



## Structural<sup>®</sup> Poly Glass<sup>®</sup> Vessels



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.

### Typical Applications

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

### Color Options

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



Vessels Tested and Certified by NSF  
International to NSF/ANSI Standard 61 for  
material and structural integrity requirements.

# Structural<sup>®</sup> Poly Glass<sup>®</sup> Vessels



## Product Features

- 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"

## 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 Design Parameters

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

## Specifications

	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



## Specifications (cont'd.)

	Part No.	Description	Height w/Base Inches / mm	Capacity Gallons / Liters	Cubic Feet
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

WATER  
TREATMENT  
COMPONENTS

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