



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.

Natural

Almond

Grey



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



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 glassfilled 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



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