ROPV

GEOFLUID
Evolving solid solutions.

R80E Series

8″ Standard Pressure Vessel

About ROPV

The ROPV technical team is composed of highly knowledgable 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.

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.

OVERVIEW

The ROPV R80E series model accommodates standard make 8" 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 14–150ºF (-10–66ºC), at operating pressures of up to 1,200 PSI / 83 Bar. Individual units are hydro-tested prior to shipment to ensure only the highest quality and stable performance.

FEATURES

- Easy installation and maintenance
- Constructed for best chemical compatibility and corrosion resistance
- Fully customizable and configured based on customer requirements
- Available Pressure Ratings:
  300 Psi, 450 Psi, 600 Psi, 1000 Psi, 1200 Psi

Product Datasheet

Product Datasheet

Model R80E 8" Standard Pressure Vessel

R80E Series

Model	Design / Operating Pressure	Max. Operating Temperature	Min. Operating Temperature	Qualification Pressure	Element Length
R8040B300E	300 Psi / 21 Bar	150° F / 66°C	14°F / -10°C	1800 Psi / 126 Bar	40' X (1-8)
R8040B450E	450 Psi / 31 Bar	150° F / 66°C	14°F / -10°C	2700 Psi / 186 Bar	40' X (1-8)
R8040B600S	600 Psi / 41 Bar	150° F / 66°C	14°F / -10°C	3600 Psi / 246 Bar	40' X (1-8)
R8040B1000S	1000 Psi / 69 Bar	150° F / 66°C	14°F / -10°C	6000 Psi / 414 Bar	40' X (1-8)
R8040B1200S	1200 Psi / 83 Bar	150° F / 66°C	14°F / -10°C	7200 Psi / 498 Bar	40' X (1-8)

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