



No other well tank can compete at this price point.

Engineered with contractors' needs in mind, Challenger well tanks deliver CAD-2 technology (Flexcon's famous controlled action diaphragm system) at a very affordable price. And to put the icing on the cake, Challenger is now equipped with our new antimicrobial liner on the lower half of the water chamber!

In short, you get superior air and water separation, incredible durability, and unmatched performance all at an unbeatable price!



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

CAD-2

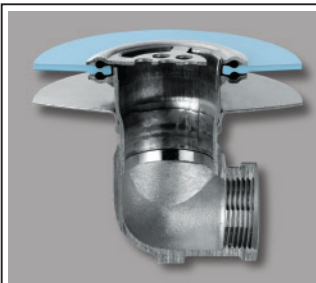
CAD-2 diaphragm technology: strong, 100% butyl diaphragm and copolymer polypropylene lower water chamber for maximum water and air separation.

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

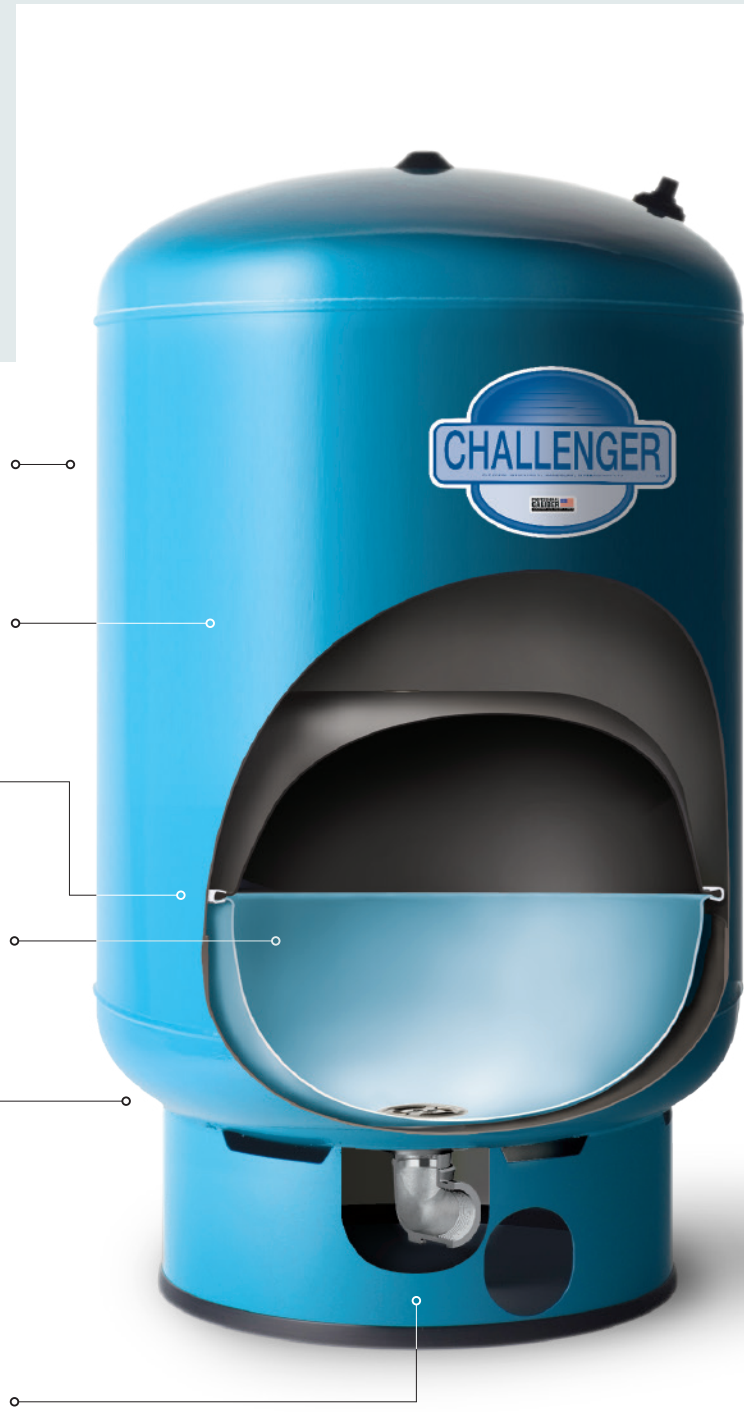


Every Flexcon CAD-2 tank has a silver-ion-infused antimicrobial liner to help eliminate possible water born health hazards.

Condensation-reducing design virtually eliminates external corrosion.

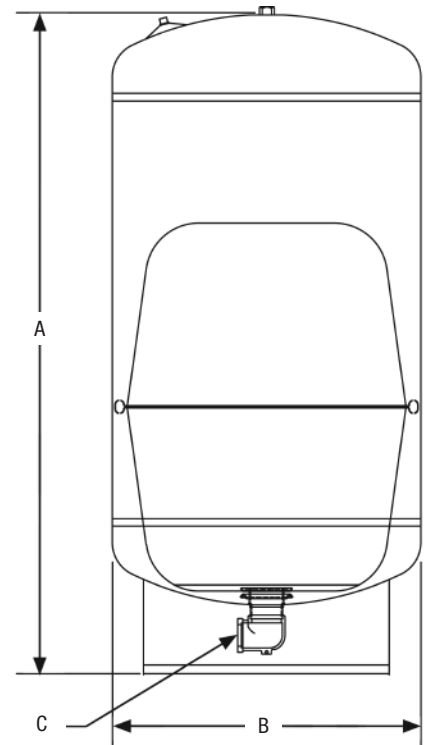


Patented, welded, steel water connection has separate air and water seals.





PC/CAD-2 Well Tank



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 steel NPT thread
- **Air valve:** Brass valve with O-ring seal
- **Testing:** High pressure, seam weld, helium, final precharge check
- **Warranty:** 5 year



DIMENSIONS & CAPACITIES

| Model | Total Tank Volume | | A Height | | B Diameter | | C Connection | Total Weight | |
|--------|-------------------|--------|----------|--------|------------|-------|--------------|--------------|-------|
| | gal | liters | in | cm | in | cm | | lbs | kilos |
| PC 44 | 14 | 60 | 22 | 55.88 | 16 | 40.64 | 1" NPT | 28.0 | 12.7 |
| PC 66 | 20 | 80 | 29 | 73.66 | 16 | 40.64 | 1" NPT | 36.0 | 16.3 |
| PC 88 | 26 | 100 | 34.5 | 87.63 | 16 | 40.64 | 1" NPT | 41.0 | 18.6 |
| PC 111 | 32 | 120 | 27.75 | 70.48 | 21 | 53.34 | 1 1/4" NPT | 54.0 | 24.5 |
| PC 122 | 33.4 | 130 | 42.75 | 108.58 | 16 | 40.64 | 1 NPT | 49.0 | 22.2 |
| PC 144 | 44 | 170 | 36.25 | 92.07 | 21 | 53.34 | 1 1/4" NPT | 67.0 | 30.4 |
| PC 211 | 62 | 240 | 48 | 121.92 | 21 | 53.34 | 1 1/4" NPT | 82.0 | 37.2 |
| PC 244 | 81 | 310 | 62 | 157.48 | 21 | 53.34 | 1 1/4" NPT | 99.0 | 44.9 |
| PC 266 | 85 | 325 | 44.5 | 113.03 | 26 | 66.04 | 1 1/4" NPT | 121.0 | 54.9 |
| PC 366 | 119 | 450 | 59.75 | 151.76 | 26 | 66.04 | 1 1/4" NPT | 153.0 | 69.5 |

Maximum working pressure 125 psig. Maximum working temperature, internal & external 140° F. Tank pre-charge 38 psig.

QUICK SIZING CHART

| Model | Total Tank Volume | | Total Drawdown* | | | | | |
|--------|-------------------|--------|-----------------|--------|-------|--------|-------|--------|
| | gal | liters | 20/40 | | 30/50 | | 40/60 | |
| | gal | liters | gal | liters | gal | liters | gal | liters |
| PC 44 | 14 | 60 | 5.6 | 21.4 | 4.8 | 18.1 | 4.1 | 15.6 |
| PC 66 | 20 | 80 | 8.1 | 30.5 | 6.8 | 25.8 | 5.9 | 22.3 |
| PC 88 | 26 | 100 | 10.5 | 39.7 | 8.9 | 33.6 | 7.7 | 29.0 |
| PC 111 | 32 | 120 | 12.9 | 48.8 | 10.9 | 41.3 | 9.4 | 35.7 |
| PC 122 | 33.4 | 130 | 13.3 | 50.3 | 11.3 | 42.6 | 9.7 | 36.8 |
| PC 144 | 44 | 170 | 17.7 | 67.1 | 15.0 | 56.8 | 13.0 | 49.1 |
| PC 211 | 62 | 240 | 25.0 | 94.6 | 21.1 | 80.0 | 18.3 | 69.2 |
| PC 244 | 81 | 310 | 32.6 | 123.6 | 27.6 | 104.5 | 23.9 | 90.4 |
| PC 266 | 85 | 325 | 34.3 | 129.7 | 29.0 | 109.7 | 25.1 | 94.9 |
| PC 366 | 119 | 450 | 48.0 | 181.5 | 40.6 | 153.6 | 35.1 | 132.9 |

*Total drawdown assumes tank pre-charge set at 2 psi below cut-in pressure. Drawdown can be affected by many factors, including temperature, pressure, and elevation.

