



## Challenger® "I" Series Models

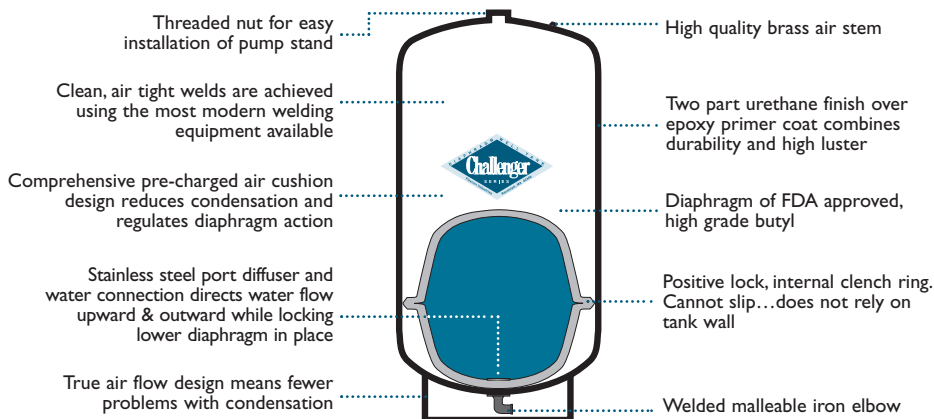
Model #'s	Dimensions				Pressure Rating		Volume		Shipping (Box) Volume		Shipping (Box) Weight		System Connection
	Diameter		Height		psi	bar	gal.	liter	cu. ft.	cu. m.	lbs.	kilo.	in.
	in.	cm.	in.	cm									
I15-PC44	16	40.64	22	55.88	125	7.4	14	60	3.62	0.10	28.0	12.7	1"
I20-PC66	16	40.64	29	73.66	125	7.4	20	80	4.73	0.13	36.0	16.3	1"
I25-PC88	16	40.64	34.5	87.63	125	7.4	26	100	5.59	0.16	41.0	18.6	1"
I30-PC111	21	53.34	27.75	70.48	125	7.4	32	120	7.76	0.22	54.0	24.5	1.25"
I35-PC122	16	40.64	42.75	108.58	125	7.4	33.4	130	6.93	0.19	49.0	22.2	1"
I45-PC144	21	53.34	36.25	92.07	125	7.4	44	170	10.17	0.28	67.0	30.4	1.25"
I60-PC211	21	53.34	48	121.92	125	7.4	62	240	13.64	0.38	82.0	37.2	1.25"
I80-PC244	21	53.34	62	157.48	125	7.4	81	310	16.45	0.46	99.0	44.9	1.25"
I85-PC266	26	66.04	44.5	113.03	125	7.4	85	325	18.69	0.52	121.0	54.9	1.25"
I120-PC366	26	66.04	59.75	150.49	125	7.4	119	450	26.16	0.73	153.0	69.5	1.25"

All Models – 38 psi/2.6 bar pre-charge  
 Maximum working temperature: All models – 140°F/55°Celsius

## Quick Sizing Chart

Model #'s	Total Tank Volume		Total Drawdown					
	gal.	liters	20/40		30/50		40/60	
	gal.	liters	gal.	liters	gal.	liters	gal.	liters
I15-PC44	14	60	5.6	21.35	4.8	18.1	4.1	15.6
I20-PC66	20	80	8.1	30.51	6.8	25.8	5.9	22.3
I25-PC88	26	100	10.5	39.66	8.9	33.6	7.7	29.0
I30-PC111	32	120	12.9	48.81	10.9	41.3	9.4	35.7
I35-PC122	33	130	13.3	50.34	11.3	42.6	9.7	36.8
I45-PC144	44	170	17.7	67.12	15.0	56.8	13.0	49.1
I60-PC211	62	240	25.0	94.57	21.1	80.0	18.3	69.2
I80-PC244	81	310	32.6	123.6	27.6	104.5	23.9	90.4
I85-PC266	85	325	34.3	129.7	29.0	109.7	25.1	94.9
I120-PC366	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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