

FRP PRESSURE VESSEL DATASHEET-4 INCH SIDE ENTRY

F40-600S

ASME-certified, NSF-approved and CE-compliant models available

General Description	Technical Specifications	Unique Advantages
<p>The First Line 40S Series is an 4-inch diameter pressure vessel with an side-entry design, engineered for commercial, municipal, and industrial reverse osmosis (RO) applications.</p> <p>*Standard element length = 40"</p>	<ul style="list-style-type: none"><li>• Operating Pressure Options: 300 psi, 450 psi, 600 psi, 1000 psi, and 1200 psi.</li><li>• Construction: High-strength epoxy/-glass composite for superior durability in continuous RO operations</li><li>• Compatibility: Designed to accomodate all standard* 4" membrane elements.</li></ul>	<ul style="list-style-type: none"><li>• Robust construction ensures long-term reliability in demanding environments.</li><li>• Various pressure ratings accommodate different water treatment needs.</li><li>• Universal compatibility with industry-standard components.</li></ul>

MODEL NUMBER	MAX. OPERATION PRESSURE	MAX. OPERATION TEMPERATURE	HYDROTEST PRESSURE	ELEMENT NUMBER
F40-600S	600 PSI / 41 bar	120 °F / 49 °C	660PSI / 45bar	1-6

\* Specifications are subjected to change without prior notice (for more details refer model specific engineering drawings)

Assembly Explosion View with Detailed Components



DRG REG	QTY	DESCRIPTION	MATERIAL	PART NUMBER
1	1	Shell	Epoxy FRP	As Required
2	2	Feed/Conc. Port	2507SST	20000493
3	4	O-ring , F/C Port	EPDM	20000326
4	2	Retaining Ring	304SST	20000392
5	4	O-ring , PWT	EPDM	20002478
6	2	Adapter	PPO	20002843
7	4	O-ring , Adapter	EPDM	20002429
8	2	O-ring , Head	EPDM	20002659
9	2	Sealing Plate	ABS	20002841
10	4	O-ring , Permeate Port	EPDM	20002430
11	2	Permeate Port	ABS	20002845
12	2	Bearing Plate	Aluminium Alloy	20000409
13	4	Connecting Bolt	304SST	20000439
14	2	Locking Kit Segment	316SST	20000013/14/15
15	6	Locking Kit Screw	304SST	20000205
16	1	Plug	PPO	20003046