

STRUCTURAL® POLY GLASS® VESSELS

PROVEN PERFORMANCE IN RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS



Pentair® Structural® Poly Glass Vessels have been the industry standard for quality and performance for over 30 years. Featuring a one piece, seamless high density polyethylene liner and an encapsulated, leak free engineered polymer inlet, Structural Poly Glass 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

Unmatched strength and chemical resistance

10-year warranty for 6" - 13" vessels

5-year warranty for 14" - 16" vessels

MATERIAL OF CONSTRUCTION

Inner shell of high density polyethylene

Threaded inlet 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

GR – Gray

BL – Blue

NA – Natural

BK – Black



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.

SPECIFICATIONS

VESSEL	PART NO.	DESCRIPTION	HEIGHT W/BASE INCHES / MM	CAPACITY GALLONS / LITERS	CUBIC FEET
6" DIA.	CH30109	0613 PG 2.5"T	13.4 / 340	1.1 / 4.2	0.15
	CH30127	0618 PG 2.5"T	18.8 / 479	1.8 / 6.8	0.24
	CH30151	0635 PG 2.5"T	35.7 / 906	3.8 / 14.4	0.51
7" DIA.	CH30190	0735 PG 2.5"T	35.4 / 898	5.2 / 19.7	0.7
	CH30213	0744 PG 2.5"T	44.0 / 1120	6.7 / 25.4	0.9
8" DIA.	CH31835	0818 PG 2.5"T	18.7 / 475	3.3 / 12.5	0.44
	CH33858	0824 PG 2.5"T	24.4 / 620	4.5 / 17.0	0.6
	CH31836	0830 PG 2.5"T	30.3 / 770	5.9 / 22.3	0.79
	CH30264	0835 PG 2.5"T	35.39 / 899	6.6 / 25	0.88
	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
	CH30360	0940 PG 2.5"T	39.8 / 1010	9.5 / 36	1.3
	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
	Consult Factory	1044 PG 2.5"T 1.25" THD	44.9 / 1142	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	54.4 / 1383	16.4 / 62.1	2.2
	Consult Factory	1054 PG 2.5"T 1.25" THD	54.4 / 1383	16.4 / 62.1	2.2
	CH31478	1060 PG 2.5"T	61.3 / 1558	18.3 / 69.3	2.45
12" DIA	CH30615	1242 PG 2.5"T	43.0 / 1093	19.1 / 72.3	2.6
	CH30617	1242 PG 4.5"T	43.1 / 1095	19.1 / 72.3	2.6
	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
	Consult Factory	1248 PG 2.5"T 1.25" TDH	49.0 / 1244	20.6 / 78	2.8
	CH30666	1252 PG 2.5"T	53.0 / 1346	22.2 / 84	2.97
	Consult Factory	1252 PG 2.5"T 1.25" TDH	53.0 / 1346	22.2 / 84	2.97
	CH30669	1252 PG 4"T	53.4 / 1356	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	54.3 / 1380	27 / 102	3.6
	Consult Factory	1354 PG 2.5"T 1.25" TDH	54.3 / 1380	27 / 102	3.6
	30724	1354 4"T	54.9 / 1394	27 / 102	3.6
14" DIA.	CH30745	1447 4"T	47.0 / 1195	27.5 / 104	3.7
	CH32006	1447 4.5"T	47.3 / 1200	27.5 / 104	3.7
	Consult Factory	1454 4"T	54.7 / 1388	32.8 / 124	4.4
	CH30785	1465 4"T	66.1 / 1679	38 / 144	5.1
16" DIA	CH34368	1633 4"T	34.8 / 885	22.4 / 85	3
	CH30864	1653 4"T	55.0 / 1397	40 / 151	5.3
	CH30912	1665 4"T	66.2 / 1682	49 / 186	6.6
	CH30868	1665 4"T 4"B	78.8 / 2002	49 / 186	6.6



FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209
262.238.4400, CUSTOMER CARE: 800.279.9404, WWW.PENTAIRAQUA.COM

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