



Water
Treatment
Pressure
Vessel





We manufacture tank only

Water Treatment Pressure Vessel

NOYI Environmental Equipment Manufacturing (Beijing) Co., Ltd. was founded in 2011. The company designs, manufactures and distributes a full range of fiberglass filament wound pressure vessels for residential, commercial and industrial water purification applications. NOYI is a leading manufacturer of fiberglass pressure vessels in China.

The company supplies pressure vessels to serve various industries including Petro-chemical, Auto-mobile, Power, Chemicals, Medical, Electronics, Pharmaceutical, Food & Beverage and Brewery.

NOYI is located in a 46,000 square meters facility in Pinggu District, Beijing China. We are capable to manufacture 500,000 pressure vessels annually of in diameters ranging from 6" to 63". The company has about 100 employees including mechanical and electrical engineers, R & D, manufacturing and quality assurance technicians, a sales and customer support team.

NOYI's design, manufacturing and quality management system is supported and managed by an expert with 30 years of experience in fiberglass composite vessel production for water treatment industry to make sure all products meet and comply with international standards, such as ISO9001, European Pressure Equipment Directive (PED) and NSF/ANSI Standard 44.

Our goal is to manufacture first-class quality fiberglass pressure vessels to meet and exceed customer's requirements and expectations.

NOYI's team is looking forward to serve your company in the future.



Applications

- Water Filtration
- Water Softening
- Water Storage
- Ion Exchanger

Operating Conditions

- Maximum operating pressure: 10 bar (150 psi)
- Operating temperature range 1 - 50°C (34 - 120°F)

Material of Construction

- All materials of construction in contact with water are food grade materials.
- Inner shell (liner): polyethylene (PE)
- Outer shell: Premium fiberglass embedded in epoxy resin
- Inlet inserts are made of injection molded glass reinforced thermal plastic.
- Flanges are made of Aluminum casting.
- Bases of residential tank are made of injection molded impact resistance thermal plastic.
- Bases of industrial tanks are made of FRP laminate



Advanced Engineering and Manufacturing



Manufacturing Processes

- 6" to 36" PE Liners are made from CNC controlled blow molding machine
- PE liner of industrial tank is made from CNC controlled rotational molding machine.
- Inlet inserts and bases are from CNC controlled injection molding machine.
- FRP outer shells are made from CNC controlled multi-axis filament winding machine.

Quality Assurance

- Designed to PED (EN13923) and NSF requirement
- Quality assurance program is placed permanently for all tank products.
- NOYI vessels are subjected to leak test before leaving the factory.
- Random selected products are subjected to fatigue - and burst tests to verify design parameters..



Limited Warranty

- Residential vessels, size 6" to 13" in diameter are covered to 10 years warranty
- Commercial and industrial vessels, size 14" to 63" in diameter are guaranteed to 5 years..

NOYI - Your Final Choice

- Product of high quality is proven with relevant certification
- High assurance standard
- Trusted performance
- Fast delivery
- Responsive after sales service
- Convince yourself , come and visit us



NSF Certification



Listing Category Search Page | NSF International

6 x 13, 2.5" 8-NPSM
6 x 17, 2.5" 8-NPSM
6 x 18, 2.5" 8-NPSM
6 x 29, 2.5" 8-NPSM
6 x 35, 2.5" 8-NPSM
7 x 13, 2.5" 8-NPSM
7 x 17, 2.5" 8-NPSM
7 x 35, 2.5" 8-NPSM
7 x 44, 2.5" 8-NPSM
8 x 13, 2.5" 8-NPSM
8 x 17, 2.5" 8-NPSM
8 x 35, 2.5" 8-NPSM
8 x 44, 2.5" 8-NPSM
9 x 17, 2.5" 8-NPSM
9 x 35, 2.5" 8-NPSM
9 x 42, 2.5" 8-NPSM
9 x 48, 2.5" 8-NPSM
10 x 13, 2.5" 8-NPSM

10 x 17, 2.5" 8-NPSM
10 x 35, 2.5" 8-NPSM
10 x 44, 2.5" 8-NPSM
10 x 54, 2.5" 8-NPSM
12 x 48, 2.5" 8-NPSM
12 x 52, 2.5" 8-NPSM
13 x 44, 2.5" 8-NPSM
13 x 44, 4" 8-UN
13 x 54, 2.5" 8-NPSM
13 x 54, 4" 8-UN
14 x 47, 2.5" 8-NPSM
14 x 47, 4" 8-UN
14 x 52, 2.5" 8-NPSM
14 x 52, 4" 8-UN
14 x 65, 2.5" 8-NPSM
14 x 65, 4" 8-UN

16 x 28, 2.5" 8-NPSM
16 x 28, 4" 8-UN
16 x 52, 2.5" 8-NPSM
16 x 52, 4" 8-UN
16 X 52, 2.5"8-NPSM x 4"8-UN
16 x 52, 2.5" x 2.5" 8-NPSM
16 x 65, 2.5"8-NPSM x 4"8-UN
16 x 65, 2.5" x 2.5"8-NPSM
16 x 65, 2.5" 8-NPSM
16 x 65, 4" 8-UN
16 x 65, 4" 8-UN x 4"8-UN
18 x 36, 4" 8-UN
18 x 53, 4" 8-UN
18 x 65, 4" 8-UN
18 x 65, 4" 8-UN x 4" 8-UN
21 x 36, 4" 8-UN
21 x 53, 4" 8-UN

21 x 62, 4" 8-UN
21 x 62, 4" 8-UN x 4" 8-UN
24 x 65, 4" 8-UN
24 x 65, 4" x 4"-8UN
24 x 72, 4" -8UN
24 x 72, 4" x 4"-8UN
30 x 72, 4" -8UN
30 x 72, 4" x 4" -8UN
36 x 72, 6" FLG
36 x 72, 4" -8UN
36 x 72, 4" 8-UN x 4" 8-UN
42 x 63, 6" FLG x 6" FLG
42 x 66, 6" FLG x 6" FLG
42 x 72, 6" FLG x 6" FLG
48 x 72, 6" FLG x 6" FLG
63 x 67, 6" FLG x 6" FLG
63 x 86, 6" FLG x 6" FLG

Specification

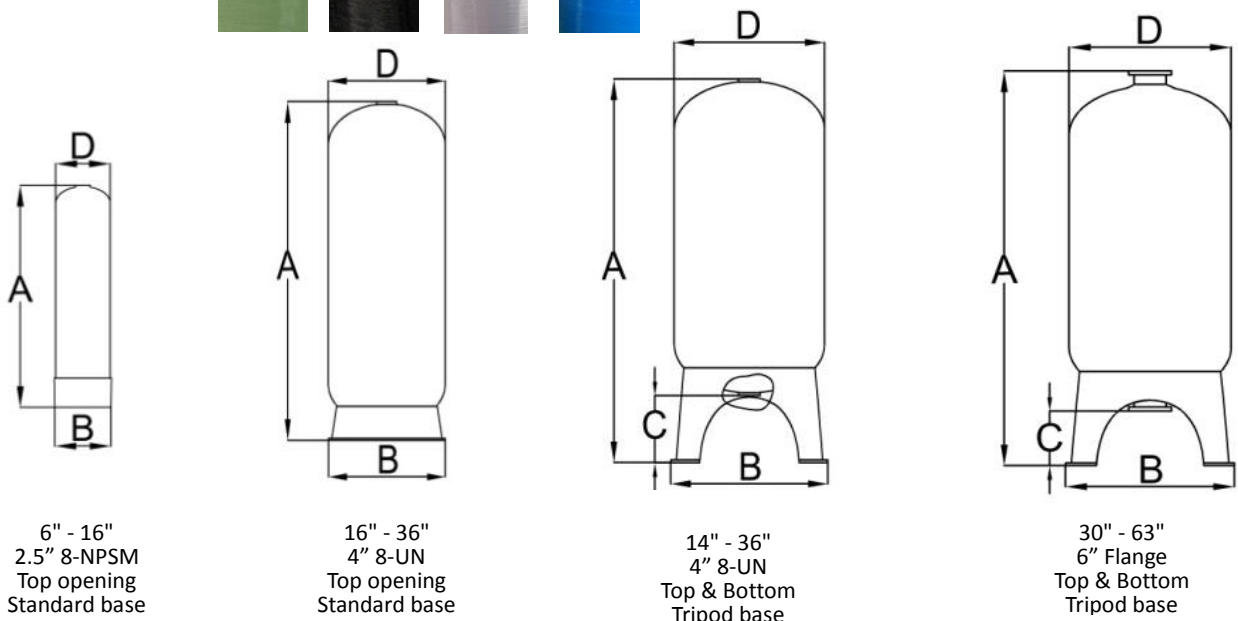
Size (Inches)	Opening		Volume		Base	Dimensions (mm)			
	Top	BTM	Liter	Gallon		A	B (Ø)	C	D (Ø)
6 x 13	2.5" 8-NPSM	/	4.6	1.2	Standard	337	165	/	155
6 x 17	2.5" 8-NPSM	/	6.6	1.7	Standard	435	165	/	155
6 x 35	2.5" 8-NPSM	/	13.7	3.6	Standard	918	165	/	155
7 x 13	2.5" 8-NPSM	/	6.3	1.7	Standard	335	197	/	182
7 x 17	2.5" 8-NPSM	/	8.6	2.3	Standard	438	197	/	182
7 x 35	2.5" 8-NPSM	/	20.1	5.3	Standard	895	197	/	182
7 x 44	2.5" 8-NPSM	/	25.6	6.8	Standard	1125	197	/	182
8 x 13	2.5" 8-NPSM	/	8.5	2.2	Standard	335	216	/	210
8 x 17	2.5" 8-NPSM	/	10.9	2.9	Standard	435	216	/	210
8 x 35	2.5" 8-NPSM	/	25	6.6	Standard	890	216	/	210
8 x 44	2.5" 8-NPSM	/	32.1	8.5	Standard	1115	216	/	210
9 x 17	2.5" 8-NPSM	/	13.8	3.7	Standard	440	240	/	232
9 x 35	2.5" 8-NPSM	/	32.1	8.5	Standard	900	240	/	232
9 x 42	2.5" 8-NPSM	/	38.4	10.2	Standard	1075	240	/	232
9 x 48	2.5" 8-NPSM	/	44.4	11.7	Standard	1225	240	/	232
10 x 17	2.5" 8-NPSM	/	16.7	4.4	Standard	440	269	/	260
10 x 35	2.5" 8-NPSM	/	39.4	10.4	Standard	890	269	/	260
10 x 44	2.5" 8-NPSM	/	51.2	13.5	Standard	1130	269	/	260
10 x 47	2.5" 8-NPSM	/	54.1	14.1	Standard	1190	269	/	260
10 x 54	2.5" 8-NPSM	/	63.3	16.7	Standard	1385	269	/	260
12 x 48	2.5" 8-NPSM	/	89	23.5	Standard	1230	318	/	310
12 x 52	2.5" 8-NPSM	/	97	25.7	Standard	1330	318	/	310
13 x 44	2.5" 8-NPSM	/	86.8	23.0	Standard	1125	343	/	336
13 x 54	2.5" 8-NPSM	/	105.3	27.9	Standard	1380	343	/	336
13 x 54	4" 8-UN	/	105.3	27.9	Standard	1380	343	/	336
14 x 52	2.5" 8-NPSM	/	115.7	30.6	Standard	1340	369	/	362
14 x 52	4" 8-UN	/	115.7	30.6	Standard	1340	369	/	362
14 x 65	2.5" 8-NPSM	/	148.5	39.3	Standard	1655	369	/	362
14 x 65	4" 8-UN	/	148.5	39.3	Standard	1655	369	/	362
14 x 65	4" 8-UN	4" 8-UN	148.5	39.3	Standard	1880	/	225	362
16 x 52	2.5" 8-NPSM	/	153	40.5	Standard	1330	422	/	412
16 x 52	4" 8-UN	/	153	40.5	Standard	1330	422	/	412
16 x 65	2.5" 8-NPSM	/	192.1	50.8	Standard	1650	422	/	412
16 x 65	4" 8-UN	/	192.1	50.8	Standard	1650	422	/	412
16 x 65	4" 8-UN	4" 8-UN	192.1	50.8	Tripod	1910	/	255	412
18 x 36	4" 8-UN	/	141	37.3	Standard	940	451	/	461
18 x 53	4" 8-UN	/	216.5	57.3	Standard	1370	451	/	461
18 x 65	4" 8-UN	/	268	70.9	Standard	1670	451	/	461

Specification

Size (Inches)	Opening		Volume		Base	Dimensions (mm)			
	Top	Bottom	Liter	Gallon		A	B (Ø)	C	D (Ø)
18 x 65	4" 8-UN	4" 8-UN	268	70.9	Tripod	1970	/	330	461
21 x 36	4" 8-UN	/	180	47.6	Standard	960	532	/	543
21 x 53	4" 8-UN	/	278	73.5	Standard	1390	532	/	543
21 x 62	4" 8-UN	/	341	90.2	Standard	1620	532	/	543
21 x 62	4" 8-UN	4" 8-UN	341	90.2	Tripod	1890	/	330	543
24 x 65	4" 8-UN	/	419	110.8	Standard	1730	616	/	615
24 x 65	4" 8-UN	4" 8-UN	419	110.8	Tripod	2010	/	330	615
24 x 72	4" 8-UN	/	490	129.6	Standard	1900	616	/	615
24 x 72	4" 8-UN	4"	490	129.6	Tripod	2180	/	330	615
30 x 72	4" 8-UN	/	735	194.4	Standard	1870	750	/	765
30 x 72	4" 8-UN	4" 8-UN	735	194.4	Tripod	2170	/	330	765
30 x 72	6" FLG	6" FLG	735	194.4	Tripod	2260	/	270	765
36 x 72	4" 8-UN	/	1031	272.8	Standard	1960	910	/	920
36 x 72	4" 8-UN	4" 8-UN	1031	272.8	Tripod	2200	/	355	920
36 x 72	6" FLG	6" FLG	1031	272.8	Tripod	2280	/	295	920
42 x 72	6" FLG	6" FLG	1461	386.5	Tripod	2300	/	303	1067
48 x 72	6" FLG	6" FLG	1890	499.3	Tripod	2250	/	300	1215
63 x 67	6" FLG	6" FLG	2547	672.9	Tripod	1982	/	285	1620
63 x 86	6" FLG	6" FLG	3488	921.5	Tripod	2475	/	285	1620

Note:

- All vessels are completed with food grade PE liner. (complied to FDA regulation 21 CFR 177.1520 and safe for drinking water)
- All dimensions are for reference only and subjected to change without notice.
- Different color available:





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