

# STRUCTURAL<sup>®</sup>

## COMPOSITE PRESSURE VESSELS

DESIGNED FOR COMMERCIAL SOFTENING AND FILTRATION APPLICATIONS



Pentair<sup>®</sup> Structural<sup>®</sup> Composite Pressure Vessels offer reinforced fiberglass construction for outstanding performance and durability. Available in capacities up to 3,200 Litres, composite vessels are available with a variety of different configurations.

### FEATURES/BENEFITS

- For commercial and industrial water treatment and storage
- 100% composite fiberglass construction
- Outstanding performance and durability in harsh chemical environments
- Absolutely will not – and cannot – rust
- Requires little or no maintenance
- Capacities up to 3,200 Litres
- Factory-backed three-year warranty
- Commercial softening and filtration



Vessels tested and certified by the Water Quality Association (WQA) to NSF/ANSI Std. 44 for material safety and structural integrity requirements and Std. 372 for low lead compliance.



## MATERIAL OF CONSTRUCTION

- Polyethylene inner shell

## INSTALLATION TIPS

- Bolt base to floor
- Calculate height for valve and base combined

## COLOR OPTIONS

BL – Blue    NA – Natural

## OPERATING PARAMETERS

- Maximum operating pressure – 150 psi
- Maximum operating temperature – 120° F (threaded); 150°F (flanged)

## SPECIFICATIONS

VESSEL	DESCRIPTION	OPERATING PRESSURE	HEIGHT W/ BASE / MM	HEIGHT W/O BASE / MM	DIA (MM)	CAPACITY LITERS	BASE	WEIGHT OF VESSEL WITH BASE (KG)
18" dia	18X65 COMP 4"T	10 Bar	1753	1640	473	250	SMC	32.83
18" dia	18X65 COMP 4"T/4"B	10 Bar	2060	1645	473	250	Tripod	38.26
21" dia	21X62 COMP 4"T	10 Bar	1619	1489	552	310	SMC	42.23
21" dia	21X62 COMP 4"T/4"B	10 Bar	1925	1505	552	310	Tripod	39.71
24" dia	24X72 COMP 4"T	10 Bar	1857	1731	610	450	SMC	45.68
24" dia	24X72 COMP 4"T/4"B	10 Bar	2163	1740	610	450	Tripod	47.96
24" dia	24X72 COMP 6"T/6"B	10 Bar	2222	1875	610	450	Tripod	56.42
30" dia	30X72 COMP 4"T/4"B	10 Bar	2225	1815	770	710	Tripod	80.96
30" dia	30X72 COMP 6"T/6"B	10 Bar	2261	1946	770	710	Tripod	88.92
36" dia	36X72 COMP 4"T/4"B	10 Bar	2281	1856	927	1020	Tripod	105.26
36" dia	36X72 COMP 6"T/6"B	10 Bar	2353	2000	927	1020	Tripod	114.52
42" dia	42X72 COMP 6"T/6"B	10 Bar	2292	1880	1074	1360	Tripod	145.72
48" dia	48X72 COMP 6"T/6"B	10 Bar	2470	2070	1226	1840	Tripod	182.72
63" dia	63X67 COMP 6"T/6"B	10 Bar	2067	1704	1615	2271	Tripod	340
63" dia	63X86 COMP 6"T/6"B	5 Bar	2474	2136	1616	3218	Tripod	332
63" dia	63X86 COMP 6"T/6"B	10 Bar	2474	2136	1623	3218	Tripod	345

\*Pentair strongly recommends use of vacuum breaker while installing Structural™ Pressure Vessels

\*\*Please refer individual general arrangement drawing for dimensions, volumes etc.

**Note:** Pentair maintains a policy of continuous improvement / development and reserves the right to amend the information given herein without any prior notice.



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