

R25E Series

2.5" Standard Pressure Vessel

About ROPV

The ROPV technical team is composed of highly knowledgeable and capable team from the FRP Institute specializing in advanced polymer materials, with over 150 combined years of technical and industry experience in composite design and manufacturing.

The ROPV laboratory is an integrated physical and chemical laboratory equipped with advanced equipment to perform testing and analysis in the areas of:

- Finite Element Analysis
- Resin System Research
- Fatigue Test of Complex Material Compositions

Today ROPV is the largest pressure vessel manufacturer in China with headquarters in Harbin, Heilongjiang Province, China; manufacturing facility in Dezhou, Shandong Province and global sales office in San Francisco, California, USA.

OVERVIEW

The ROPV R25E series model accommodates standard make 2.5" membrane filtration elements. Manufactured to very exacting specifications with only the highest quality materials for continuous use. Our pressure vessels operate within a temperature range of 14–150°F (-10–66°C), at operating pressures of up to 1,000 PSI / 69 Bar. Individual units are hydro-tested prior to shipment to ensure only the highest quality and stable performance.



Low Pressure Vessel



High Pressure Vessel

APPLICATION

Our pressure vessels were developed for permeate and feed/concentrate with variable port options, connection types and sizes. They're fully customizable and are offered as OEM equipment for UF, EDI, Large Diameter Membranes and Emerging Water Treatment Technologies.

FEATURES

- Easy installation and maintenance
- Constructed for best chemical compatibility and corrosion resistance
- Fully customizable and configured based on customer requirements
- Available in the following pressure ratings:
300 Psi, 600 Psi, 1000 Psi

Product Datasheet

Model R25E 2.5" Standard Pressure Vessel

R25E Series

| Model | Design / Operating Pressure | Max. Operating Temperature | Min. Operating Temperature | Qualification Pressure | Element Length |
|-------------|-----------------------------|----------------------------|----------------------------|------------------------|----------------|
| R2540B300E | 300 Psi / 21 Bar | 150°F / 66°C | 14°F / -10°C | 1800 Psi / 126 Bar | 40" X 1 |
| R2521B300E | 300 Psi / 21 Bar | 150°F / 66°C | 14°F / -10°C | 1800 Psi / 126 Bar | 21" X 1 |
| R2514B300E | 300 Psi / 21 Bar | 150°F / 66°C | 14°F / -10°C | 1800 Psi / 126 Bar | 14" X 1 |
| R2540B600E | 600 Psi / 41 Bar | 150°F / 66°C | 14°F / -10°C | 3600 Psi / 246 Bar | 40" X 1 |
| R2521B600E | 600 Psi / 41 Bar | 150°F / 66°C | 14°F / -10°C | 3600 Psi / 246 Bar | 21" X 1 |
| R2514B600E | 600 Psi / 41 Bar | 150°F / 66°C | 14°F / -10°C | 3600 Psi / 246 Bar | 14" X 1 |
| R2540B1000E | 1000 Psi / 69 Bar | 150°F / 66°C | 14°F / -10°C | 6000 Psi / 414 Bar | 40" X 1 |
| R2521B1000E | 1000 Psi / 69 Bar | 150°F / 66°C | 14°F / -10°C | 6000 Psi / 414 Bar | 21" X 1 |
| R2514B1000E | 1000 Psi / 69 Bar | 150°F / 66°C | 14°F / -10°C | 6000 Psi / 414 Bar | 14" X 1 |

ROPV Committed to Quality and Technology

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