



STRUCTURAL™

COMPOSITE PRESSURE VESSELS



Available with Your Trusted Partner for Water Treatment Solutions:

FILTRA CONSULTANTS AND ENGINEERS LTD.

Gala No. 2 & 3, Ground Floor, Neminath Industrial Estate No. 2, Navghar, Vasai (East), Dist.: Palghar - 401 208.
Tel.: +91 8691009127/26 Email: filtraw@gmail.com Website: www.ewatertreatmentindia.com





DESIGNED FOR COMMERCIAL SOFTENING AND FILTRATION APPLICATIONS

Pentair® STRUCTURAL™ 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 AND 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

MATERIAL OF CONSTRUCTION

- Polyethylene inner shell

COLOR OPTIONS

- BL – Blue
- NA – Natural

NSF DESIGN PARAMETERS

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

INSTALLATION TIPS

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

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



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QUALITY STANDARDS AT PENTAIR

Pentair Water India is an ISO 9001:2015 company , with STRUCTURAL™ Composite Tanks CE Certified according to 2014/68/EU Directives, tested to Drinking Water standard such as NSF® and certified by Water Quality Association (WQA©) for NSF 61 and NSF 372 with Gold Seal Logo



Vessels tested and certified by the Water Quality Association (WQA) to NSF/ANSI Std. 61 for material safety and structural integrity requirements and Std. 372 for low lead compliance.

TECHNICAL SPECIFICATIONS

VESSEL	DESCRIPTION	OPERATING PRESSURE	HEIGHT W/ BASE/ MM	HEIGHT W/O BASE/MM	DIA (MM)	HEIGHT OF CYLINDRICAL PORTION (HOS) (MM)	CAPACITY LITERS	BASE	WEIGHT OF VESSEL WITH BASE (KG)
18" dia	18x65 COMP 4"T	10 Bar	1753	1640	473	1350	250	SMC	32.83
18" dia	18x65 COMP 4"T/4" B	10 Bar	2060	1645	473	1350	250	Tripod	38.26
21" dia	21x62 COMP 4"T	10 Bar	1619	1489	552	1155	310	SMC	42.23
21" dia	21x62 COMP 4"T/4"B	10 Bar	1925	1505	552	1155	310	Tripod	39.71
24" dia	24x72 COMP 4"T	10 Bar	1857	1731	610	1327	450	SMC	45.68
24" dia	24x72 COMP 4"T/4"B	10 Bar	2163	1740	610	1327	450	Tripod	47.96
24" dia	24x72 COMP 6"T/6"B	10 Bar	2222	1875	610	1320	450	Tripod	56.42
30" dia	30x72 COMP 4"T/4"B	10 Bar	2225	1815	770	1313	710	Tripod	80.96
30" dia	30x72 COMP 6"T/6"B	10 Bar	2261	1946	770	1284	710	Tripod	88.92
36" dia	36x72 COMP 4"T/4"B	10 Bar	2281	1856	927	1266	1020	Tripod	105.26
36" dia	36x72 COMP 6"T/6"B	10 Bar	2353	2000	927	1272	1020	Tripod	114.52
42" dia	42x72 COMP 6"T/6"B	10 Bar	2292	1880	1074	1222	1360	Tripod	145.72
48" dia	48x72 COMP 6"T/6"B	10 Bar	2470	2070	1226	1140	1840	Tripod	182.72
63" dia	63x67 COMP 6"T/6"B	10 Bar	2067	1704	1615	530	2271	Tripod	340
63" dia	63x86 COMP 6"T/6"B	5 Bar	2474	2136	1616	946	3218	Tripod	332
63" dia	63x86 COMP 6"T/6"B	10 Bar	2474	2136	1623	946	3218	Tripod	34

*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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