

STRUCTURAL POLYGLASS VESSELS

RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS



Optional 1.25"
Dome Port Opening

Pentair® Structural® Polyglass Vessels have been the industry standard for quality and performance for more than 40 years. Featuring a one-piece, seamless, high-density polyethylene liner and an encapsulated, leak-free engineered polymer inlet, Structural Polyglass Vessels are designed to provide you with years of worry-free performance.

FEATURES • BENEFITS

- ◆ For residential and light commercial water softener/filtration applications
- ◆ Slim diameter with capacities from 2 to 49 gallons
- ◆ 1.25" Dome Port opening available on select sizes for neutralizing applications
- ◆ Unmatched strength and chemical resistance
- ◆ 10-year warranty for 6" - 13" vessels
- ◆ 5-year warranty for 14" - 16" vessels



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

- ◆ Inner shell of high-density polyethylene
- ◆ Threaded inlet available in various sizes: 2.5", 4", 4.5"

APPLICATIONS

- ◆ Residential/light commercial softening
- ◆ Residential/light commercial filtration
- ◆ Portable exchange tanks

OPERATING PARAMETERS

- ◆ Maximum operating pressure – 150 psi
- ◆ Maximum operating temperature – 120° F

PENTAIR DESIGN PARAMETERS

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

NSF/ANSI STD. 44 DESIGN PARAMETERS

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

COLOR OPTIONS

- ◆ AL – Almond
- ◆ BL – Blue
- ◆ BK – Black
- ◆ GR – Gray
- ◆ NA – Natural

SPECIFICATIONS

VESSEL	PART NO.	DESCRIPTION	HEIGHT W/BASE INCHES / MM	CAPACITY GALLONS / LITERS	CUBIC FEET	
7" DIA.	CH30190	0735 PG 2.5"T	35.4 / 898	5.2 / 19.7	0.7	
8" DIA.	CH30286	0840 PG 2.5"T	40.1 / 1018	7.8 / 29.5	1	
	CH30305	0844 PG 2.5"T	44.5 / 1130	8.7 / 32.9	1.2	
9" DIA.	CH30317	0918 PG 2.5"T	18.4 / 467	3.9 / 14.8	0.52	
	CH30347	0935 PG 2.5"T	35.3 / 896	8.3 / 31.4	1.1	
	CH30367	0942 PG 2.5"T	41.9 / 1063	10.1 / 38.2	1.4	
	CH30383	0948 PG 2.5"T	48.7 / 1237	11.8 / 44.7	1.6	
10" DIA.	CH31357	1018 PG 2.5"T	18.9 / 480	4.9 / 18.5	0.65	
	CH30460	1035 PG 2.5"T	35.5 / 902	10.2 / 38.6	1.4	
	CH30491	1040 PG 2.5"T	40.3 / 1024	11.5 / 43.5	1.54	
	CH30523	1044 PG 2.5"T	44.6 / 1134	13.1 / 49.6	1.8	
	CH30546	1047 PG 2.5"T	47.7 / 1211	15.1 / 57.2	2	
	CH30579	1054 PG 2.5"T	54.0 / 1370	16.4 / 62.1	2.2	
	Consult Factory	1054 PG 2.5"T 1.25" Dome Port	54.4 / 1383	16.4 / 62.1	2.2	Punktas 8.1.55.
12" DIA.	CH30646	1248 PG 2.5"T	49.0 / 1245	20.6 / 78	2.8	
	CH30647	1248 PG 4"T	49.4 / 1256	20.6 / 78	2.8	
	CH30666	1252 PG 2.5"T	52.0 / 1320	22.2 / 84	2.97	
	Consult Factory	1252 PG 2.5"T 1.25" Dome Port	53.0 / 1346	22.2 / 84	2.97	
	CH32127	1252 PG 4.5"T	53.14 / 1350	22.2 / 84	2.97	
13" DIA.	CH30721	1354 PG 2.5"T	54.0 / 1370	27 / 102	3.6	
	Consult Factory	1354 PG 2.5"T 1.25" Dome Port	54.3 / 1380	27 / 102	3.6	
	CH30724	1354 4"T	54.9 / 1394	27 / 102	3.6	
						Punktas 8.1.54.
14" DIA.	CH32006	1447 4.5"T	47.3 / 1200	27.5 / 104	3.7	
	CH30785	1465 4"T	66.1 / 1679	38 / 144	5.1	
16" DIA	CH30912	1665 4"T	66.2 / 1682	49 / 186	6.6	
	CH30868	1665 4"T 4"B	78.8 / 2002	49 / 186	6.6	



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States
 P: 262.238.4400 | Customer Service: 800.279.9404 | tech-support@pentair.com | pentair.com

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