

FRP PRESSURE VESSEL DATASHEET-2.5 INCH END ENTRY

R25-1200E

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

General Description	Technical Specifications	Unique Advantages
The First Line 25E Series is an 2.5-inch diameter pressure vessel with an end-entry design, engineered for commercial, municipal, and industrial reverse osmosis (RO) applications. *Standard element length = 40"	- Operating Pressure Options: 300 psi, 1000psi,and 1200 psi. - Construction: High-strength epoxy/-glass composite for superior durability in continuous RO operations - Compatibility: Designed to accomodate all standard* 2.5" membrane elements.	- Robust construction ensures long-term reliability in demanding environments. - Various pressure ratings accommodate different water treatment needs. - Universal compatibility with industry-standard components.

TECHNICAL SPECIFICATIONS				
MODEL NUMBER	MAX. OPERATION PRESSURE	MAX. OPERATION TEMPERATURE	HYDROTEST PRESSURE	ELEMENT NUMBER
R25-1200E	1200 PSI / 83bar	120 °F / 49 °C	11320 PSI / 92bar	1

* 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	4	O-ring , PWT	EPDM	20002478
3	2	O-ring , Head	EPDM	20002658
4	2	End Plate	2507SST	20000042
5	6	Locking Kit Segment	2507SST	20000061/62/63
6	2	Securing Ring	2507SST	20001064
7	4	Securing Screw	304SST	20000205