

AXEON

SS Pressure Vessels



Stainless Steel (SS) Pressure Vessels are offered in a 2.5" and 4" diameter.

These pressure vessels feature end entry connections, the True-Clamp™ Integrated Clamping System, a 304L stainless steel exterior, which is corrosion resistant, and able to withstand high pressures.

AXEON[®]
WATER TECHNOLOGIES

Engineered Water Treatment Solutions

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SS Pressure Vessels

SS Pressure Vessels are designed for continuous, long-term use as a pressure vessel for reverse osmosis, nanofiltration, and ultrafiltration elements which are used on typical commercial water treatment systems at pressures up to 250 psi.



SS Pressure Vessels accommodate any make of 2.5-inch or 4-inch nominal diameter spiral wound elements with a 3/4" diameter male product tube.

Features:

- 304L Stainless Steel Construction
- Seamless Vessel Body (1.80 mm Thick)
- End Entry Single Piece Nylon End Plugs
- High Resistance to Climate Conditions
- True-Clamp™ Integrated Clamping System
- Buna-N Double O-Rings for Sealing Integrity
- Accommodate All Standard Sized Membrane Elements
- Adapters, Interconnectors and Mounting Clamps Available

Description	Number of Membranes	Diameter	Length	CONNECTIONS			Maximum Operating Pressure psig (bar)
				Feed (FNPT)	Permeate (FNPT)	Concentrate (FNPT)	
SS 2514	1	2.5"	14"	3/8"	3/8"	3/8"	250 (17.24)
SS 2521	1	2.5"	21"	3/8"	3/8"	3/8"	250 (17.24)
SS 2540	1	2.5"	40"	3/8"	3/8"	3/8"	250 (17.24)
SS 4021	1	4.0"	21"	1/2"	1/2"	1/2"	250 (17.24)
SS 4040	1	4.0"	40"	1/2"	1/2"	1/2"	250 (17.24)
SS 4040	1	4.0"	40"	3/4"	1/2"	3/4"	250 (17.24)
SS 4080	2	4.0"	80"	3/4"	3/4"	3/4"	250 (17.24)
SS 4120	3	4.0"	120"	3/4"	3/4"	3/4"	250 (17.24)

Materials of Construction:

- End Plug Nylon
- End Plug Screws 304 SS
- Vessel Body 304L SS
- Clamp 304 SS
- O-Ring Buna-N

Technical Specifications:

- Maximum Operating Pressure: 250 psi / 17 bar
- Maximum Operating Temperature: 120° F / 48° C
- Minimum Operating Temperature: 35° F / 1° C



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