

Description

Aventura, in collaboration with Wave Cyber, offers state-of-the-art membrane pressure tubes made from superior composite materials to protect the membranes from environmental deterioration. These high precision engineered tubes are made by using FRP winding technology and advanced manufacturing equipments to achieve highest integrity of the membrane pressure tubes smooth inner surface, accurate dimensions and precise tolerance. The pressure tubes have a wide range of pressure rating from 300 psi to 1200 psi.

4" Membrane Pressure Tubes

Design Features

- ▶ Credible simple configuration
- ▶ High strength, smooth inner surface and durable FRP shell
- ▶ Polyurethane outer coating provides extra protection from environment
- ▶ Insert plastic permeate port material
- ▶ SS316 head locking baffle for simple and safe head assembly for 300 and 450 psi tubes, three turns locking ring design for 1000 psi tubes

Technical Information

- ▶ Ranging from 1 to 8 elements
- ▶ Side Port / Multiport: 150 psi, 300 psi, 450 psi, 600 psi, 1000 psi, 1200 psi
- ▶ End Port: 250psi, 300psi, 400psi, 450psi, 600psi, 1000psi, 1200psi
- ▶ SS316 Lport standard for all pressure ratings
- ▶ Duplex & super duplex stainless steel ports*
- ▶ Side port / Multiple port options are available in 1.5", 2", 2.5 " & 3" feed port sizes
- ▶ Unique standard 1" half union end permeate port design. 1¼" NPT male thread, 1" NPT female thread victaulic connection option, sanitary port also available.

Quality Assurance

All pressure vessels are ASME Sec X compliant. Each membrane pressure vessel is tracked by serial numbers mentioned on the pressure vessel. All membrane pressure vessels are designed for 100,000 cycles and qualify to a burst test of six times its rated operating pressure. Each membrane pressure vessel is individually hydro tested prior to dispatch.

* RA 2507 grade Duplex Steel ports. Super Duplex SM 0254 also available on request.



ISO:9001



4" Membrane Pressure Vessels

Design Features

- ▶ Credible simple configuration
- ▶ Decrease 30% parts - Safety bolt
- ▶ Feed port 0.5"NPT and 0.75"NPT option
- ▶ Half moon locking device for 250 & 300psi housings
- ▶ 0.5" NPT permeate port
- ▶ Highly polished inner surface for easy membrane load and unload
- ▶ Universal adaptation to all standard 4" membrane elements
- ▶ Standard bearing plate and 3 turn lock spiral ring design for higher pressure ratings

Technical Information

- ▶ Ranging from 1 to 6 elements
- ▶ Side Port: 300 psi, 600 psi, 1000 psi
- ▶ End port: 250psi, 300psi, 600psi, 1000psi

Quality Assurance

Aventura is committed to provide most reliable and quality assurance with the best customer service. All our membrane pressure vessel products are designed to a staggering 100,000 cycles and qualify to a burst test of six times its rated operating pressure. We offer the most safe and durable membrane pressure vessels to meet customers' requirements.



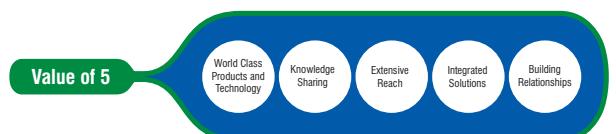
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