



Submittal Data

PH & WHV Series

Thermal Expansion Tanks

Job Name: _____ Schedule #: _____
 Location: _____ Model #: _____
 Engineer: _____ Representative: _____
 Contractor: _____

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 tank's 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. Like the WH tank, it features our patented CAD2 diaphragm design and a stainless steel system connection.

Materials of Construction

Shell: Drawn Steel w/ Epoxy Finish
 Diaphragm: Butyl Rubber
 Connection: PH Series 3/4" MNPT
 WHV Series 1" or 1 1/4" FNPT

Ratings

Maximum Working Pressure 150 PSI
 Pre-charge (Adjustable) 40 PSI

WHV Series
NSF 61 Listed



PH Series
IAPMO & 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 | Capacity Gallons | Maximum Acceptance Volume | System Conn. | Dimensions (inches) | | Weight (lbs) |
|--------|------------------|---------------------------|--------------|---------------------|--------|--------------|
| | | | | Diameter | Height | |
| PH 5 | 2.1 | 1.0 | 3/4" MNPT | 8.0 | 11.6 | 5.0 |
| PH 12 | 4.5 | 2.5 | 3/4" MNPT | 11.0 | 14.5 | 10.0 |
| PH 25 | 9.0 | 4.5 | 3/4" MNPT | 12.5 | 19.2 | 11.5 |
| WHV 50 | 15 | 6.0 | 1" FNPT | 16 | 21.7 | 32 |
| WHV 75 | 20 | 8.0 | 1" FNPT | 16 | 28.8 | 39 |
| WHV120 | 32 | 14.4 | 1" FNPT | 21 | 27.8 | 60 |
| WHV165 | 44 | 17.7 | 1 1/4" FNPT | 21 | 36.2 | 72 |
| WHV320 | 81 | 32.6 | 1 1/4" FNPT | 21 | 62.0 | 123 |



300 Pond St
 Randolph, MA
 781.986.2424
 Fax 781.986.2029
www.flexconind.com