

CanTech (Canadian Technology)

FRP Pressure Vessels



150 psi FRP softener tanks quality assurance:

1. Burst test with 4 times of its design pressure.
2. 100,000 times fatigue test.

FRP tanks material:

1. Fiberglass: 8"-16" tanks use 600 tex fiberglass, with strong better pressure coefficient and safety factor.
2. Epoxy: small tanks use NanYa 127E- Chinese largest company, large than 3672 tanks use American DOW Epoxy 383.
3. Harder Germany BYK 502.
4. Base: Reinforced PP for small tank base, FRP material for large tank.

Arclion 150psi FRP softener tanks				
Item	Size		Dimensions	CBM
	Dia.*Height	Model	m	
1	156*259	610-2.5"	0.259*0.166*0.166	0.0071
2	156*335	613-2.5"	0.335*0.166*0.166	0.0092
3	156*437	617-2.5"	0.437*0.166*0.166	0.0120
4	156*462	618-2.5"	0.462*0.166*0.166	0.0127
5	156*741	629-2.5"	0.741*0.166*0.166	0.0204
6	156*894	635-2.5"	0.894*0.166*0.166	0.0246
7	180*320	713-2.5"	0.335*0.188*0.188	0.0118
8	180*422	717-2.5"	0.437*0.188*0.188	0.0154
9	180*610	724-2.5"	0.625*0.188*0.188	0.0221
10	180*762	730-2.5"	0.777*0.188*0.188	0.0275
11	180*879	735-2.5"	0.894*0.188*0.188	0.0316
12	180*1108	744-2.5"	1.124*0.188*0.188	0.0397
13	206*338	813-2.5"	0.338*0.215*0.215	0.0156
14	206*437	817-2.5"	0.437*0.215*0.215	0.0202
15	206*625	824-2.5"	0.625*0.215*0.215	0.0289
16	206*895	835-2.5"	0.895*0.215*0.215	0.0414
17	206*1125	844-2.5"	1.125*0.215*0.215	0.0520
18	231*455	917-2.5"	0.455*0.24*0.24	0.0262

19	231*900	935-2.5"	0.9*0.24*0.24	0.0518
20	231*1073	942-2.5"	1.073*0.24*0.24	0.0618
21	231*1225	948-2.5"	1.225*0.24*0.24	0.0706
22	258*429	1017-2.5"	0.429*0.266*0.266	0.0304
23	258*494	1019-2.5"	0.494*0.266*0.266	0.0350
24	258*622	1024-2.5"	0.622*0.266*0.266	0.0440
25	258*886	1035-2.5"	0.896*0.266*0.266	0.0634
26	258*1135	1044-2.5"	1.135*0.266*0.266	0.0803
27	258*1380	1054-2.5"	1.38*0.266*0.266	0.0976
28	258*1380	1054-2.5"-2.5"	1.38*0.266*0.266	0.0976
29	258*1380	1054-4"	1.38*0.266*0.266	0.0976
30	306*920	1236-2.5"	0.92*0.318*0.318	0.0930
31	306*1233	1248-2.5"	1.233*0.318*0.318	0.1247
32	306*1333	1252-2.5"	1.333*0.318*0.318	0.1348
33	306*1663	1265-2.5"	1.663*0.318*0.318	0.1682
34	334*1110	1344-2.5"	1.1*0.343*0.343	0.1294
35	334*1350	1354-2.5"	1.35*0.343*0.343	0.1588
36	358*1336	1452-2.5"	1.336*0.369*0.369	0.1819
37	358*1336	1452-4"	1.336*0.369*0.369	0.1819
38	358*1661	1465-2.5"	1.661*0.369*0.369	0.2262
39	358*1661	1465-4"	1.661*0.369*0.369	0.2262
40	358*1850	1465-4"-4"	1.850*0.370*0.370	0.2533
41	417*1325	1652-2.5"	1.325*0.428*0.428	0.2427
42	417*1325	1652-4"	1.325*0.428*0.428	0.2427
43	417*1668	1665-2.5"	1.668*0.428*0.428	0.3056
44	417*1668	1665-4"	1.668*0.428*0.428	0.3056
45	417*1877	1665-4"-4"	1.877*0.418*0.418	0.3280
46	463*920	1836-4"	0.92*0.465*0.465	0.1989
47	463*1350	1853-4"	1.35*0.465*0.465	0.2919
48	463*1665	1865-4"	1.655*0.465*0.465	0.3579
49	463*1873	1865-4"-4"	1.873*0.465*0.465	0.4050
50	465*2010	1865-6"-6"	2.01*0.465*0.465	0.4346
51	510*1770	2069-4"	1.77*0.512*0.512	0.4640
52	510*1955	2069-4"-4"	1.955*0.512*0.512	0.5125
53	543*940	2136-4"	0.94*0.543*0.543	0.2772
54	543*1370	2153-4"	1.37*0.543*0.543	0.4039
55	543*1600	2162-4"	1.6*0.543*0.543	0.4718
56	543*1804	2162-4"-4"	1.804*0.543*0.543	0.5319
57	612*1920	2465-4"-4"	1.92*0.614*0.614	0.7238
58	612*2080	2472-4"-4"	2.08*0.614*0.614	0.7842
59	763*1855	3065-4"-4"	1.855*0.765*0.765	1.0856
60	763*2035	3072-4"-4"	2.035*0.765*0.765	1.1909
61	763*2060	3065-6"-6"	2.06*0.765*0.765	1.2056
62	763*2240	3072-6"-6"	2.24*0.765*0.765	1.3109
63	906*1910	3665-4"-4"	1.91*0.909*0.909	1.5782
64	906*2060	3672-4"-4"	2.09*0.909*0.909	1.7269
65	906*1980	3665-6"-6"	1.98*0.909*0.909	1.6360
66	906*2160	3672-6"-6"	2.16*0.909*0.909	1.7848
67	985*1950	4065-4"-4"	1.950*1.01*1.01	1.9500
68	985*2160	4065-6"-6"	2.04*1.01*1.01	2.0400
69	985*2310	4079-4"-4"	2.31*1.01*1.01	2.3100

70	985*2360	4079-6"-6"	2.36*1.01*1.01	2.3600
71	1067*2180	4272-6"-6"	2.2*1.07*1.07	2.5188
72	1213*2195	4872-6"-6"	2.25*1.217*1.217	3.3325
73	1475*2425	6079-6"-6"	2.425*1.5*1.5	5.4563
74	1601*2110	6367-6"-6"	2.1*1.609*1.609	5.4367
75	1601*2460	6386-6"-6"	2.46*1.609*1.609	6.3686
76	1785*2650	7279-6"-6"	2.605*1.8*1.8	8.4402