

FRP TANKS

FRP tank is a core component of water treatment, widely used in water softening, water filtration, ion exchange, ultra-pure water etc. NOYI has remained steadfast in delivering high-quality, high-performance FRP tanks, dedicated to enhancing water environments for our customers.

Operating Parameters



Maximum operating pressure
10.5Bar (150psi)



Operating temperature range
1-50°C (34-122°F)



Maximum vacuum
17KPa (5"Hg)

Product Description

Size range
5"-63"



Color options
Natural/Blue/Grey/Black/Green



Opening options
2.5"、4"-8UN、6"-FLG



Warranty
10 years warranty for 5" to 13" tanks
5 years warranty for 14" to 63" tanks



NOTE: FLEXIBLE CONNECTOR MUST BE INSTALLED BETWEEN HARD PIPING AND TANK OPENINGS. AN ADEQUATE VACUUM BREAKER MUST BE INSTALLED BETWEEN TANK INLET AND ANY VALVE. FAILURE TO INSTALL FLEXIBLE CONNECTOR AND VACUUM BREAKER PROPERLY WHEN REQUIRED WILL VOID THE WARRANTY.

Numbers about FRP Tanks

Engineered for excellence

High-Performance Compression Resistance

Fatigue test: **100,000** cycles
Burst test: **4** times of operating

Stability and Innovation

Over **98%** of our components are independently developed and manufactured, ensuring consistent and cutting-edge performance.

Versatile Options

Choose from a selection of over **130** models to meet a wide range of applications.
Custom tanks are available.

Efficient Manufacturing

Our state-of-the-art production lines produce one tank approximately every **25** seconds, ensuring prompt delivery.

Premium Materials

Featuring an integrated HDPE liner for **100%** rust and corrosion prevention.

Strong Production Capacity

All **10** production lines are operating at full capacity, ensuring timely fulfillment of orders.

Lightweight and Cost-Effective

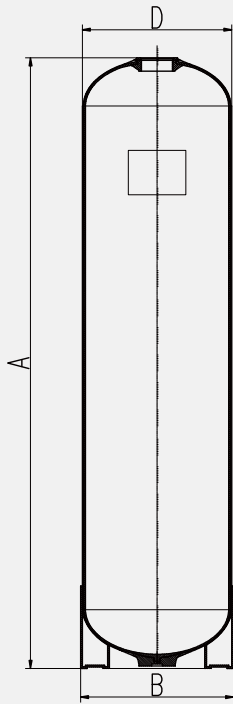
Weighing only **1/3** of steel tanks of similar specifications, our tanks offer portability and economic efficiency.

Unparalleled Quality Control

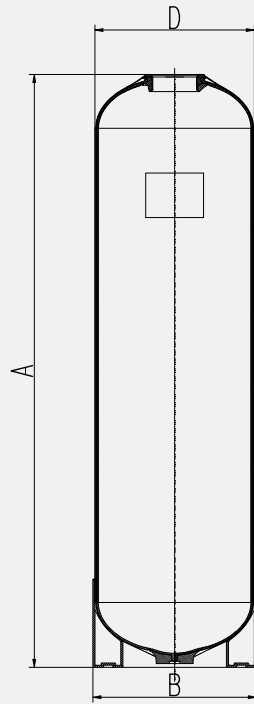
Our after-sales service rate is less than **1/10000**, reflecting our commitment to quality assurance.



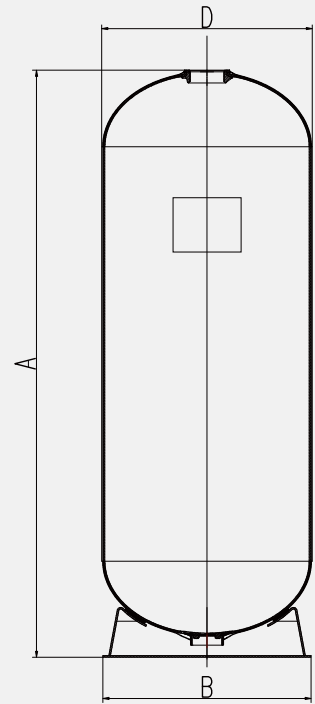
FRP TANKS-SPECIFICATION



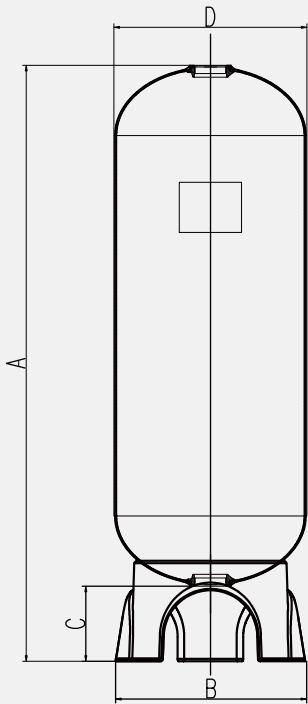
Diameter 5"-16" top opening 2.5"



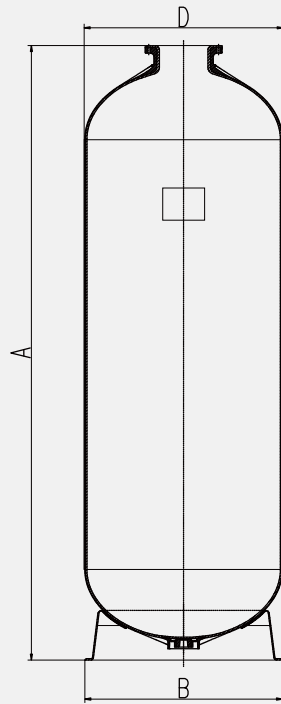
Diameter 10"-16" top opening 4"



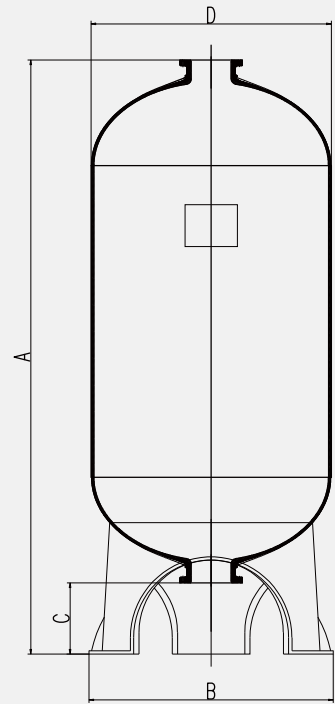
Diameter 18"-36" top opening 4"



Diameter 14"-36" top and bottom opening 4"



Diameter 18"-36" top opening 6"



Diameter 18"-63" top and bottom opening 6"

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No.	Size (Inches)	Opening		Volume		Base	Dimensions			
		Top	Bottom	Liter	Gallon		A(mm)	B(mm)	C(mm)	D(mm)
1	5 x 13	2.5"	/	3.1	0.8	Standard	335±6	Φ134		Φ130
2	5 x 17	2.5"	/	4.3	1.1	Standard	437±6	Φ134		Φ130
3	5 x 24	2.5"	/	6.4	1.7	Standard	617±6	Φ134		Φ130
4	6 x 13	2.5"	/	4.7	1.2	Standard	329±3	Φ164		Φ159
5	6 x 17	2.5"	/	6.5	1.7	Standard	431±3	Φ164		Φ159
6	6 x 18	2.5"	/	7.0	1.8	Standard	457±3	Φ164		Φ159
7	6 x 24	2.5"	/	9.8	2.6	Standard	611±3	Φ164		Φ159
8	6 x 35	2.5"	/	14.8	3.9	Standard	891±3	Φ164		Φ159
9	7 x 13	2.5"	/	6.1	1.6	Standard	335±6	Φ186		Φ180
10	7 x 17	2.5"	/	8.4	2.2	Standard	435±6	Φ186		Φ180
11	7 x 24	2.5"	/	12.4	3.3	Standard	605±6	Φ186		Φ180
12	7 x 30	2.5"	/	16	4.2	Standard	770±6	Φ186		Φ180
13	7 x 35	2.5"	/	18.8	5.0	Standard	892±6	Φ186		Φ180
14	7 x 44	2.5"	/	24	6.3	Standard	1120±6	Φ186		Φ180
15	8 x 13	2.5"	/	7.8	2.1	Standard	332±6	Φ212		Φ207
16	8 x 17	2.5"	/	10.8	2.9	Standard	435±6	Φ212		Φ207
17	8 x 19	2.5"	/	12.3	3.2	Standard	484±6	Φ212		Φ207
18	8 x 24	2.5"	/	16.4	4.3	Standard	620±6	Φ212		Φ207
19	8 x 30	2.5"	/	20.8	5.5	Standard	768±6	Φ212		Φ207
20	8 x 35	2.5"	/	24.5	6.5	Standard	892±6	Φ212		Φ207
21	8 x 44	2.5"	/	31.2	8.2	Standard	1125±6	Φ212		Φ207
22	9 x 17	2.5"	/	13.8	3.6	Standard	450±6	Φ235		Φ231
23	9 x 24	2.5"	/	20.5	5.4	Standard	617±6	Φ235		Φ231
24	9 x 30	2.5"	/	26.9	7.1	Standard	770±6	Φ235		Φ231
25	9 x 35	2.5"	/	32.1	8.5	Standard	895±6	Φ235		Φ231
26	9 x 42	2.5"	/	38.4	10.1	Standard	1070±6	Φ235		Φ231
27	9 x 48	2.5"	/	44.4	11.7	Standard	1221±6	Φ235		Φ231
28	10 x 17	2.5"	/	16.7	4.4	Standard	440±6	Φ261		Φ258
29	10 x 19	2.5"	/	19.3	5.1	Standard	479±6	Φ261		Φ258
30	10 x 24	2.5"	/	25.2	6.7	Standard	605±6	Φ261		Φ258
31	10 x 30	2.5"	/	33.0	8.7	Standard	775±6	Φ261		Φ258
32	10 x 30	4"-8UN	/	33.0	8.7	Standard	775±6	Φ261		Φ258
33	10 x 35	2.5"	/	39.4	10.4	Standard	896±6	Φ261		Φ258
34	10 x 35	4"-8UN	/	39.4	10.4	Standard	900±6	Φ261		Φ258
35	10 x 44	2.5"	/	51.2	13.5	Standard	1128±6	Φ261		Φ258

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No.	Size (Inches)	Opening		Volume		Base	Dimensions			
		Top	Bottom	Liter	Gallon		A(mm)	B(mm)	C(mm)	D(mm)
36	10 x 44	4"-8UN	/	51.2	13.5	Standard	1130±6	Φ261		Φ258
37	10 x 47	2.5"	/	54.1	14.3	Standard	1190±6	Φ261		Φ258
38	10 x 54	2.5"	/	63.3	16.7	Standard	1388±6	Φ261		Φ258
39	10 x 54	4"-8UN	/	63.3	16.7	Standard	1388±6	Φ268		Φ258
40	12 x 48	2.5"	/	77.6	20.5	Standard	1227±6	Φ311		Φ306
41	12 x 52	2.5"	/	84.5	22.3	Standard	1322±6	Φ311		Φ306
42	12 x 65	2.5"	/	107.2	28.3	Standard	1652±6	Φ311		Φ306
43	13 x 44	2.5"	/	82.3	21.7	Standard	1112±6	Φ336		Φ332
44	13 x 44	4"-8UN	/	82.3	21.7	Standard	1112±6	Φ336		Φ334
45	13 x 54	2.5"	/	103	27.2	Standard	1369±6	Φ336		Φ332
46	13 x 54	4"-8UN	/	103	27.2	Standard	1375±6	Φ336		Φ334
47	14 x 47	2.5"	/	99.7	26.3	Standard	1185±6	Φ363		Φ358
48	14 x 47	4"-8UN	/	99.7	26.3	Standard	1197±6	Φ363		Φ360
49	14 x 52	2.5"	/	111.6	29.5	Standard	1315±6	Φ363		Φ358
50	14 x 52	4"-8UN	/	111.6	29.5	Standard	1325±6	Φ363		Φ360
51	14 x 65	2.5"	/	142.4	37.6	Standard	1645±6	Φ363		Φ358
52	14 x 65	4"-8UN	/	142.4	37.6	Standard	1657±6	Φ363		Φ360
53	14 x 65	4"-8UN	4"-8UN	142.4	37.6	Tri-pod	1856±6	Φ360	230	Φ360
54	16 x 52	2.5"	/	147.4	38.9	Standard	1312±6	Φ414		Φ409
55	16 x 52	4"-8UN	/	147.4	38.9	Standard	1312±6	Φ414		Φ410
56	16 x 65	2.5"	/	188.2	49.7	Standard	1644±6	Φ414		Φ409
57	16 x 65	4"-8UN	/	188.2	49.7	Standard	1648±6	Φ414		Φ410
58	16 x 65	4"-8UN	4"-8UN	188.2	49.7	Tri-pod	1880±6	Φ410	250	Φ410
59	18 x 36	4"-8UN	/	122.6	32.4	Standard	940±10	Φ450		Φ464
60	18 x 53	4"-8UN	/	189	49.9	Standard	1366±10	Φ450		Φ464
61	18 x 65	4"-8UN	/	236.6	62.5	Standard	1670±10	Φ450		Φ464
62	18 x 65	4"-8UN	4"-8UN	236.6	62.5	Tri-pod	1950±10	Φ460	320	Φ464
63	18 x 68	6"-FLG	/	263.8	69.7	Standard	1850±25	Φ450		Φ469
64	18 x 68	6"-FLG	6"-FLG	263.8	69.7	Tri-pod	2120±25	Φ460	250	Φ469
65	21 x 36	4"-8UN	/	165.6	43.8	Standard	958±10	Φ532		Φ540
66	21 x 53	4"-8UN	/	258	68.2	Standard	1390±10	Φ532		Φ540
67	21 x 62	4"-8UN	/	307.2	81.2	Standard	1620±10	Φ532		Φ540
68	21 x 62	4"-8UN	4"-8UN	307.2	81.2	Tri-pod	1890±10	Φ550	330	Φ540
69	21 x 66	6"-FLG	/	321.6	85.0	Standard	1745±25	Φ530		Φ544
70	21 x 66	6"-FLG	6"-FLG	321.6	85.0	Tri-pod	2010±25	Φ550	260	Φ544

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No.	Size (Inches)	Opening		Volume		Base	Dimensions			
		Top	Bottom	Liter	Gallon		A(mm)	B(mm)	C(mm)	D(mm)
71	24 x 65	4"-8UN	/	423.4	111.9	Standard	1720±10	Φ612		Φ615
72	24 x 65	4"-8UN	4"-8UN	423.4	111.9	Tri-pod	1916±10	Φ610	245	Φ615
73	24 x 72	4"-8UN	/	478.2	126.3	Standard	1900±10	Φ612		Φ615
74	24 x 72	4"-8UN	4"-8UN	478.2	126.3	Tri-pod	2090±10	Φ610	245	Φ615
75	24 x 75	6"-FLG	/	459.7	121.5	Standard	1905±25	Φ612		Φ617
76	24 x 75	6"-FLG	6"-FLG	459.7	121.5	Tri-pod	2180±25	Φ630	265	Φ617
77	30 x 65	4"-8UN	/	632.5	167.1	Standard	1710±10	Φ752		Φ767
78	30 x 65	4"-8UN	4"-8UN	632.5	167.1	Tri-pod	1897±10	Φ762	235	Φ767
79	30 x 72	4"-8UN	/	715.5	189.0	Standard	1890±10	Φ752		Φ767
80	30 x 72	4"-8UN	4"-8UN	715.5	189.0	Tri-pod	2077±10	Φ762	235	Φ767
81	30 x 72	6"-FLG	6"-FLG	735	194.2	Tri-pod	2245±25	Φ780	265	Φ767
82	30 x 78	6"-FLG	/	780.8	206.3	Standard	2060±25	Φ752		Φ772
83	36 x 65	4"-8UN	/	895.1	236.5	Standard	1785±10	Φ900		Φ920
84	36 x 65	4"-8UN	4"-8UN	895.1	236.5	Tri-pod	2010±10	Φ930	350	Φ920
85	36 x 72	4"-8UN	/	1008	266.3	Standard	1965±10	Φ900		Φ920
86	36 x 72	4"-8UN	4"-8UN	1008	266.3	Tri-pod	2190±10	Φ930	350	Φ920
87	36 x 72	6"-FLG	6"-FLG	1036.4	273.8	Tri-pod	2270±25	Φ920	275	Φ923
88	36 x 78	6"-FLG	/	1136.4	300.2	Standard	2170±25	Φ910		Φ923
89	42 x 63	6"-FLG	6"-FLG	1224	323.4	Tri-pod	2145±25	Φ1070	365	Φ1085
90	42 x 72	6"-FLG	6"-FLG	1425	376.5	Tri-pod	2375±25	Φ1070	365	Φ1085
91	48 x 72	6"-FLG	6"-FLG	1746.3	461.4	Tri-pod	2365±25	Φ1180	365	Φ1220
92	63 x 67	6"-FLG	6"-FLG	2623	693.0	Tri-pod	2095±25	Φ1590	330	Φ1620
93	63 x 86	6"-FLG	6"-FLG	3296	838.8	Tri-pod	2460±25	Φ1590	330	Φ1620

※: Measurements are subject to change without notice and are for reference only.

※: Please refer the individual drawing for dimension, volumes and weight etc.

NOTE: FLEXIBLE CONNECTOR MUST BE INSTALLED BETWEEN HARD PIPING AND TANK OPENINGS. AN ADEQUATE VACUUM BREAKER MUST BE INSTALLED BETWEEN TANK INLET AND ANY VALVE. FAILURE TO INSTALL FLEXIBLE CONNECTOR AND VACUUM BREAKER PROPERLY WHEN REQUIRED WILL VOID THE WARRANTY.