



WHV expansion tanks, they can take the heat!

If you're looking for the ultimate in hot water pressure protection, look no further. FLEX 2 PRO WHV with exclusive CAD-2 diaphragm is it.

WHV potable water expansion tanks are designed to maintain safe pressure in domestic water systems that utilize a back flow preventer or check valve.

WHV, it just doesn't get any hotter than this!



WHV

16 - gauge solid steel tank, finished with highest quality urethane paint to stand up to the dampest basement or crawl space.

Pressure tested and backed with a 5-year limited warranty.

CAD-2 CAD-2 diaphragm technology: strong, 100% butyl diaphragm and copolymer polypropylene lower water chamber for maximum water and air separation.

Steel clench ring regulates movement and prevents diaphragm from rubbing against tank wall.

Condensation-reducing design virtually eliminates external corrosion.

AIR GAP TECHNOLOGY CAD-2 diaphragm isolates the tank bladder from the tanks inner wall. The resulting air gap provides an insulating barrier, virtually eliminating external tank condensation.



Patented, welded, stainless steel water connection has separate air and water seals.



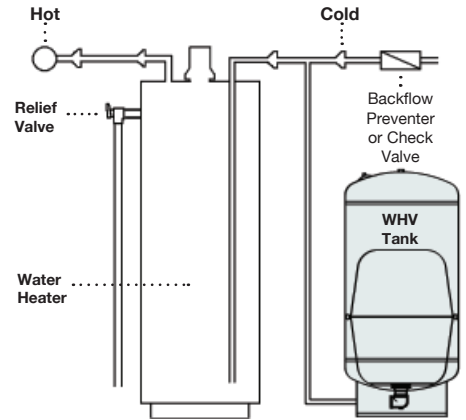
WHV SERIES

Potable Water Expansion Tanks

MATERIALS OF CONSTRUCTION

- **Tank:** 16-gauge cold rolled steel
- **Finish:** Appliance-quality paint for indoor or outdoor installation
- **Water chambers:** Top diaphragm is 100% butyl rubber, lower water chamber is anti-microbial, copolymer polypropylene
- **Connection:** Welded stainless steel NPT thread
- **Air valve:** Brass valve with O-ring seal
- **Testing:** High pressure, seam weld, helium, final precharge check
- **Warranty:** 5 year Limited

TYPICAL INSTALLATION



DIMENSIONS & CAPACITIES

| Model | Capacity Gallons | Maximum Acceptance Volume | Dimensions | | C Connection | Weight |
|---------|------------------|---------------------------|------------|------------|--------------|--------|
| | | | A Height | B Diameter | | |
| WHV 50 | 14.0 | 6.3 | 21.7 | 16.0 | 1" FNPT | 32.0 |
| WHV 75 | 20.0 | 9.0 | 28.8 | 16.0 | 1" FNPT | 39.0 |
| WHV 120 | 32.0 | 14.4 | 27.8 | 21.0 | 1 1/4" FNPT | 60.0 |
| WHV 165 | 44.0 | 19.8 | 36.2 | 21.0 | 1 1/4" FNPT | 72.0 |
| WHV 320 | 85.0 | 38.3 | 44.4 | 26.0 | 1 1/4" FNPT | 140.0 |

Maximum working pressure 150 PSI. Factory pre-charge 40 PSI. Maximum working temperature 200° F - 93° C. Note: WHV Series tanks are certified to NSF Standard 61 Cold, but are suitable for temperatures up to 200° F - 93° C.

QUICK SIZING CHART

| Water Heater Size/Volume | Maximum Water Temperature | | | |
|--------------------------|---------------------------|----------------|----------------|----------------|
| | 130° F - 54° C | 140° F - 60° C | 160° F - 71° C | 180° F - 82° C |
| 175 GALLONS | 6.8 | 25.8 | 5.9 | 22.3 |
| 200 GALLONS | 10.9 | 41.3 | 9.4 | 35.7 |
| 240 GALLONS | 11.3 | 42.6 | 9.7 | 36.8 |
| 260 GALLONS | 15.0 | 56.8 | 13.0 | 49.1 |
| 280 GALLONS | 21.1 | 80.0 | 18.3 | 69.2 |
| 300 GALLONS | 27.6 | 104.5 | 23.9 | 90.4 |
| 350 GALLONS | 29.0 | 109.7 | 25.1 | 94.9 |
| 400 GALLONS | 40.6 | 153.6 | 35.1 | 132.9 |

