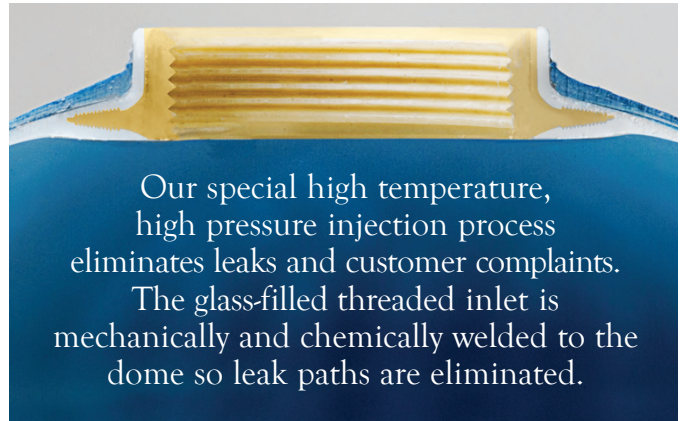




COMPOSITE VESSELS



Innovative designs. Superior manufacturing technology. Unsurpassed technical support. No wonder ENPRESS is the nation's fastest growing developer and manufacturer of composite pressure vessels for water treatment systems. Located near Cleveland, Ohio, our highly automated plant is dedicated solely to the manufacturing of composite pressure vessels. Our people also bring something special to the table. They have over 75 years of combined engineering, manufacturing and marketing experience in the field. Experience that you can count on. So read on and find out what makes our composite pressure vessels the ones you can rely on.



Our special high temperature, high pressure injection process eliminates leaks and customer complaints. The glass-filled threaded inlet is mechanically and chemically welded to the dome so leak paths are eliminated.

OPERATING PARAMETERS:

- Maximum operating pressure: 150psi/10Bar
- Maximum operating temp.: 120°F/50°C

DESIGN PARAMETERS:

- 250,000+ cycles, ambient & hot 150°F/66°C, 0 to 150psi without leakage
- 4:1 safety factor (600psi minimum burst)
- Stress Rupture: minimum 1,000 hours at 150°F/66°C and 150psi static pressure

WARRANTY:

- Sizes through 13": 10 year limited warranty
- Sizes 14" and larger: 5 year limited warranty

Available in 5 standard colors.



Custom colors available upon request.



This pressure vessel is tested and certified by NSF International against NSF/ANSI Standard 44 for materials and structural integrity requirements

COMPONENT



IN OUR BUSINESS, ONLY THE STRONG SURVIVE.

ENPRESS composite pressure vessels are stronger and superior to the competition's vessels. Bold stuff from a newcomer. But consider this. We've got an exclusive liner design. Our computer controlled cut lets us keep the length of our vessel consistent within .180"/.046 cm. No other manufacturer does that. And that means no more custom cutting riser tubes for you. We're also the only manufacturer who uses co-polymer polypropylene in the construction of their vessels. These facts alone should convince you that ENPRESS is the only way to go.

SPECIFICATIONS

INNER SHELL MATERIAL:

- Co-polymer polypropylene
- Custom formulation provides superior performance in both hot and cold temperature environments
- Superior elasticity of polypropylene allows for controlled "breathing" without stressing the material
- Superior impact resistance

Injection Molded Top And Bottom Domes

- Precision molding process produces consistent, part-to-part quality
- Uniform wall thickness provides optimum glass and inlet performance
- High temperature/high pressure injection molding allows the glass-filled threaded inlet to be mechanically and chemically welded to the dome, eliminating potential leak paths

Extruded Side Wall

- Produces consistent wall thickness over the entire length of the part eliminating potential thin spots or stress points
- Computer controlled cut provides consistent lengths within .180"/.046 cm from part-to-part

FIBERGLASS/EPOXY WINDING:

- All vessels are wound with premium fiberglass roving on computer controlled, 4 axis winders for precision application to optimize material and glass yield performance
- Epoxy laminate is oven cured to exacting specifications for superior environmental performance

BASE:

- Injection molded from impact/temperature resistant polypropylene



34495 Melinz Parkway, Eastlake, OH 44095
Phone 866.859.9274 - Fax 440.510.0202
info@Enpress.com - www.Enpress.com