

Membrane Pressure Vessel



ISO:9001

Features

- ▶ Smooth inner surface finishing for easy loading & unloading of membrane elements
- ▶ End port and side port options available
- ▶ Different sizes of side port connection are available in side port vessels
- ▶ Outer polyurethane paint for UV resistance
- ▶ Head seal area is formed on the mandrel surface, therefore more accurate
- ▶ The head seal is captured and does not roll during installation of head assembly
- ▶ Down-stream conical shape thrust cone improves water flow pattern and allows installation of head assembly in any angle
- ▶ ISO9001: 2000 certification
- ▶ 100% hydro test at 1.5X operating pressure
- ▶ Burst pressure 4X

8" Membrane Pressure Vessels

Technical specifications

Specification applicable for End Port and Side Port	
Available pressure rating (psi)	250/300/450/600/1000/1200
Length (no. of elements)	1 to 7
Shell Material	FRP
Shell Colour	White
Feed/ reject Port	
Size	1.5" (End Port) 1.5"/2.0"/ 2.5" (Side Port)
Connection	Groove
Material	SS316 (duplex SS for 1000psi and above)
Permeate Port	
Size	1"
Connection	Female NPT/ BSP
Material	ABS
Head assembly	Retainer lock bars, cast aluminum bearing plates, ABS seal plate and lock nut, head seal, permeate port o-ring
Adaptor	Standard 0.125" OD adaptor is included
Straps & saddles	Depending on length
Max. Operating Temp	50° C (122° F)

Note- All specifications mentioned above are subject to change without prior notice.

Features

- ▶ Smooth inner surface finishing for easy loading & unloading of membrane elements
- ▶ End port and side port available
- ▶ Different sizes of side port connection are available in side port vessels
- ▶ Outer polyurethane paint for UV resistance
- ▶ Single head assembly to cut down spare part
- ▶ ISO9001 : 2000 certification
- ▶ 100% hydro test at 1.5X operating pressure
- ▶ Burst pressure 4X

4" Membrane Pressure Vessels

Technical specifications

Specification applicable for End Port and Side Port	
Available pressure rating (psi)	250/300/450/1000
Length (no. of elements)	1 to 4
Shell Material	FRP
Shell Colour	White
Feed/ reject Port	
Size	0.5" / 0.75" (End Port) 0.5"/0.75"/1" (Side Port)
Connection	Female NPT/ BSP (End Port) Groove (Side Port)
Material	ABS (End Port) S304 (SS 316 for 1000 psi) (Side Port)
Permeate Port	
Size	0.5"
Connection	Female NPT/ BSP
Material	ABS Standard (Stainless steel option)
Head assembly	Head assembly consists of half moon plates, ABS seal plate & lock nut, Head seal, permeate port O- ring
Adaptor	0.75 OD standard adaptor is provided for side entry vessel
Straps & saddles	Depending on length
Packaging	PVC plastic wrapping with carton outer pack
Max. Operating Temp	50° C (122° F)

Note- All specifications mentioned above are subject to change without prior notice.

Applications

The 4" & 8" ROH pressure vessel is specially designed for membrane separation applications such as pure water production, wastewater treatment, water recycling and sea water desalination.

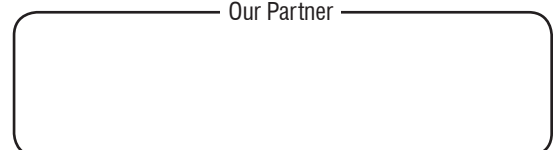
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A-1/152, Neb Sarai, IGNOU Road, New Delhi - 110 068, INDIA
T: +91-11-4310 0553/541 | F: +91-11-4310 0599 | M: +91-97176 90522
E: marketing@aventura.co.in | W: www.aventura.co.in

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Version: AC02/09/12