



# CHAMPION® Pre-Pressurized Water System Tanks

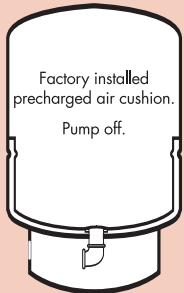


- Proven Diaphragm Design
- Tough High-Gloss Finish
- NSF Standard 61 Listed
- Outstanding Value
- Helium Tested

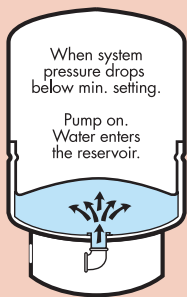


# CHAMPION

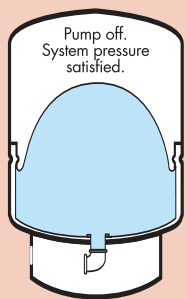
# proven design



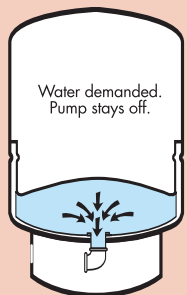
CHAMPION® tanks have a sealed in air chamber that is pre-pressurized before it leaves our factory. Air and water do not mix.



When the pump starts, water enters the CHAMPION® tank. Only usable water is stored.



When the pressure in the chamber reaches cut-out pressure, the pump stops. The CHAMPION® tank is filled.



When water is demanded, pressure in the air chamber forces water into the system. Since CHAMPION® tanks consistently deliver the maximum usable water, minimum pump starts are assured.



## CHAMPION® Characteristics

- n Durable Steel Tank/Appliance-Like Finish
- n Pre-Pressurized, Sealed-In Air Chamber
- n Butyl/EPDM Diaphragm. Isolates Water from Air
- n Separate Polypropylene Liner
- n 100% Non-Metallic Reservoir
- n 100 PSIG Maximum Working Pressure

## CHAMPION® Facts

- n Seamless Liner
- n Diaphragm never creases like bladder-tank designs
- n No bubbles or corners to trap sediment
- n Does not promote bacteria growth
- n 5 Year Limited Warranty

## Precharged Tank Selection Guide

System Flow Rate (GPM)	ESP I Minimum Running Time to Protect 3/4HP & Smaller Pumps (Approximately One Minute Run Time)			ESP II For Larger Pumps and More Economical Operation (Approximately Two Minutes Run Time)		
	20/40	30/50	40/60	20/40	30/50	40/60
5.0	CH4202	CH4202	CH4202	CH6000	CH8205	CH8205
7.0	CH4202	CH4202	CH6000	CH8205	CH10050	CH12051
10.0	CH6000	CH8205	CH8205	CH12051	CH12051	CH17255
12.0	CH8205	CH10050	CH10050	CH12051	CH17255	CH17255
15.0	CH10050	CH10050	CH12051	CH17255	CH17002	CH22050
20.0	CH12051	CH12051	CH17255	CH22050	CH22050	(2) CH17255
25.0	CH12051	CH17255	CH17002	(2) CH12051	(2) CH17255	(2) CH17002
30.0	CH17255	CH17002	CH22050	(2) CH17255	(2) CH17002	(3) CH22050
35.0	CH17002	CH22050	CH22050	(2) CH17002	(2) CH22050	(3) CH22050
40.0	CH22050	CH22050	(2) CH17255	(2) CH22050	(2) CH22050	(4) CH17002

## Vertical Models

Model No.	Dimensions		Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
	Diameter (ins)	Height (ins)			20/40 (gals)	30/50 (gals)	40/60 (gals)	
CH4202	15 <sup>3</sup> / <sub>8</sub>	31 <sup>5</sup> / <sub>8</sub>	20.0	0.57	8.0	6.8	5.9	33
CH6000	15 <sup>3</sup> / <sub>8</sub>	38 <sup>1</sup> / <sub>4</sub>	26.0	0.44	10.5	8.8	7.6	36
CH8003	15 <sup>3</sup> / <sub>8</sub>	46 <sup>1</sup> / <sub>2</sub>	32.0	0.35	*	10.9	9.4	43
CH8205	22	29 <sup>5</sup> / <sub>8</sub>	34.0	1.00	13.7	11.6	10.0	61
CH10050	22	36	44.0	0.77	17.7	15.0	12.9	69
CH12051	22	46 <sup>3</sup> / <sub>4</sub>	62.0	0.55	24.9	21.1	18.2	92
CH17255	22	56 <sup>3</sup> / <sub>8</sub>	81.0	0.41	32.6	27.5	23.8	103
CH17252	22	62 <sup>1</sup> / <sub>4</sub>	86.0	0.39	34.6	29.2	25.3	114
CH17002	26	47 <sup>1</sup> / <sub>4</sub>	86.0	0.54	34.6	29.2	25.3	123
CH22050	26	61 <sup>7</sup> / <sub>8</sub>	119.0	0.39	47.8	40.5	35.0	166

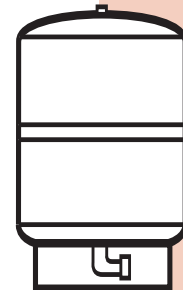
For Models CH4202 through CH8003, Precharge Pressure is 30 PSIG and System Connection is 1" NPTF.

For all other Models, Precharge Pressure is 38 PSIG and System Connection is 1 1/4" NPTF.

\* Not recommended.

NOTES: Maximum Operating Temperature: 200° F. Maximum Operating Pressure: 100 psi.

All Models listed above are covered by a 5 year limited warranty. System drawdown is the amount of water stored in the tank between pump shut-down and pump start-up, and can be affected by various ambient and system conditions including temperature and pressure.





Ask for Quality. Ask for AMTROL®.

 <p><b>AMTROL INC.</b></p> <p><a href="http://www.amtrol.com">www.amtrol.com</a></p>	<p><b>Corporate Headquarters</b></p> <p>1400 Division Road West Warwick, RI 02893 Telephone: 401-884-6300 Fax: 401-884-5276</p>	<p><b>AMTROL Canada, Ltd.</b></p> <p>275 Shoemaker Street Kitchener, Ontario N2E 3B3 Telephone: 519-748-1138 Fax: 519-748-4231</p>	   
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