

## COMPOSITE VESSELS

### PROVEN PERFORMANCE IN COMMERCIAL AND INDUSTRIAL APPLICATIONS



The non-corrosive, cost-effective solution for commercial/industrial water treatment and storage. Pentair® Composite Vessels offer fiberglass construction for outstanding performance and durability in harsh chemical environments. Available in capacities up to 900 gallons, composite vessels are available with a variety of different configurations.

#### FEATURES/BENEFITS

100% composite fiberglass construction  
Outstanding performance and durability  
Seamless design prevents from leakage  
Absolutely will not-and cannot-rust  
Factory-backed five-year warranty

#### OPERATING PARAMETERS

Maximum operating temperature-  
Thread inlet tank 49°C (120°F)  
Flange inlet tank 65°C (150°F)  
Maximum vacuum: 127mmHg (5"Hg)

#### MATERIAL OF CONSTRUCTION

Polyethylene Inner shell  
Opening in various options:  
4 in. threaded,  
6 in. flanged.

#### PENTAIR DESIGN PARAMETERS

Safety factor – 4:1  
Minimum burst at 600 psi  
Tested to 250,000 cycles without leakage

#### NSF/ANSI DESIGN PARAMETERS

Safety factor – 4:1  
Minimum burst at 600 psi  
Tested to 100,000 cycles without leakage

#### APPLICATIONS

Commercial/industrial softening  
Commercial/industrial filtration

#### COLOR OPTIONS

GR – Gray NA – Natural  
BL – Blue BK – Black



This pressure vessel has been tested and certified by WQA according to NSF/ANSI Std. 61 Section 8 and Std. 372 for lead free compliance.

# SPECIFICATIONS FOR PE LINER TANKS

| Tank Dia. | Tank Size |           | Opening |        | Total Height |          | Dia. mm | Capacity |       | Base   |
|-----------|-----------|-----------|---------|--------|--------------|----------|---------|----------|-------|--------|
|           | in.       | mm.       | Top     | Bottom | (LA) mm.     | (LB) mm. |         | Gal.     | Litre |        |
| 24 in.    | 24X72     | 610x1829  | 4"-8UN  | \      | 1880         | 1743     | 613     | 119      |       | SMC    |
|           | 24x72     | 610x1829  | 4"-8UN  | 4"-8UN | 2090         | 1764     | 625     | 119      |       | TRIPOD |
| 30 in.    | 30X72     | 762x1829  | 4"-8UN  | \      | 2003         | 1775     | 764     | 187      |       | SMC    |
|           | 30X72     | 762x1829  | 4"-8UN  | 4"-8UN | 2105         | 1772     | 764     | 187      |       | TRIPOD |
| 36 in.    | 36X72     | 914x1829  | 4"-8UN  | \      | 2042         | 1776     | 914     | 264      |       | SMC    |
|           | 36X72     | 914x1829  | 4"-8UN  | 4"-8UN | 2160         | 1791     | 914     | 264      |       | TRIPOD |
|           | 36X72     | 914x1829  | 6" FLG  | \      | 2090         | 1825     | 917     | 264      |       | SMC    |
|           | 36X72     | 914x1829  |         | 6" FLG | 2210         | 1922     | 917     | 264      |       | TRIPOD |
| 42 in.    | 42X72     | 1067x1829 |         | 6" FLG | 2289         | 1854     | 1073    | 345      |       | TRIPOD |
| 48 in.    | 48X72     | 1219x1829 |         | 6" FLG | 2335         | 1932     | 1226    | 463      |       | TRIPOD |
| 63 in.    | 63X67     | 1600x1702 |         | 6" FLG | 2068         | 1704     | 1626    | 600      |       | TRIPOD |
|           | 63X86     | 1600x2184 |         | 6" FLG | 2513         | 2164     | 1626    | 900      |       | TRIPOD |

\*Measurements are subject to change without notice and are for reference only.

\*Please refer the individual drawing for dimension, volumes and weight etc.

**NOTE:** Flexible connections must be installed between hard piping and tank opening. Failure to install flex connection properly with the vessel will void the warranty.

**NOTE:** An adequate vacuum breaker must be installed if negative pressure exceed 127mmHg (5" Hg) inside.

