

FRP PRESSURE VESSEL DATASHEET-2.5 INCH END ENTRY

F25-1000E

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

General Description

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"

Technical Specifications

- Operating Pressure Options: 300 psi, and 1000 psi.
- Construction: High-strength epoxy/-glass composite for superior durability in continuous RO operations
- Compatibility: Designed to accommodate all standard* 2.5" membrane elements.

Unique Advantages

- 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
F25-1000E	1000 PSI / 69 bar	120 °F / 49 °C	1100 PSI / 76 bar	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	2	Locking Kit Segment	2507SST	20000061/62/63
6	2	Securing Ring	2507SST	20001064
7	4	Securing Screw	304SST	20000205