



Submittal Data

PH & WHV Series

Thermal Expansion Tanks

Job Name: _____ Schedule #: _____

Location: _____ Model #: _____

Engineer: _____ Representative: _____

Contractor: _____

Materials of Construction

Shell: Drawn steel w/ epoxy finish

Diaphragm: Butyl rubber (PH) w/ copolymer polypropylene lower water chamber (WHV)

Connection: PH Series-3/4" MNPT
WHV Series-1" or 1 1/4" FNPT

Ratings

Max. Working Pressure: 150 PSI

Max. Working Temp: 200 F

Pre-Charge (adjustable): 40 PSI

Description

The **PH series** eliminates the problem of nuisance cycling of the safety relief valve when a backflow preventer or check valve is present in a domestic hot water system. Utilizing Flexcon's all butyl diaphragm system, they provide a reservoir for expanded water volume and help to prevent dangerous over-pressurization. The diaphragm is permanently separated from the tanks air charge. The PH tanks also feature a stainless steel system connection for maximum corrosion resistance.

The **WHV series** is designed for larger potable water systems. It features our patented CAD2 diaphragm design and a stainless steel system connection



PH Series: IAPMO & NSF 61 Listed

WHV Series: NSF 61 Listed

Note: PH & WHV series tanks are certified to NSF Standard 61 cold but are suitable for temperatures up to 200 F

Tank Specifications

Model	Volume (gallons)	Max. Acceptance Volume (gallon)	System Connection (inches)	Dimensions (inches)		Weight (lbs)
				Diameter	Height	
PH 5	2.1	1	3/4 MNPT	8	11.6	5
PH 12	4.8	2.5	3/4 MNPT	11	14.5	10
PH 25	9	4.5	3/4 MNPT	12.5	19.2	11.5
WHV 50	15	6	1 FNPT	16	21.7	32
WHV 75	20	8	1 FNPT	16	28.8	39
WHV 120	32	14.4	1 1/4 FNPT	21	27.8	60
WHV 165	44	17.7	1 1/4 FNPT	21	36.2	72
WHV 320	85	34	1 1/4 FNPT	21	62.0	123

