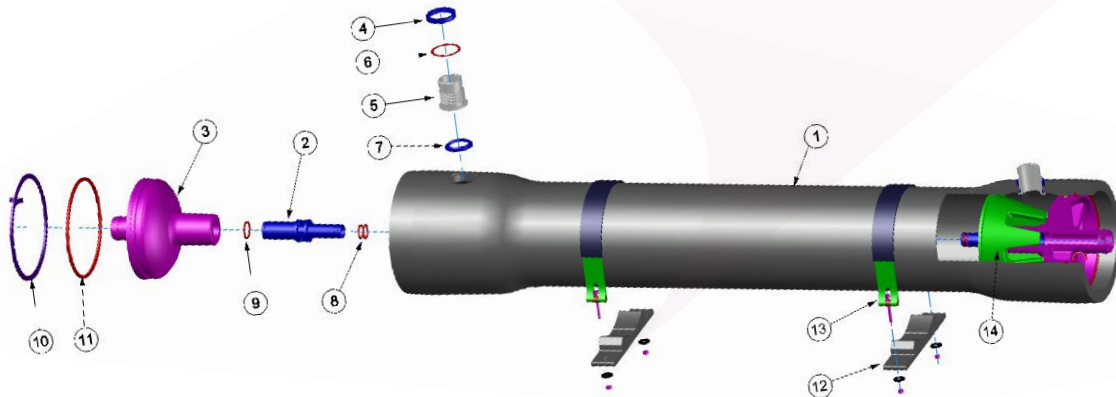
4" inch



SR. No.	PART NAME	QTY.
1	MEMBRANE HOUSING	1
2	END CAP	2
3	RETAINING RING	2
4	END CAP O RING	2

5	ADAPTER - MEMBRANE O RING	2
6	STRAP ASSEMBLY	2
7	SADDLE	2
8	RED CAP	1
9	SQUARE SEAL	1

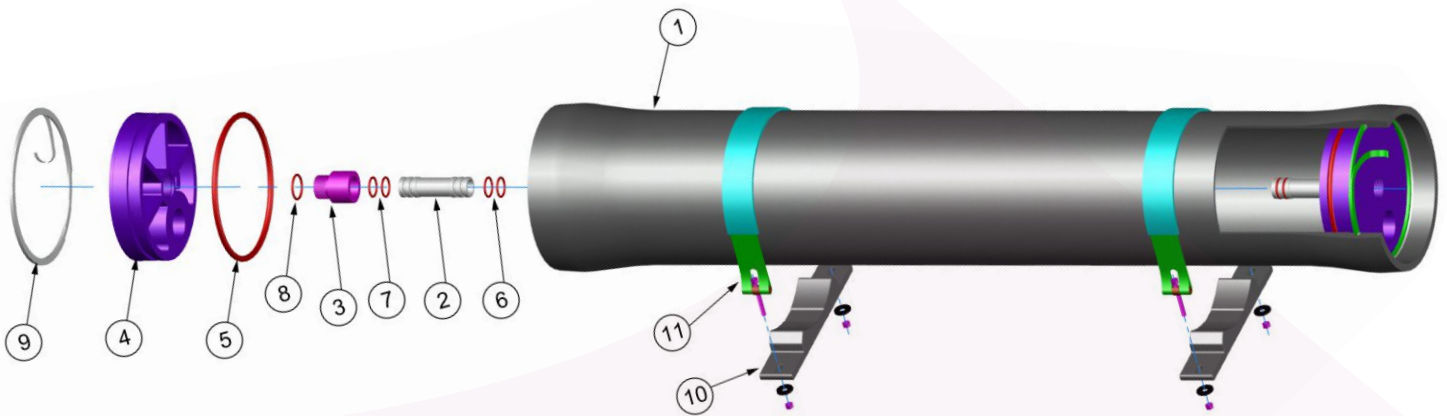
8" inch



SR. No.	PART NAME	QTY.
1	MEMBRANE HOUSING	1
2	ADAPTER	2
3	PERMEATE PORT	2
4	HEAD ASSEMBLY	2
5	HEAD ASSEMBLY O RING	2
6	ADAPTER - MEMBRANE O RING	2

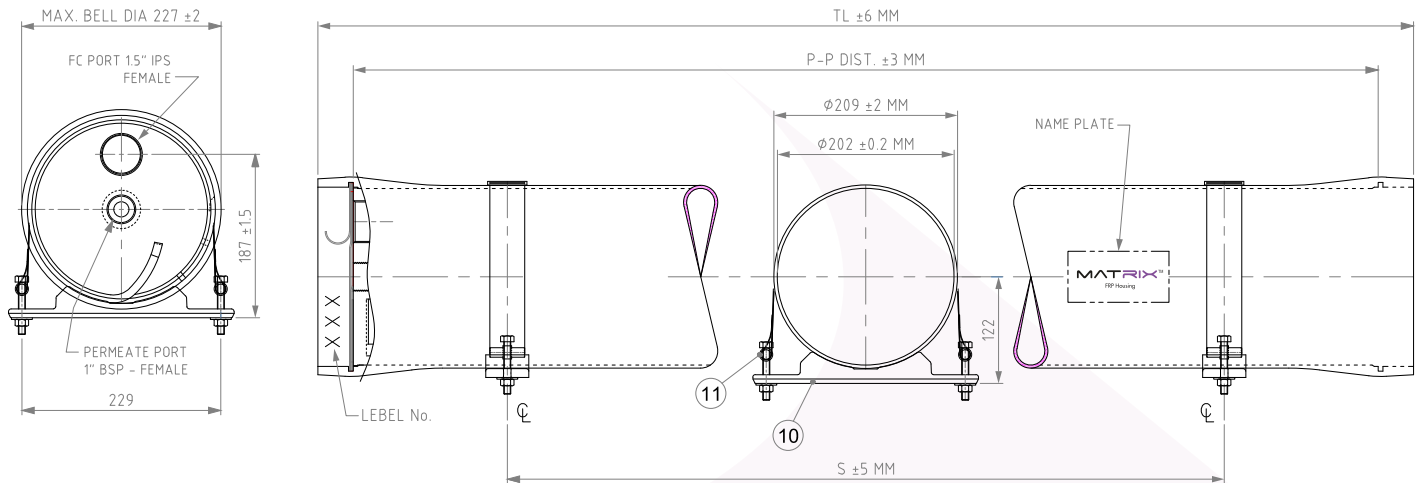
SR. No.	PART NAME	QTY.
7	ADAPTER - PERMEATE O RING	2
8	PERMEATE O RING	2
9	RETAINING RING	2
10	SADDLE	2
11	STRAP ASSEMBLY	2

8" inch

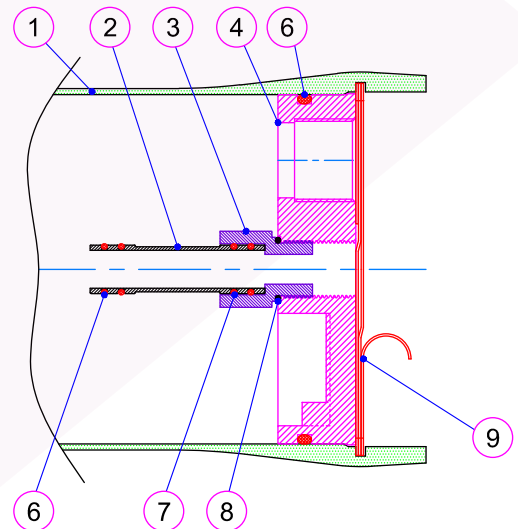


SR. No.	PART NAME	QTY.
1	MEMBRANE HOUSING	1
2	ADAPTER	2
3	PERMEATE PORT	2
4	HEAD ASSEMBLY	2
5	HEAD ASSEMBLY O RING	2
6	ADAPTER MEMBRANE O RING	4
7	ADAPTER PERMEATE O RING	4
8	PERMEATE SEALING O RING	2
9	RETAINING RING	2
10	SADDLE	2
11	STRAP ASSEMBLY	2

8" inch end port



MODEL NO.	TL	P-P DIST.	S
8E300EC-1	1253	1172	425 x 1
8E300EC-2	2269	2188	1360 x 1
8E300EC-3	3285	3204	1980 x 1
8E300EC-4	4301	4220	2700 x 1
8E300EC-5	5317	5236	1900 x 2

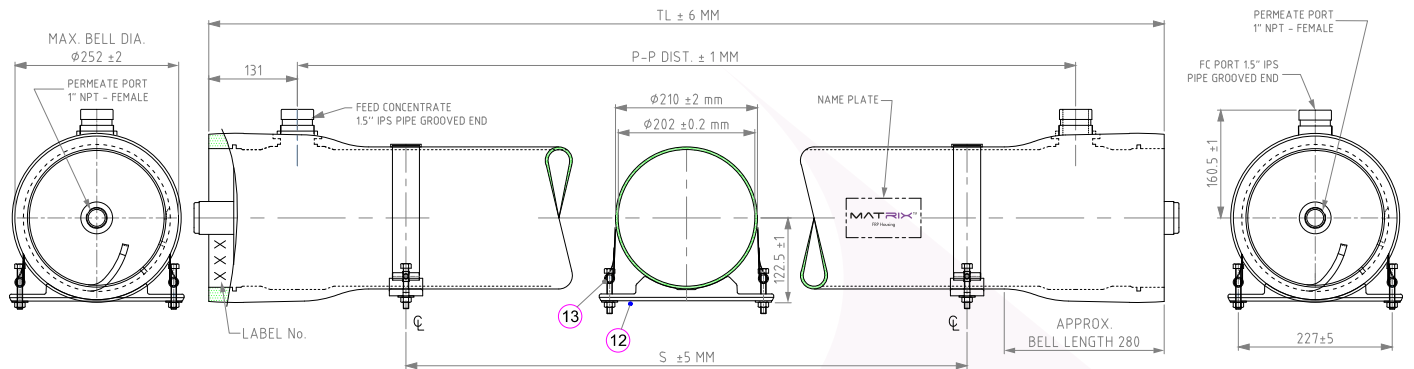


SECTION THROUGH END CLOSURE

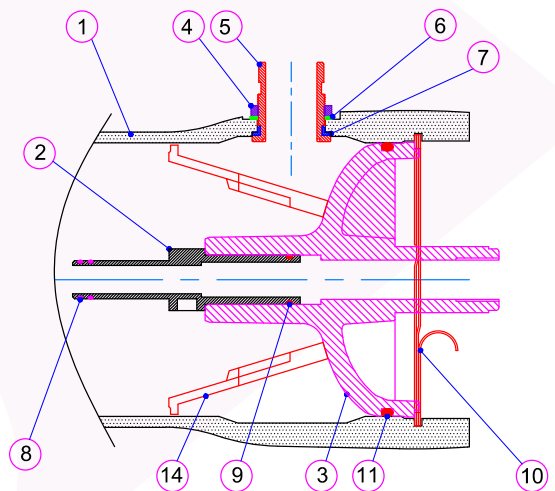
SR. No.	PART NAME	QTY.	MATERIAL
1	MEMBRANE HOUSING	1	Filament Wound Epoxy/Glass composites
2	ADAPTER	2	Engineering Thermoplastic
3	PERMEATE PORT	2	Engineering Thermoplastic
4	HEAD ASSEMBLY	2	Engineering Thermoplastic
5	HEAD ASSEMBLY O RING	2	Synthetic Nitrile / Ethylene Propylene
6	ADAPTER MEMBRANE O RING	4	Synthetic Nitrile / Ethylene Propylene
7	ADAPTER PERMEATE O RING	4	Synthetic Nitrile / Ethylene Propylene
8	PERMEATE SEALING O RING	2	Synthetic Nitrile / Ethylene Propylene
9	RETAINING RING	2	S.S. 304
10	SADDLE	2	Engineering Thermoplastic
11	STRAP ASSEMBLY	2	S.S. 304 PVC Cushion

Design operating pressure 300 PSI (20.68 Bar)
 Hydro - Test pressure 330 PSI (22.75 Bar)
 Max. operating Temp. 49°C (120.2°F)
 Min. operating Temp. -7°C (19.40°F)

8" inch Side port 300 & 450 PSI



MODEL NO.	TL	P-P DIST.	S
8S300EC-1	1470	1208	600 x 1
8S300EC-2	2486	2224	1540 x 1
8S300EC-3	3502	3240	2156 x 1
8S300EC-4	4518	4256	2850 x 1
8S300EC-5	5534	5272	2070 x 2
8S300EC-6	6550	6288	2470 x 2
8S300EC-7	7566	7304	2770 x 2

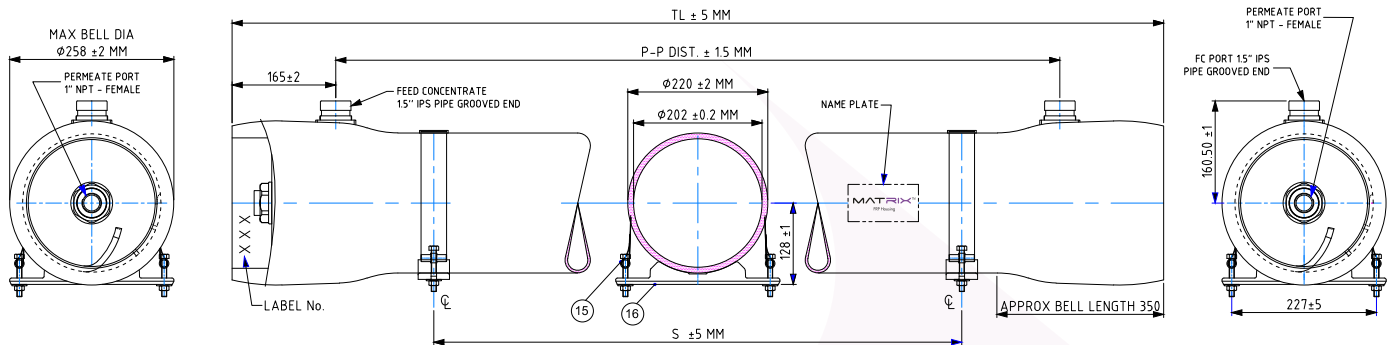


SECTION THROUGH END CLOSURE

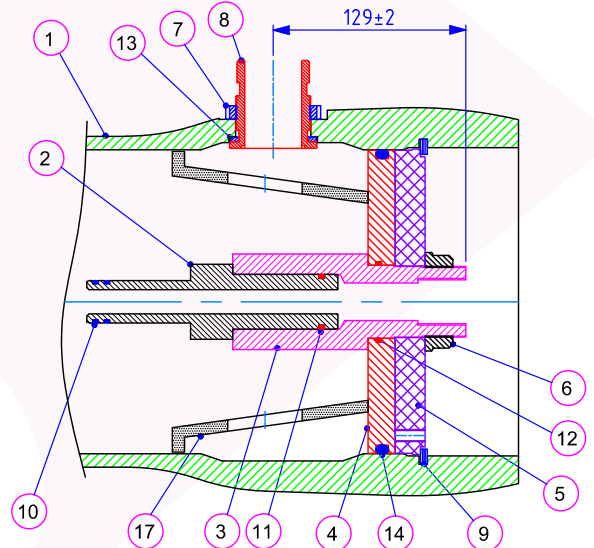
SR. No.	PART NAME	QTY.	MATERIAL
1	MEMBRANE HOUSING	1	Filament Wound Epoxy/Glass composite
2	ADAPTER	2	Engineering Thermoplastic
3	HEAD ASSEMBLY	2	Engineering Thermoplastic
4	FC PORT CHUCK NUT	2	S.S. 304
5	1.5" FC PORT	2	CF3M as per SA-351
6	CHUCK NUT WASHER	2	S.S. 304
7	FC PORT SEAL	2	Ethylene Propylene / Synthetic Nitrile
8	ADAPTER MEMBRANE O RING	4	Ethylene Propylene / Synthetic Nitrile
9	ADAPTER PERMEATE O RING	2	Ethylene Propylene / Synthetic Nitrile
10	RETAINING RING	2	S.S. 316 as per SA-479
11	HEAD ASSEMBLY O RING	2	Ethylene Propylene / Synthetic Nitrile
12	SADDLE	2	Engineering Thermoplastic
13	STRAP ASSEMBLY	2	S.S. 304 PVC Cushion
14	SPACER	1	Engineering Thermoplastic

Design operating pressure 300 PSI (20.68 Bar)
 Hydro - Test pressure 330 PSI / 450 PSI
 (22.75 Bar / 31.03 Bar)
 Max. operating Temp. 49°C (120.2°F)
 Min. operating Temp. -7°C (19.40°F)

8" inch Side port 600 PSI



MODEL NO.	TL	P-P DIST.	S
8S600-1	1476	1150	550 X 1
8S600-2	2492	2166	1466 X 1
8S600-3	3508	3182	2082 X 1
8S600-4	4524	4198	2798 X 1
8S600-5	5540	5214	2000 X 2
8S600-6	6556	6230	2400 X 2
8S600-7	7572	7246	2700 X 2

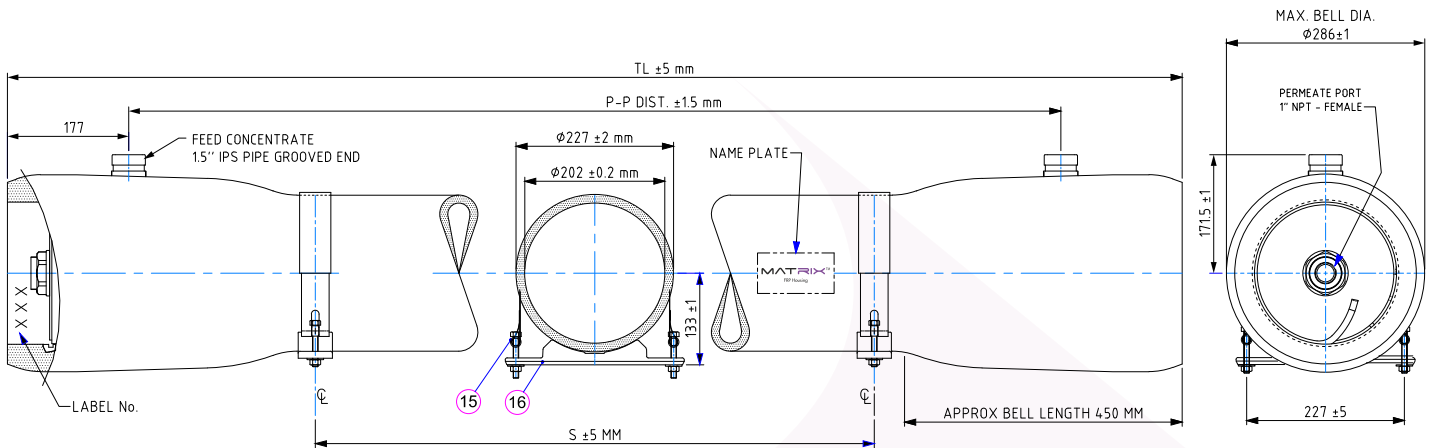


SECTION THROUGH END CLOSURE

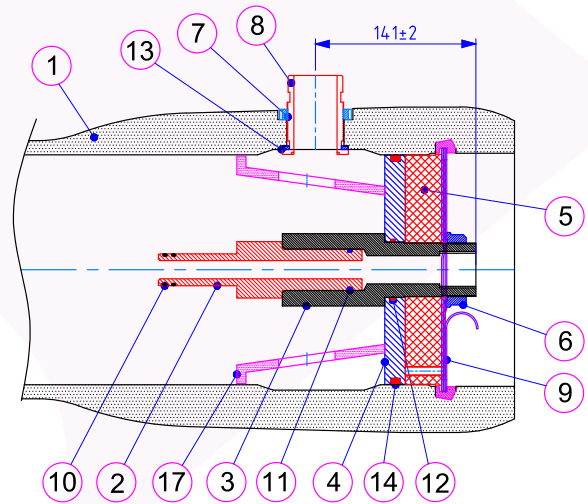
SR. No.	PART NAME	QTY.	MATERIAL
1	MEMBRANE HOUSING	1	Filament Wound Epoxy/Glass composites
2	ADAPTER	2	Engineering Thermoplastic
3	PERMEATE PORT	2	Engineering Thermoplastic
4	SEALING PLATE	2	Engineering Thermoplastic
5	BEARING PLATE	2	6061-T6 as per SB-221
6	PORT NUT	2	Engineering Thermoplastic
7	FC PORT LOCK NUT	2	S.S. 304
8	FC PORT	2	CF3M as per SA-351
9	RETAINING RING	2	S.S. 316 as per SA-479
10	ADAPTER MEMBRANE O RING	4	Ethylene Propylene / Synthetic Nitrile
11	ADAPTER PERMEATE O RING	2	Ethylene Propylene / Synthetic Nitrile
12	PERMEATE SEALING O RING	2	Ethylene Propylene / Synthetic Nitrile
13	FC PORT SEAL	2	Ethylene Propylene / Synthetic Nitrile
14	HEAD ASSEMBLY O RING	2	Ethylene Propylene / Synthetic Nitrile
15	STRAP ASSEMBLY	2	S.S. 304 - PVC Cushion
16	SADDLE	2	Engineering Thermoplastic
17	SPACER / THRUST CONE	1	Engineering Thermoplastic

Design operating pressure 600 PSI (41.36 Bar)
 Hydro - Test pressure 660 PSI / 900 PSI
 (45.51 Bar / 62.04 Bar)
 Max. operating Temp. 49°C (120.2°F)
 Min. operating Temp. -7°C (19.40°F)

8" inch Side port 1000 / 1200 PSI



MODEL NO.	TL	P-P DIST.	S
8S1200-1	1500	1150	525 X 1
8S1200-2	2516	2166	1466 X 1
8S1200-3	3532	3182	2082 X 1
8S1200-4	4548	4198	2798 X 1
8S1200-5	5564	5214	2000 X 2
8S1200-6	6580	6230	2400 X 2
8S1200-7	7596	7246	2700 X 2



SECTION THROUGH END CLOSURE

SR. No.	PART NAME	QTY.	MATERIAL
1	MEMBRANE HOUSING	1	Filament Wound Epoxy/Glass composites
2	ADAPTER	2	Engineering Thermoplastic
3	PERMEATE PORT	2	Engineering Thermoplastic
4	SEALING PLATE	2	Engineering Thermoplastic
5	BEARING PLATE	2	6061-T6 as per SB-221
6	PORT NUT	2	Engineering Thermoplastic
7	FC PORT LOCK	2	S.S. 304
8	FC PORT	2	CF3M as per SA-351
9	RETAINING RING	2	S.S. 316 as per SA-479
10	ADAPTER MEMBRANE O RING	4	Ethylene Propylene / Synthetic Nitrile
11	ADAPTER PERMEATE O RING	2	Ethylene Propylene / Synthetic Nitrile
12	PERMEATE SEALING O RING	2	Ethylene Propylene / Synthetic Nitrile
13	FC PORT SEAL	2	Ethylene Propylene / Synthetic Nitrile
14	HEAD ASSEMBLY O RING	2	Ethylene Propylene / Synthetic Nitrile
15	STRAP ASSEMBLY	2	S.S. 304 - PVC Cushion
16	SADDLE	2	Engineering Thermoplastic
17	SPACER / THRUST CONE	1	Engineering Thermoplastic

Design operating pressure 1200 PSI (82.74 Bar)
 Hydro - Test pressure 1320 PSI / 1800 PSI
 (91.01 Bar / 124.11 Bar)
 Max. operating Temp. 49°C (120.2°F)
 Min. operating Temp. -7°C (19.40°F)



PNCTM

Pure & Cure Technology



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