

## DYNAMIC Water treatment Tank ( Vessel )

### Characters

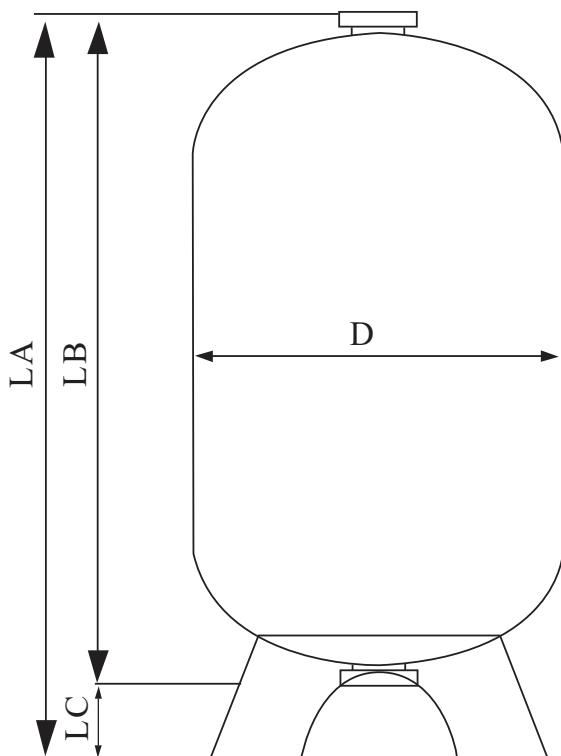
- Fully Rustproof and corrosion resistant
- High strength, Light Weight;
- Easy transport and installation;
- Nice appearance

### Application

- Used as media tank in Filtration system for both in water & wastewater treatment plants.

### Warranty

- 3 years (with company's policy)



### Application Condition

- Working Pressure: 150 psi/10.5 bar
- Working Temperature: 1-49°C
- Max. Vacuum: 127mm Hg
- Lowest Environment Temperature: -27°C

### Design Parameter

- Safety Ratio: 4:1
- Burst Pressure: 600psi/42 bar;
- Fatigue Cycle: 100,000

### Structure & Materials

- Liner material: PE(Polyethylene), rotation molding, seamless without leakage
- Outer Winding: High performance Fiber Glass and Epoxy Resin;
- Opening: 4" reinforced plastic thread, 6" alloy flange
- Base Material: FRP

## ■ QUALITY ASSURANCE:

Unique serial no to each vessel for tracking the records  
Hydrotest @ 1.5 times working pressure  
Smooth external glossy finish  
UV & Scratch resistant external Epoxy paint.

## ■ KEY POINTS OF OUR FRP VESSEL:

High Strength and durable FRP shell  
Polyurethane outermost coating provides extra protection to environment and good appearance.  
Quick access to membranes and eliminates use of tools  
Corrosion resistant  
Light in weight  
High impact strength  
Superior outlook  
Easy to handle & install  
Maintenance free

## ■ SPECIFICATION:

Shell Layer: Fiber Glass  
Liner Material: PE or PP  
MAX. Test Pressure: 150psi  
MAX. Working Pressure: 100psi  
Temperature Range: 1-49<sup>o</sup>C  
MAX. Vacuum: 5<sup>o</sup>Hg(127mm Hg)



## FEATURES:

**LIGHT WEIGHT AND HIGH STRENGTH:** The high tension and high content of fiber enable the FRP vessel, which specific gravity is 1.8-2.1 kg/m<sup>3</sup>, to have a much higher intensity than other metal materials such as steel and cast iron

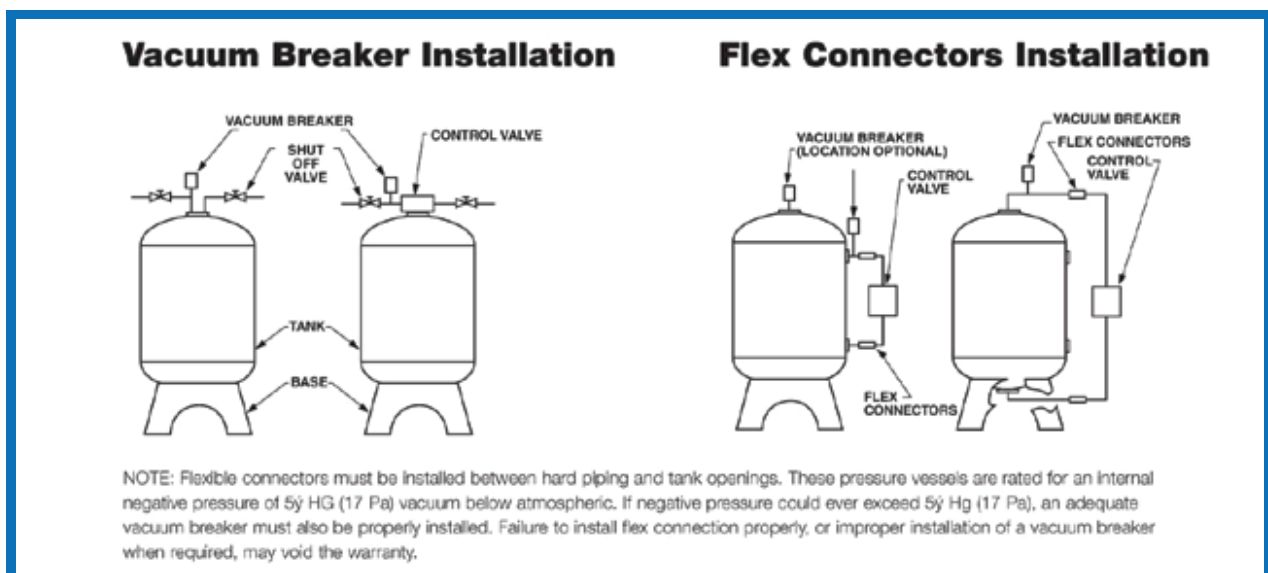
**EXCELLENT CORROSION RESISTANCE:** FRP is endowed with a special performance of resisting the chemical corrosion and therefore against the unparalleled advantage over the other materials in storing corrosive media including kinds of sour, alkali, salt and oil and organic solvent

**FLEXIBLE DESIGN:** By changes of resin and reinforcement material, the physicochemical property of FRP containers can be adjusted in order to fulfill the requirements of different media and working conditions. The carrying capacity of containers can be modulated by means of adjusting the thickness, wrapping angle and process Larry structural design of structural sheets, and FRP container or devices with different tension and some certain special performances can be manufactured, which isotropic metal materials can't achieve.

**FOOD GRADE PERFORMANCE:** In order to meet the operating requirements of brewage and food industry, food resin may be selected;

**STABLE PERFORMANCE:** The computer controls the winding equipment to achieve ultrastable performance products.

**WIDE APPLICATION FIELDS:** Composite having complex performances" indicates that FRP vessels can be used in a great deal of fields: storage, transportation, environmental protection, chemical anti corrosion and brewage and so forth.



## DYNAMIC FRP Vessel Specification

Model	Vessel Size (Inch)	Volume (L)	Operating Pressure	Base	Weight (Kg)
DV0613	6 x 13	5	10 Bar	SMC/ Tripod	1
DV0618	6 x 18	8	10 Bar	SMC/ Tripod	1.3
DV0635	6 x 35	16	10 Bar	SMC/ Tripod	2
DV0717	7 x 17	10	10 Bar	SMC/ Tripod	1.5
DV0724	7 x 24	14	10 Bar	SMC/ Tripod	2
DV0730	7 x 30	18	10 Bar	SMC/ Tripod	3
DV0735	7 x 35	21	10 Bar	SMC/ Tripod	3
DV0740	7 x 40	24	10 Bar	SMC/ Tripod	3.2
DV0744	7 x 44	27	10 Bar	SMC/ Tripod	3.5
DV0817	8 x 17	12	10 Bar	SMC/ Tripod	2
DV0822	8 x 22	17	10 Bar	SMC/ Tripod	2.2
DV0830	8 x 30	23	10 Bar	SMC/ Tripod	3
DV0835	8 x 35	27	10 Bar	SMC/ Tripod	3.3
DV0840	8 x 40	31	10 Bar	SMC/ Tripod	4
DV0844	8 x 44	35	10 Bar	SMC/ Tripod	4.3
DV0935	9 x 35	34	10 Bar	SMC/ Tripod	4
DV0940	9 x 40	39	10 Bar	SMC/ Tripod	4.5
DV0948	9 x 48	48	10 Bar	SMC/ Tripod	5
DV1019	10 x 19	20	10 Bar	SMC/ Tripod	3
DV1030	10 x 30	33	10 Bar	SMC/ Tripod	4
DV1035	10 x 35	40	10 Bar	SMC/ Tripod	4.2
DV1040	10 x 40	46	10 Bar	SMC/ Tripod	5
DV1044	10 x 44	52	10 Bar	SMC/ Tripod	5.5
DV1047	10 x 47	55	10 Bar	SMC/ Tripod	6
DV1054	10 x 54	64	10 Bar	SMC/ Tripod	6.4
DV1229	12 x 29	43	10 Bar	SMC/ Tripod	5
DV1248	12 x 48	79	10 Bar	SMC/ Tripod	7
DV1354	13 x 54	106	10 Bar	SMC/ Tripod	10
DV1465	14 x 65	150	10 Bar	SMC/ Tripod	14
DV1665	16 x 65	182	10 Bar	SMC/ Tripod	18
DV1865	18 x 65	237	10 Bar	SMC/ Tripod	32.85
DV2162	21 x 62	312	10 Bar	SMC/ Tripod	42.23
DV2169	21 x 69	305	10 Bar	SMC/ Tripod	50
DV2472	24 x 72	415	10 Bar	SMC/ Tripod	45.68
DV2487	24 x 87	510	10 Bar	SMC/ Tripod	55
DV3072	30 x 72	640	10 Bar	SMC/ Tripod	81
DV3087	30 x 87	782	10 Bar	SMC/ Tripod	103
DV3672	36 x 72	850	10 Bar	SMC/ Tripod	106
DV3694	36 x 94	1205	10 Bar	SMC/ Tripod	140
DV4072	40 x 72	1046	10 Bar	SMC/ Tripod	130
DV4094	40 x 94	1332	10 Bar	SMC/ Tripod	155
DV4222	42 x 42	670	10 Bar	SMC/ Tripod	96
DV4272	42 x 72	1100	10 Bar	SMC/ Tripod	136
DV48110	42 x 110	2360	10 Bar	SMC/ Tripod	225
DV4848	48 x 48	970	10 Bar	SMC/ Tripod	123
DV4872	48 x 72	1308	10 Bar	SMC/ Tripod	163
DV4894	48 x 94	1909	10 Bar	SMC/ Tripod	185
DV6094	60 x 94	2688	10 Bar	SMC/ Tripod	480
DV60110	60 x 110	3392	10 Bar	SMC/ Tripod	520
DV6363	63 x 63	2000	10 Bar	SMC/ Tripod	302
DV6370	63 x 70	2580	10 Bar	SMC/ Tripod	350
DV6383	63 x 83	2580	10 Bar	SMC/ Tripod	401
DV6394	63 x 94	3150	10 Bar	SMC/ Tripod	435
DV7294	72 x 94	3561	10 Bar	SMC/ Tripod	510