

Submittal Data

Challenger Outdoor Series

Water System Tanks

Job Name: _____ Schedule #: _____

Location: _____ Model #: _____

Engineer: _____ Representative: _____

Contractor: _____

Description

Challenger Outdoor series tanks are diaphragm type, pre-charged hydro-pneumatic tanks designed for outdoor applications for residential and commercial water well, pressure booster, and irrigation systems. FR tanks feature our best paint finish for maximum outdoor performance.



Materials of Construction

Shell: Drawn steel w/ epoxy finish

Diaphragm: Butyl rubber w/ copolymer polypropylene lower water chamber

Connection: Stainless steel FPT

Ratings

Max. Working Pressure: 125 PSI

Max. Working Temp: 140 F

Pre-Charge (adjustable): 38 PSI



Tank Specifications

Model	Diameter (inches)	Height (inches)	System Connection (inches)	Volume (gallons)	Drawdown (gallons)			Weight (lbs)
					20/40	30/50	40/60	
PC 44 FR	16	22	1	14	5.6	4.8	4.1	28
PC 66 FR	16	29	1	20	8.1	6.8	5.9	36
PC 88 FR	16	34.5	1	16	10.5	8.9	7.7	41
PC 111 FR	21	27.75	1 ¼	32	12.9	10.9	9.4	54
PC 122 FR	16	42.75	1	33.4	13.3	11.3	9.7	49
PC 144 FR	21	36.25	1 ¼	44	17.7	15.0	13.0	67
PC 211 FR	21	48	1 ¼	62	25.0	21.1	18.3	82
PC 244 FR	21	62	1 ¼	81	32.6	27.6	23.9	99
PC 266 FR	26	44.5	1 ¼	85	34.3	29.0	25.1	121
PC 366 FR	26	59.75	1 ¼	119	48.0	40.6	35.1	153

