

Bar none, this is the worlds toughest well tank!

Outdoor installations demand a tank that can withstand intense UV exposure, rain and everything else nature has to offer.

Sealed with 8-10 mils of high mastic (solids) epoxy coating, and a two-part urethane finish, Challenger FR series has the best salt spray and UV characteristics available on the market.



16 - gauge solid steel tank, with 8-10 mil high mastic (solids) epoxy coating, and a two-part urethane finish.

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

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.



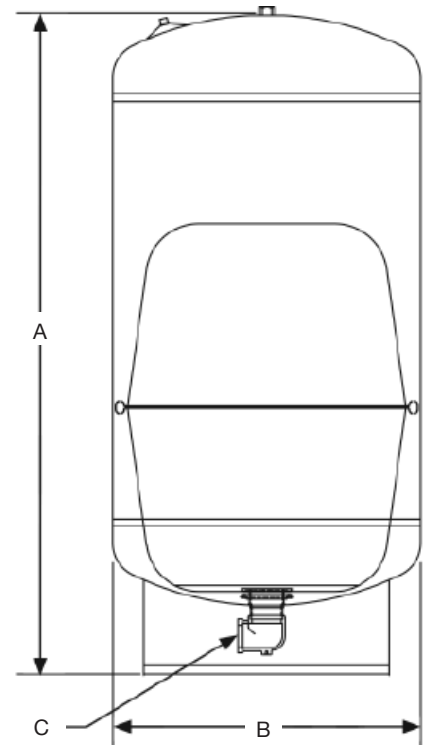


PC OUTDOOR SERIES

Well Tank

MATERIALS OF CONSTRUCTION

- **Tank:** 16-gauge cold rolled steel
- **Finish:** 8-10 mil high mastic (solids) epoxy coating, and a two-part urethane finish
- **Water chambers:** Top chamber is 100% butyl rubber, lower water chamber is copolymer polypropylene
- **Connection:** Stainless steel
- **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 FR	14	60	22	55.88	16	40.64	1" NPT	28.0	12.7
PC 66 FR	20	80	29	73.66	16	40.64	1" NPT	36.0	16.3
PC 88 FR	26	100	34.5	87.63	16	40.64	1" NPT	41.0	18.6
PC 111 FR	32	120	27.75	70.48	21	53.34	1 1/4" NPT	54.0	24.5
PC 122 FR	33.4	130	42.75	108.58	16	40.64	1" NPT	49.0	22.2
PC 144 FR	44	170	36.25	92.07	21	53.34	1 1/4" NPT	67.0	30.4
PC 211 FR	62	240	48	121.92	21	53.34	1 1/4" NPT	82.0	37.2
PC 244 FR	81	310	62	157.48	21	53.34	1 1/4" NPT	99.0	44.9
PC 266 FR	85	325	44.5	113.03	26	66.04	1 1/4" NPT	121.0	54.9
PC 366 FR	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 FR	14	60	5.6	21.4	4.8	18.1	4.1	15.6
PC 66 FR	20	80	8.1	30.5	6.8	25.8	5.9	22.3
PC 88 FR	26	100	10.5	39.7	8.9	33.6	7.7	29.0
PC 111 FR	32	120	12.9	48.8	10.9	41.3	9.4	35.7
PC 122 FR	33.4	130	13.3	50.3	11.3	42.6	9.7	36.8
PC 144 FR	44	170	17.7	67.1	15.0	56.8	13.0	49.1
PC 211 FR	62	240	25.0	94.6	21.1	80.0	18.3	69.2
PC 244 FR	81	310	32.6	123.6	27.6	104.5	23.9	90.4
PC 266 FR	85	325	34.3	129.7	29.0	109.7	25.1	94.9
PC 366 FR	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.

