



# 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)

### PENTAIR DESIGN PARAMETERS

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

### NSF DESIGN PARAMETERS

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

### 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.



### PENTAIR WATER INDIA PVT. LTD

L/52-55, Verna Industrial Estate,  
Verna, Salcette, Goa - 403 722.

Phone : +91 832 2883300

Email : [customercare.waterindia@pentair.com](mailto:customercare.waterindia@pentair.com)

All Pentair trademarks and logos are owned by Pentair, Inc. All other brand or product names are trademarks or registered marks of their respective owners.

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

40845 Rev D MR14 © 2014 Pentair Residential Filtration, LLC. All Rights Reserved.

[www.pentair.com](http://www.pentair.com)