

No other well tank can compete at this price point.

Engineered with contractors' needs in mind, affordable Challenger well tanks are built with CAD-2 technology (Flexcon's famous controlled action diaphragm system). 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.

Water chamber is independent of tank walls, allowing diaphragm to be properly sized for each tank.

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

CAD-2

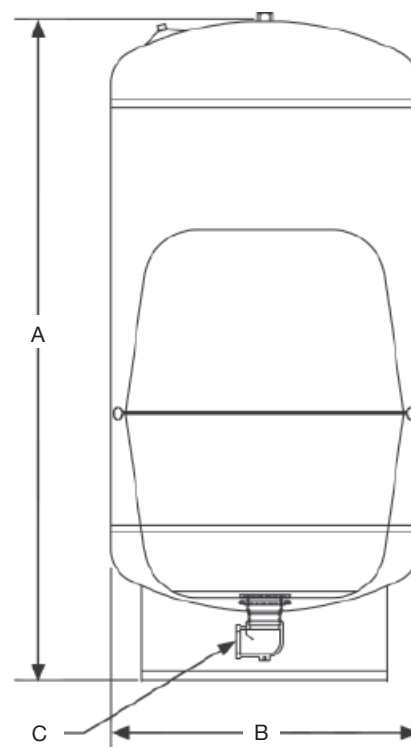
CAD-2 diaphragm technology: strong, 100% butyl diaphragm and copolymer polypropylene lower water chamber for maximum water and air separation.

Condensation-reducing design virtually eliminates external corrosion.





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 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



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	liter
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.

