THE OUTDOOR CHALLENGER, BUILT TO WITHSTAND WHATEVER MOTHER NATURE HAS TO THROW AT IT.

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.

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

Condensation reducing design virtually eliminates external corrosion.

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

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, this series has the best salt spray and UV characteristics available on the market.

Challenger water tanks feature CAD-2 technology (Flexcon's famous controlled action diaphragm system) at a very affordable price. In short, you get superior air and water

CONTROLLED ACTION DIAPHRAGM MAXIMIZES DRAWDOWN & ELIMINATES ABRASION

separation and unmatched performance.

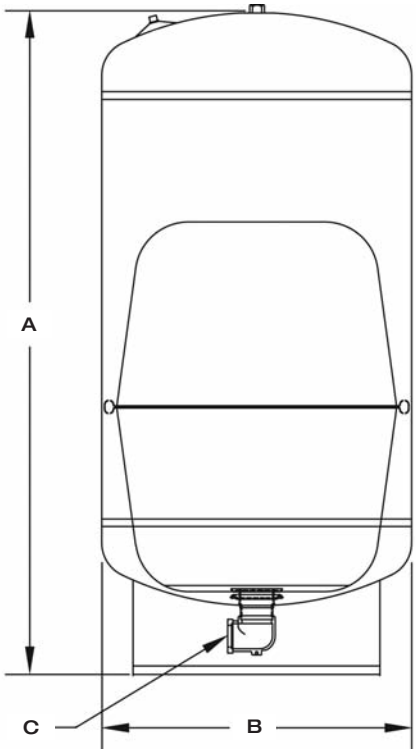
Our patented manufacturing technique allows Flexcon to properly size the diaphragm in a full range of sizes from 14 to 119 gallons. Every Challenger tank undergoes a seam-weld test, high-pressure test, and is subjected to our famous helium test. Before leaving the factory, a final air charge check insures each tank arrives at the job site with the correct pre-charge.

What's more, Flexcon stands behind every Challenger tank with a five-year warranty.

FLEXCON INDUSTRIES

The Reliable Source®

CHALLENGER PC OUTDOOR SERIES



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

NSF Certified to NSF/ANSI 61

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	150.49	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* 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.

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