PENTAIR

POLY GLASS & COMPOSITE TANK AND ACCESSORIES

PENTAIR

About Pentair

Pentair (www.pentair.com) is a global diversified industrial company headquartered in Minneapolis, Minnesota. Its Water Group is a global leader in providing innovative products and systems used worldwide in the movement, treatment, storage and enjoyment of water. With revenues of about $3 billion, Pentair employs approximately 14,500 people worldwide.

Pentair has more than 50 years experience in manufacturing FRP pressure vessels, and has STRUCTURE、PARK and WEELMATE three famous brands. After acquired PENTAIR JIEMING, Pentair start to manufacture FRP pressure vessels in China. Nowadays in SUZHOU factory Pentair manufacture PENTAIR and PARK brand pressure tanks.

ABOUT PENTAIR SUZHOU FACILITY

Pentair Suzhou facility is a center for Pentair Water's manufacturing and was set up in 2001. Pentair invested $3M to set up the World Class Research and Development Laboratory in Suzhou to support the Asia Pacific region with advanced manufacturing equipment. The Suzhou facility uses advanced engineering and testing capabilities to develop Pressure Tanks, Valves, Pumps, Membrane elements and various water filtering and purification equipment. Suzhou employs more than 500 people and most of the office employee received a college or higher education.

As a pressure tank manufacturer, the Suzhou facility is able to produce 200,000 pressure tanks annually reaching the international quality standard.

Suzhou factory，China

Chardon factory，Ohio USA

Goa factory，Goa India

The pressure vessels brands in Pentair

Pentair	PARK Pentair Water	STRUCTURAL Pentair Water
(100psi&150psi)	(150psi)	(150psi)

Sales network

ABS liner pressure tanks 7"-21"

Structure and material

- Inner shell of ABS
- Continuous strands of fiberglass with high strength resin
- Base material：—7"-16" PP plastic
  —18"-21" FRP composite

Product features

- Completely rust and corrosion resistance
- Blow molded ABS inner shell, seal-less
- High strength and light weight
- Easy transportation and installation

Operating parameters

- Maximum operating pressure：10.2 bar (150 psi)
- Maximum operating temperature ：49℃（120°F）
- Maximum vacuum ： 127mmHg（5"Hg）
- Storage temperature ＞-27℃(-16.6 F)

Design parameters

- Safety factor ： 4:1
- Minimum burst pressure：40.8 bar (600 psi)
- Test up to 100,000 cycles without leakage

Dedicated to producing pressure tanks for decades,serving both residential and commercial applications.Our exclusive manufacturing process utilizing techniques similar to the Pentair PARK brand provides for a high quality products with world class performance.

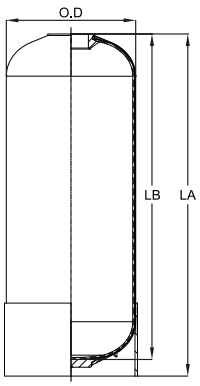
All ABS liner pressure vessels are warranted to be free from defects in materials and workmanship for a period of 3 years from the date of manufacture is the vessel is operated within the prescribed pressure and temperature ratings stated on the tank label.

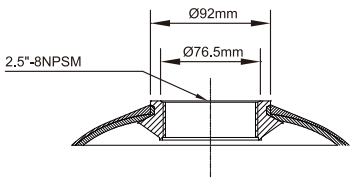
ABS liner pressure tanks 7"-21"

NO.	Spec.	VOL.	INLET		Height		Height Tolerance	O.D	O.D Tolerance	Weight	Base
		L	Top	Bottom	LA mm	LB mm	mm	mm	mm	kg	
1	713,2.5T,PP BASE	6.3	2.5" NPSM	\	334	320		182		1.4	PP
2	717,2.5T,PP BASE	8.6	2.5" NPSM	\	428	414		182		1.6	PP
3	735,2.5T,PP BASE	20.1	2.5" NPSM	\	904	890		182		2.8	PP
4	744,2.5T,PP BASE	25.6	2.5" NPSM	\	1132	1118		182		3.4	PP
5	813,2.5T,PP BASE	7.9	2.5" NPSM	\	335	321		207		1.6	PP
6	817,2.5T,PP BASE	11.3	2.5" NPSM	\	446	432		207		1.9	PP
7	835,2.5T,PP BASE	24.0	2.5" NPSM	\	905	891		207		3.2	PP
8	844,2.5T,PP BASE	32.5	2.5" NPSM	\	1131	1117		207		3.9	PP
9	917,2.5T,PP BASE	13.3	2.5" NPSM	\	427	413		232		3.1	PP
10	935,2.5T,PP BASE	32.0	2.5" NPSM	\	905	891		232	± 2.54	3.9	PP
11	942,2.5T,PP BASE	39.0	2.5" NPSM	\	1085	1071		232		4.5	PP
12	948,2.5T,PP BASE	44.7	2.5" NPSM	\	1232	1218		232		4.8	PP
13	1017,2.5T,PP BASE	17.8	2.5" NPSM	\	447	433	± 6.35	257		2.5	PP
14	1035,2.5T,PP BASE	38.6	2.5" NPSM	\	903	889		257		4.5	PP
15	1044,2.5T,PP BASE	49.5	2.5" NPSM	\	1130	1116		257		5.6	PP
16	1054,2.5T,PP BASE	61.9	2.5" NPSM	\	1390	1376		257		6.5	PP
17	1248,2.5T,PP BASE	77.3	2.5" NPSM	\	1233	1223		307		8	PP
18	1252,2.5T,PP BASE	84.8	2.5" NPSM	\	1342	1332		307		8.5	PP
19	1265,2.5T,PP BASE	106.3	2.5" NPSM	\	1650	1640		307		11.8	PP
20	1344,2.5T,PP BASE	82.9	2.5" NPSM	\	1142	1132		334		8.4	PP
21	1354,2.5T,PP BASE	103.6	2.5" NPSM	\	1400	1390		334		9.5	PP
22	1465,2.5T,PP BASE	145.6	2.5" NPSM	\	1671	1661		360	± 5.08	13.3	PP
23	1465,4T,PP BASE	145.6	4" –8UN	\	1670	1661		360		13.9	PP
24	1665,2.5T,PP BASE	187.7	2.5" NPSM	\	1672	1662		410		17.3	PP
25	1665,4T,PP BASE	187.7	4" –8UN	\	1671	1662		410		17.9	PP
26	1865,4T,SMC BASE	237.0	4" –8UN	\	1670	1640		465		27.1	SMC
27	2162,4T,SMC BASE	312.0	4" –8UN	\	1690	1580	± 12.7	540	± 6.35	38.5	SMC
28	2162,4T4B,SMC BASE	312.0	4" –8UN	4" –8UN	1820	1570		540		40.0	SMC
29	2162,4T4B,TRIPOD BASE	312.0	4" –8UN	4" –8UN	1990	1570		540		42.0	TRIPOD

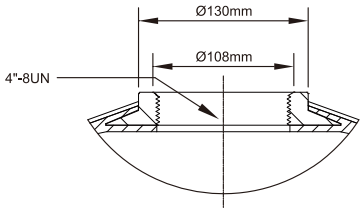
* The weight is reference for transportation

**Color options: Natural、Blue、Gray、Black





2.5″NPSM



4″–8UN

ABS liner 150Psi are certified by WQA according to NSF/ANSI44 Standard.
ABS liner tanks are certified by MOH.

PE liner tank 24" – 63"

Structure and material

- Inner shell of Poly ethylene
- Continuous strands of fiberglass with high strength resin
- Base material FRP

Product features

- For commercial and industrial water treatment and storage
- 100% Composite fiberglass construction
- Outstanding performance and durability in harsh chemical environments
- Rotomolded liners and stronger RTM/SMC bases

Operating parameters

- Maximum operating pressure :1.02bar (150Psi)
- Maximum operating temperature: Flange inlet tank 65℃ (150°F)
  Thread inlet tank 49℃ (120°F)
- Maximum vacuum :127mmHg (5"Hg)
- Storage temperature:>–27℃ (–16.6°F)

Design parameters

- Safety factor : 4:1
- Minimum burst pressure : 40.8bar (600Psi)
- Test up to 250,000 cycles without leakage

PE liner tanks with its excellent corrosion resistance performance and high intensity, light weight characteristic, have been widely applied in lots of industry areas. Such as light industry; chemical industry; electronical industry; petrochemical industry; pharmacy; food ect.

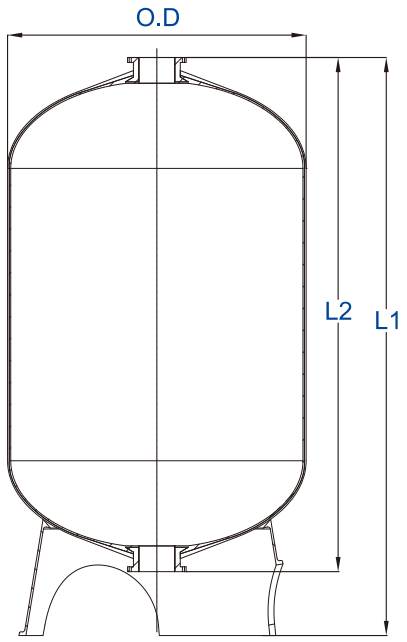
All PE liner pressure vessels are warranted to be free from defects in materials and workmanship for a period of 5 years from the data of manufacture

PE liner tank 24"—63"

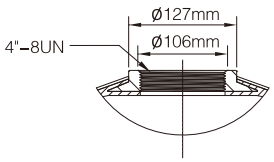
NO.	Spec.	VOL.	INLET		Height		Height Tolerance	O.D	O.D Tolerance	Weight	Base
		L	Top	Bottom	L1 mm	L2 mm	mm	mm	mm	kg	
1	2472, 4T, SMC BASE	450	4"– 8UN	\	1884	1781		616		63.05	SMC
2	2472, 4T4B, TRIPOD BASE	450	4"– 8UN	4"– 8UN	2217	1786		624.8		63.05	TRIPOD
3	3072, 4T, SMC BASE	708	4"– 8UN	\	2005	1824		763.8		98.88	SMC
4	3072, 4T4B, TRIPOD BASE	708	4"– 8UN	4"– 8 UN	2179	1773		763.8		106.14	TRIPOD
5	3072, 6T, SMC BASE	708	6"– 8UN	\	1991	1810		763.8		98.88	SMC
6	3072, 6T6B, TRIPOD BASE	708	6"– 8UN	6"– 8UN	2212	1796		766.9		106.14	TRIPOD
7	3672, 4T, SMC BASE	999	4"– 8UN	\	2042	1823		914.4		132.45	SMC
8	3672 , 4T4B, TRIPOD BASE	999	4"– 8UN	4"– 8UN	2229	1791	± 25.4	914.4	± 12.7	132.45	TRIPOD
9	3672, 6T, SMC BASE	999	6"– 8UN	\	2051	1832		914.4		132.45	SMC
10	3672, 6T6B, TRIPOD BASE	999	6"– 8UN	6"– 8UN	2240	1818		917.4		132.45	TRIPOD
11	3672, 6TF, SMC BASE	999	6" FLG	\	2108	1886		917.4		132.45	SMC
12	3672, 6TF6BF, TRIPOD BASE	999	6" FLG	6" FLG	2296	1934		917.4		132.45	TRIPOD
13	4272, 4T4B, TRIPOD BASE	1306	4"– 8UN	4"– 8 UN	2330	1937		1073.2		204.12	TRIPOD
14	4272, 6TF6BF, TRIPOD BASE	1306	6" FLG	6" FLG	2289	1854		1073.2		204.12	TRIPOD
15	4872, 6TF6BF, TRIPOD BASE	1753	6" FLG	6" FLG	2360	1953		1225.6		249.48	TRIPOD
16	6367, 6TF6BF, TRIPOD BASE	2271	6" FLG	6" FLG	2068	1704		1625.7		408.23	TRIPOD
17	6386, 6TF6BF, TRIPOD BASE	3407	6" FLG	6" FLG	2503	2136		1625.7		453.59	TRIPOD

* The weight is reference for transportation

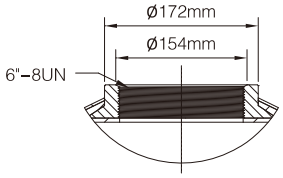
** Color options: Natural、Blue、Gray



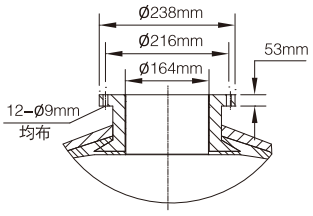
4"– 8UN thread Inlet



6"– 8UN thread Inlet



6" Flange Inlet



Distributor System

Part NO.	Description	Tank Opening	Tank Diameter	
			Inch	mm
Top Mount Valve				
Top Distributor				
2201	Top Distributor Basket,1.05"	2.5"-NPSM	Up to 10"	Up to 250
2203	Top Diffuser,1.2"	2.5"-NPSM	12"-16"	300-400
2205	Top Distributor Basket,Fleck	2.5"-NPSM	Up to 16"	Up to 400
5401	Top Diffuser,1.2"	4"-8UN	16"-30"	400-750
5402	Top Diffuser,1.5"	4"-8UN	16"-40"	400-1000
5601	Top Diffuser,1.5"	6"-8UN	24"-36"	600-900
5602	Top Diffuser,2"	6"-8UN	24"-48"	600-1200
Bottom Distributor				
2202	Bottom Basket,1.05"	2.5"-NPSM	Up to 10"	Up to 250
2204	Bottom Diffuser,1.2"	2.5"-NPSM	12"-16"	300-400
2206	Bottom Basket,Fleck	2.5"-NPSM	Up to 16"	Up to 400
6001	Bottom Diffuser,1.2"		16"-30"	400-750
6002	Bottom Diffuser,1.5"		16"-40"	400-1000
6003	Bottom Diffuser,1.2"		14"-30"	350-750
6004	Bottom Diffuser,1.5"		14"-40"	350-1000
6010	Bottom Hub and Lateral,1.5" riser	4"-8UN	14"-16"	350-400
6011	Bottom Hub and Lateral,1.5" riser	4"-8UN	18"	450
6012	Bottom Hub and Lateral,1.5" riser	4"-8UN	20"-24"	500-600
6401	Bottom Hub and Lateral,1.5" riser	4"-8UN	30"	750
6402	Bottom Hub and Lateral,1.5" riser	4"-8UN	36"	900
6801	Bottom Hub and Lateral,3" riser	6"-8UN	30"	750
6802	Bottom Hub and Lateral,3" riser	6"-8UN	36"	900
6803	Bottom Hub and Lateral,3" riser	6"-8UN	40"	1000
6804	Bottom Hub and Lateral,3" riser	6"-8UN	48"	1200
6805	Bottom Hub and Lateral-16,3" riser	6"-8UN	40"	1000
6806	Bottom Hub and Lateral-16,3" riser	6"-8UN	48"	1200
Side Mount Valve				
Top Distributor				
7401	Top Diffuser,2"socket	4"-8UN	14"-36"	350-900
7601	Top Diffuser,2"socket	6"-8UN	30"-36"	750-900
7602	Top Diffuser,3"socket	6"-8UN	40"-48"	1000-1200
7603	Top Diffuser,4"socket	6"-8UN	40"-48"	1000-1200
7801	Top Diffuser,3"FNPT	6"Flange	20"-48"	500-1200
7802	Top Diffuser-3,3"FNPT	6"Flange	40"-48"	1000-1200
7803	Top Diffuser,3"FNPT	6"Flange	36"	900
7804	Top Diffuser,3"FNPT	6"Flange	40"-70"	1000-1800
Bottom Distributor				
8410	Bottom Hub and Lateral,2" riser	4"-8UN	14"-16"	350-400
8411	Bottom Hub and Lateral,2" riser	4"-8UN	18"-20"	450-500
8413	Bottom Hub and Lateral,2" riser	4"-8UN	24"	600
8450	Bottom Hub and Lateral,2" riser	4"-8UN	30"	750
8451	Bottom Hub and Lateral,2" riser	4"-8UN	36"	900
8613	Bottom Hub and Lateral,2" riser	6"-8UN	24"	600
8650	Bottom Hub and Lateral,2" riser	6"-8UN	30"	750
8651	Bottom Hub and Lateral,2" riser	6"-8UN	36"	900
8801	Bottom Hub and Lateral,3"FNPT	6"Flange	20"-24"	500-600
8802	Bottom Hub and Lateral,3"FNPT	6"Flange	30"	750
8803	Bottom Hub and Lateral,3"FNPT	6"Flange	36"	900
8804	Bottom Hub and Lateral,3"FNPT	6"Flange	40"	1000
8805	Bottom Hub and Lateral,3"FNPT	6"Flange	48"	1200
8806	Bottom Hub and Lateral-16,3"FNPT	6"Flange	60"	1500
8807	Bottom Hub and Lateral-16,3"FNPT	6"Flange	70"	1800
Accessory				
1011	As a cone with 1"-BSP thread			
1012	As a cylinder with 3/4"-BSP thread			
1402	Reducer, 4"-8UN Thread to 2.5"NPSM Thread			
1403	Closure, 4"-8UN Thread			
1601	Reducer, 6"-8UN Thread to 4"-8UN Thread			
1602	Closure, 6"-8UN Thread			
1801	Closure, 6"-Flange			
1802	Reducer, 6"-Flange to 4"-8UN Thread			

Part No. Designation

X X X X

- 2 - 2.5" NPSM Opening
- 4 - 4"-8UN Opening
- 6 - 6"-8UN Opening
- 8 - 6" Flange Opening

- 1 - Accessory
- 2 - Nozzle
- 5 - Top Mount/Top Distributor
- 6 - Top Mount/Bottom Distributor
- 7 - Side Mount/Top Distributor
- 8 - Side Mount/Bottom Distributor

PENTAIR



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