

Challenger “I” Series Pressure Tanks

The Challenger I Series tanks combine high performance and designer appeal. The almond-colored two-part polyurethane paint finish over an epoxy undercoating provides hundreds of hours of UV and salt spray protection. Efficient and cost-effective, Challenger I Series tanks are designed with a patented controlled action, double diaphragm assembly that completely contains drawdown water in a pre-charged air atmosphere. This air buffer design means fewer problems with condensation.

Challenger I Series tanks have a threaded nut for easy installation of pump stand, a stainless steel elbow and an adjustable air charge. Clean, airtight welds are achieved using the most modern welding equipment available. Our diaphragms are constructed with an FDA approved high grade butyl. Flexcon’s positive lock internal clench ring system cannot slip and does not rely on the tank wall. The tank contains a stainless steel port diffuser, and water connection which directs flow upward and outward while locking the lower diaphragm in place.

All of Flexcon’s quality tanks are backed by a five year written, limited warranty. Challenger tanks are quality tested at four different stages on the production line. Tests include helium and high pressure tests to ensure the structural integrity of every tank.



Challenger Pressure Tanks									
Product Number	Capacity (gal)	Tank Size		Maximum Pressure (PSI)	Drawdown (gal)			Discharge Size FNPT (in)	Approx. Weight (lbs)
		Diameter (in)	Height (in)		20/40	30/50	40/60		
PC066S	20	16	28.8	100	7.4	6.2	5.4	1	35
PC088S	26	16	36	100	9.6	8.1	7.0	1	43
PC111S	32	21	27.75	100	11.8	9.9	8.6	1	55
PC144S	44	21	36.15	100	16.3	13.6	11.9	1-1/4	66
PC211S	63	21	47.9	100	22.9	19.2	16.7	1-1/4	92
PC244S	81	21	62	100	30.0	25.1	21.9	1-1/4	101
PC266S	85	26	44.37	125	31.5	26.4	23.0	1-1/4	131
PC366S	119	26	62	125	43.6	36.8	32.1	1-1/4	160

Challenger Jet Pump Mounting Base

- Jet pump base bolt to the top of the Challenger “I” Series pressure tanks to allow a jet pump to be mounted directly to the top of the pressure tank.
- Two sizes are available. The PS1621 is a plastic mount used for the 1” discharge tanks. The PS2126 is a plastic mount used for the 1-1/4” discharge tanks.



Challenger Jet Pump Mounting Base			
Product Number	Item Description	Tanks Used With	Approx. Wt. (lbs)
PS1621	1" Pump Stand	PC066 to PC111	1
PS2126	1-1/4" Pump Stand	PC144 to PC366	1.5