



- ANSI/NSF Standard 61 Approved
- Stainless Steel Water Connection
- Controlled Action Diaphragm (CAD)
- Condensation Reducing Design
- Stainless Steel Elbow
- Two Part Urethane Paint Finish
- High Quality Brass Air Stem
- Comprehensive Testing
- 5 Year Written Limited Warranty



Welded Stainless Steel Connection

The Challenger™ "I" Series Designer Look, Tougher Performance!

The Challenger "I" Series tanks combine high performance and designer appeal. The almond-colored two-part urethane 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.





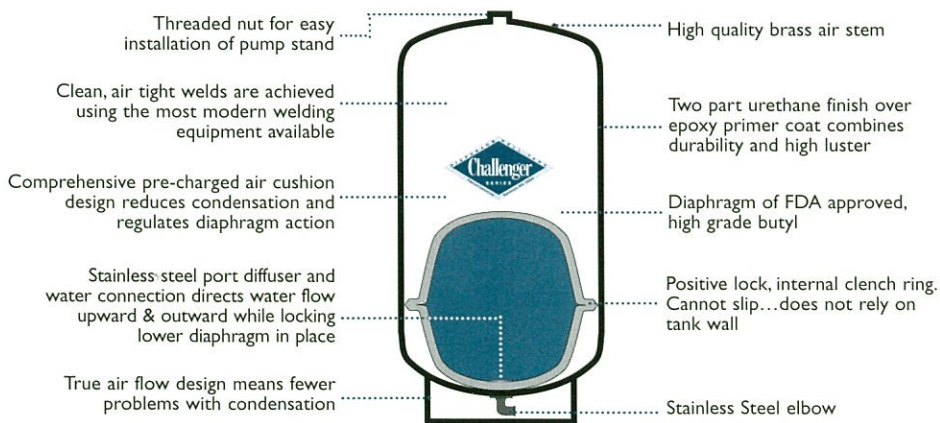
Challenger® "I" Series Models

Model #'s	Dimensions				System Connect.	Pressure Rating		Volume		Shipping (Box) Volume		Shipping (Box) Weight	
	Diameter		Height			psi	bar	gal.	liter	cu. ft.	cu. m.	lbs.	kilo.
I15-PC44	16	40.64	22	55.88	1"	125	7.4	14	60	3.62	0.10	28.0	12.7
I20-PC66	16	40.64	29	73.66	1"	125	7.4	20	80	4.73	0.13	36.0	16.3
I25-PC88	16	40.64	34.5	87.63	1"	125	7.4	26	100	5.59	0.16	41.0	18.6
I30-PC111	21	53.34	27.75	70.48	1/4"	125	7.4	32	120	7.76	0.22	54.0	24.5
I35-PC122	16	40.64	42.75	108.58	1"	125	7.4	33.4	130	6.93	0.19	49.0	22.2
I45-PC144	21	53.34	36.25	92.07	1/4"	125	7.4	44	170	10.17	0.28	67.0	30.4
I60-PC211	21	53.34	48	121.92	1/4"	125	7.4	62	240	13.64	0.38	82.0	37.2
I80-PC244	21	53.34	62	157.48	1/4"	125	7.4	81	310	16.45	0.46	99.0	44.9
I85-PC266	26	66.04	44.5	113.03	1/4"	125	7.4	85	325	18.69	0.52	121.0	54.9
I120-PC366	26	66.04	59.75	150.49	1/4"	125	7.4	119	450	26.16	0.73	153.0	69.5

All Models – 38 psi/2.6 bar pre-charge
 Maximum working temperature: All models – 140°F/55°Celsius
 Certified to ANSI/NSF 61 (73°F/23°C)

Quick Sizing Chart

Model #'s	Total Tank Volume		Drawdown					
	gal.	liters	@20/40		@30/50		@40/60	
I15-PC44	14	60	5.2	19.68	4.3	16.28	3.8	14.38
I20-PC66	20	80	7.4	28	6.2	23.47	5.4	20.44
I25-PC88	26	100	9.6	36.34	8.1	30.66	7	26.5
I30-PC111	32	120	11.8	44.66	9.9	37.47	8.6	32.55
I35-PC122	33	130	12.3	46.56	10.3	38.99	9	34.06
I45-PC144	44	170	16.3	61.7	13.6	51.48	11.9	45.04
I60-PC211	62	240	22.9	86.68	19.2	72.67	16.7	63.21
I80-PC244	81	310	30	113.55	25.1	95	21.9	82.89
I85-PC266	85	325	31.5	119.23	26.4	99.92	23	87.05
I120-PC366	119	450	43.6	165.03	36.8	139.29	32.1	121.5



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For More Information
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