

Pentair FRP Pressure Tank & Accessory





Developing continually , producing high-quality products with market competitiveness at worldwide range.

Dedicated in producing pressure tanks for decades years, the company now is capable of producing more than 200,000 pieces annually. The production technics is completely referring to that of PARK, a company belonging to Pentair, one of the leading companies in the world water treatment industry. Products performance has reached the most advanced level across the world.

FRP Pressure Tank

Structure and Material

- Continuous strands of fiberglass with high strength resin
- 21x62 tanks and below with ABS liner; 20x69 tanks and above with FRP liner

Features

- Completely rust and corrosion free
- Easy for installation
- High intensity and light weight
- Smooth surface

Operation Requirement

- Operation pressure $\leq 0.7\text{MPa}$ (100psi rated tank) or $\leq 1.0\text{MPa}$ (150psi rated tank)
- Operation temperature $\leq 49^{\circ}\text{C}$
- Vacuum $\leq 127\text{mmHg}$ (5"Hg)
- Operation media: water, acid, alkali and other corrosive liquid
- Storage and transportation environment: $>-27^{\circ}\text{C}$

Application Area

Water-supply and waste water treatment industry, light industry, chemical, electronic, petro-chemical, pharmaceutical, food processing etc.

Warranty

Three years from date of manufacture



Φ530 tank and below (with ABS liner)

530 tank and below with rated pressure at 150 psi has been tested and certified by WQA according to NSF/ANSI 44 Sta

NO.	Size		Volume (L)	Opening		LA(mm)	LB(mm)	LC(mm)	X(mm)	D(mm)
	(Inch)	(mm)		top	bottom					
1	7X13	φ 180X335	6.3	2.5" NPSM	\	334	320	304	198	181
2	7X17	φ 180X430	8.6	2.5" NPSM	\	428	414	398	292	181
3	7X35	φ 180X905	20.1	2.5" NPSM	\	904	890	874	768	181
4	7X44	φ 180X1130	25.6	2.5" NPSM	\	1132	1118	1102	996	181
5	8X13	φ 205X335	7.9	2.5" NPSM	\	335	321	305	181	206
6	8X17	φ 205X445	11.3	2.5" NPSM	\	446	432	416	292	206
7	8X35	φ 205X905	24.0	2.5" NPSM	\	905	891	875	751	206
8	8X44	φ 205X1130	32.5	2.5" NPSM	\	1131	1117	1101	977	206
9	9X17	φ 230X430	13.3	2.5" NPSM	\	427	413	397	256	232
10	9X35	φ 230X905	32.0	2.5" NPSM	\	905	891	875	734	232
11	9X42	φ 230X1085	39.0	2.5" NPSM	\	1085	1071	1055	914	232
12	9X48	φ 230X1230	44.7	2.5" NPSM	\	1232	1218	1202	1061	232
13	10X17	φ 255X445	17.8	2.5" NPSM	\	447	433	417	259	257
14	10X35	φ 255X905	38.6	2.5" NPSM	\	903	889	873	715	257
15	10X44	φ 255X1130	49.5	2.5" NPSM	\	1130	1116	1100	942	257
16	10X54	φ 255X1390	61.9	2.5" NPSM	\	1390	1376	1360	1202	257
17	12X48	φ 300X1235	77.3	2.5" NPSM	\	1233	1223	1203	1010	305
18	12X52	φ 300X1340	84.8	2.5" NPSM	\	1342	1332	1312	1115	305
19	12X65	φ 300X1650	106.3	2.5" NPSM	\	1650	1640	1620	1425	305
20	13X44	φ 330X1140	82.9	2.5" NPSM	\	1142	1132	1112	900	334
21	13X54	φ 330X1400	103.6	2.5" NPSM	\	1400	1390	1370	1155	334
22	14X65	φ 355X1670	145.6	2.5" NPSM	\	1671	1661	1641	1410	360
23	14X65	φ 355X1670	145.6	4" —8UN	\	1670	1661	1641	1410	360
24	16X65	φ 400X1670	187.7	2.5" NPSM	\	1672	1662	1642	1380	410
25	16X65	φ 400X1670	187.7	4" —8UN	\	1671	1662	1642	1380	410
26	18X65	φ 450X1670	237.0	4" —8UN	\	1670	1640	1612	1310	465

Φ



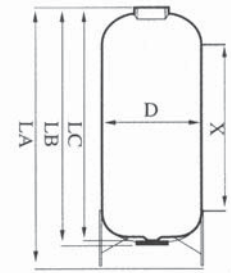
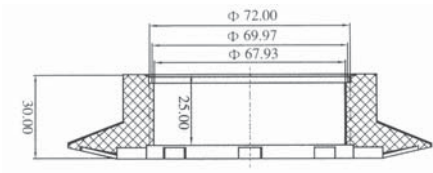
Φ500 tank and above (with FRP liner)

NO.	Size		Volume (L)	Opening		LA(mm)	LB(mm)	LC(mm)	X(mm)	D(mm)
	(Inch)	(mm)		top	bottom					
27	20X69	φ 500X1750	305	4" —8UN	\	1750	1720	1685	1360	510
28	20X69	φ 500X1750	277	4" —8UN	4" —8UN	1750	1580	1545	1220	510
29	24X72	φ 600X1850	441	4" —8UN	\	1850	1750	1715	1330	612
30	24X72	φ 600X1850	421	4" —8UN	4" —8UN	1850	1680	1645	1260	612
31	24X77	φ 600X1950	469	4" —8UN	\	1950	1850	1815	1430	612
32	24X87	φ 600X2200	520	4" —8UN	6" —8UN	2200	2030	1995	1610	612
33	30X72	φ 750X1850	676	6" —8UN	\	1850	1750	1715	1240	765
34	30X72	φ 750X1850	640	4" —8UN	4" —8UN	1850	1670	1635	1160	765
35	30X77	φ 750X1950	720	6" —8UN	\	1950	1850	1815	1340	765
36	30X87	φ 750X2200	790	4" —8UN	6" —8UN	2200	2010	1975	1500	765
37	36X72	φ 900X1850	857	4" —8UN	4" —8UN	1850	1600	1554	1000	918
38	36X94	φ 900X2400	1207	6" —8UN	\	2400	2150	2104	1550	918
39	36X94	φ 900X2400	1093	FLANGE	FLANGE	2400	2150	2044	1370	918
40	40X72	φ 1000X1850	1046	4" —8UN	4" —8UN	1850	1605	1559	945	1020
41	40X94	φ 1000X2400	1478	6" —8UN	\	2400	2155	2109	1495	1020
42	40X94	φ 1000X2400	1332	FLANGE	FLANGE	2400	2150	2044	1310	1020
43	48X72	φ 1200X1850	1202	FLANGE	FLANGE	1850	1558	1451	595	1224
44	48X94	φ 1200X2400	1824	FLANGE	FLANGE	2400	2108	2001	1145	1224
45	60X83	φ 1500X2100	2158	FLANGE	FLANGE	2100	1780	1670	630	1530
46	60X94	φ 1500X2400	2688	FLANGE	FLANGE	2400	2080	1970	930	1530
47	72X94	φ 1800X2400	3561	FLANGE	FLANGE	2400	2020	1908	700	1836

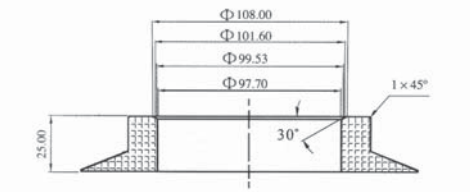
Note: No.29, 31,33,35,37 are tanks with coniform base.

Regular Top and Bottom Opening Threads/Flange

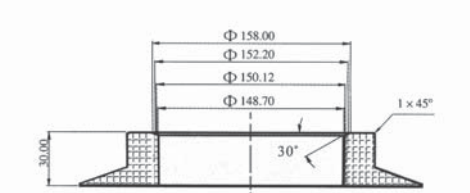
2.5"-NPSM



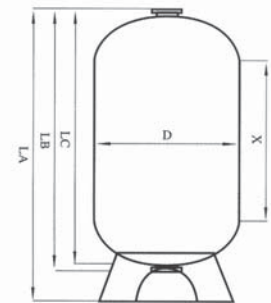
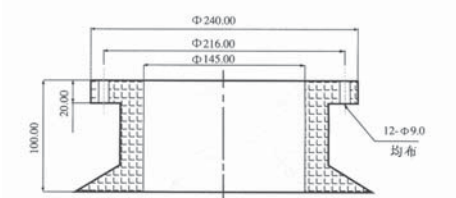
4"-8UN



6"-8UN



6"Flange



Pentair Brine Tank

Model	Volume(L)	Size(Dia.x Height)	Brine pit(Dia.x Height)	Drain Line	Brine pit rack,lid
PY-15	15	φ 200 × 500	φ 75 × 435	—	1/2" —12
PY-25	25	φ 250 × 520	φ 110 × 440	—	3/4" —12
PY-60	60	φ 330 × 750	φ 110 × 650	—	3/4" —12
PY-80	80	φ 350 × 900	φ 110 × 820	—	3/4" —12
PY-100	100	φ 400 × 850	φ 110 × 750	—	3/4" —12
PY-150	150	φ 550 × 740	φ 110 × 890	—	3/4" —12
PY-200	200	φ 520 × 1050	φ 110 × 950	3/4"	3/4" —12
PY-350	350	φ 650 × 1080	φ 160 × 970	3/4"	3/4" —12
PY-500	500	φ 800 × 1180	φ 160 × 1030	1"	1" —21
PY-800	800	φ 940 × 1280	φ 160 × 1130	1"	1" —21
PY-1000	1000	φ 1000 × 1380	φ 160 × 1230	1-1/2"	1" —21
PY-1500	1500	φ 1210 × 1500	φ 160 × 1330	1-1/2"	1" —21
PY-2000	2000	φ 1360 × 1650	φ 160 × 1530	1-1/2"	1" —21
PY-3000	3000	φ 1600 × 1760	φ 160 × 1630	1-1/2"	1" —21

Safe Clean Water

Distribution Systems

Model	Mounting Type	Distributor Type		Opening	Tank Diameter (mm)
		Top/Bottom	Distributor		
1011		part	pagoda water cap		
1012		part	thread water cap		
1402		part	4"-2.5" thread adapter	4"-8	
1601		part	6"-4" thread adapter	6"-8	
1403		part	4"- pipe plug	4"-8	
1602		part	6"- pipe plug	6"-8	
1201	Top Mount	part	1"2- port connector	2.5"	150~400
1401	Top Mount	part	2"2- port connector	4"-8	500~1000
2201	Top Mount	T	3/4"water cap		<250
2202	Top Mount	B	3/4" water cap		<250
2203	Top Mount	T	disc water cap		300~400
2204	Top Mount	B	disc water cap		300~400
2205	Top Mount	T	3/4" fleck water cap		<400
2206	Top Mount	B	3/4" fleck water cap		<400
5401	Top Mount	T	1.2" hub		400~750
5402	Top Mount	T	1.5" hub		400~1000
6001	Top Mount	B	1.2" water cap		400~750
6002	Top Mount	B	1.5" water cap		400~1000
6003	Top Mount	B	1.2" disc water cap		350~750
6004	Top Mount	B	1.5" disc water cap		350~1000
6010	Top Mount	B	lateral		350~400
8410	Side Mount	B	lateral	4"-8	350~400
7401	Side Mount	T	diffuser	4"-8	350~900
8411	Side Mount	B	lateral	4"-8	450~500
6011	Top Mount	B	lateral		450
8801	Side Mount	B	lateral	6" Flange	550~600
7801	Side Mount	T	diffuser	6" Flange	500~1200
6012	Top Mount	B	lateral		500~600
8413	Side Mount	B	lateral	4"-8	600
8613	Side Mount	B	lateral	6"-8	600
7601	Side Mount	T	2" disc	6"-8	750~900
7602	Side Mount	T	3" disc	6"-8	1000~1200
7603	Side Mount	T	4" disc	6"-8	1000~1200
8802	Side Mount	B	lateral	6" Flange	750
8450	Side Mount	B	lateral	4"-8	750
8650	Side Mount	B	lateral	6"-8	750
6801	Top Mount	B	lateral	6"	750
6401	Top Mount	B	lateral	4"-8	750
8451	Side Mount	B	lateral	4"-8	900
8651	Side Mount	B	lateral	6"-8	900
8803	Side Mount	B	lateral	6" Flange	900
6802	Top Mount	B	lateral	6"	900
6402	Top Mount	B	lateral	4"-8	900
7803	Side Mount	T	3" disc	6" Flange	900
7804	Side Mount	T	3" disc	6" Flange	1000~1200
6805	Top Side Inlet	B	16lateral		1000
8804	Side Mount	B	lateral	6" Flange	1000
6803	Top Side Inlet	B	lateral		1000
7802	Side Mount	T	3diffuser	6" Flange	1000~1200
8805	Side Mount	B	16lateral	6" Flange	1200
6806	Top Side Inlet	B	16lateral		1200
6804	Top Side Inlet	B	lateral		1200
8806	Side Mount	B	10 thick lateral	6" Flange	1500
8807	Side Mount	B	10 thick lateral	6" Flange	1800
5601	Top Mount	T	disc/hub	6"-8/4"-8 riser tube ϕ 50	450~750
5602	Top Mount	T	disc/hub	6"-8/4"-8 riser tube ϕ 63	500~1200



Model Instruction:

Part	1XXX
Water cap	2XXX
Top mount, top distributor	5XXX
Top mount, bottom distributor	6XXX
Side mount, top distributor	7XXX
Side mount, bottom distributor	8XXX

2nd Number:

- 2: 2.5NPSM thread
- 4: 4" - 8UN thread
- 6: 6" - 8UN thread
- 8: 6" flange

Safe Clean Water



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