

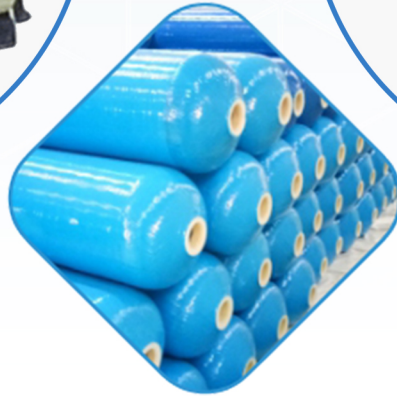
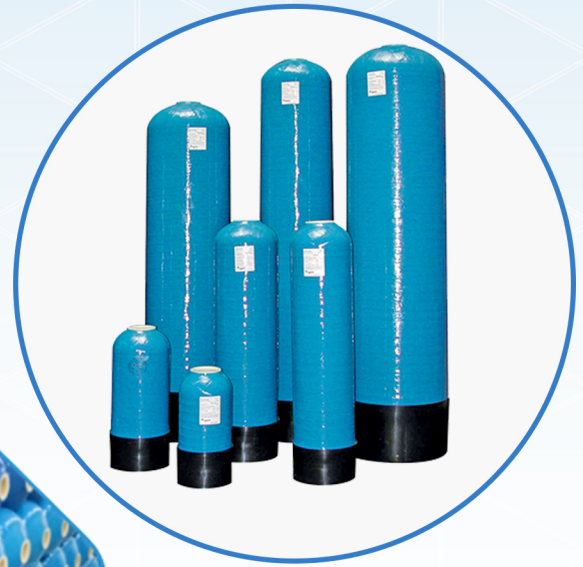
PRESSURE VESSELS

BY

STROMENTM

STROMEN FRP products manufacturing and quality management system is supported and managed by experts with 25years' experience in Composite Industry. Stromen FRP products (Pressure vessels/Membrane housings) are manufactured with most advance cutting-edge technologies available today. This products are primarily manufactured for Water Treatment industry making sure all products meet and comply with global Standards.

Our objective is to manufacture premium quality FRP products to meet and exceed customer requirements and expectations.



Product Description

The high standard STROMEN FRP Pressure Vessels are applicable for practically any water treatment application. The FRP Pressure Vessels are made of composite material with filament winding providing strength to withstand high pressures with premium quality finish. These are accepted globally as a superior solution for water treatment.

Application

- ◆ Applicable for varied water treatment processes.
- ◆ Residential/ Industrial/light commercial/softener.
- ◆ Purifies water for any type of domestic use.

Features

- ◆ Inner Liner single piece seamless HDPE made from Blow Moulding ranging from 6" to 21" dia.
- ◆ Inner Liner single piece seamless LLDPE made from Rotational moulding ranging from 24" to 36" dia.
- ◆ Outer shell is made of fibre glass epoxy filament winding which ensures superior quality with high strength.
- ◆ Inlet insert standard 2½" and 4.0" are made of injecon moulded glass reinforced engineering thermoplastic.
- ◆ 100% Unmatched strength and corrosion resistant.
- ◆ Bases of residential pressure vessel are made of injecon moulded impact resistance thermoplastic.
- ◆ Bases of industrial pressure vessel are made of FRP laminate.
- ◆ Low on maintenance.

PRESSURE VESSEL SPECIFICATIONS	
Working Pressure	10.5 kg/cm ²
Max. Operating Temp.	49°C
Max Vacuum (Neg. Pressure)	127 mm Hg (5" HG)

Advanced Engineering

- ◆ 8" to 21" PE Liners are made from CNC controlled blow moulding machine.
- ◆ 24" to 36" PE liner of industrial tank is made from CNC controlled rotational moulding machine.
- ◆ Inlet inserts are from CNC controlled injecon moulding machine.
- ◆ FRP outer shells are made from CNC controlled mul-axis filament winding machine.

Manufacturing Processes

- ◆ Quality assurance check in place for all pressure vessel products.
- ◆ STROMEN pressure vessels are subjected to hydro test before leaving the factory.
- ◆ Random selected products are subjected to fague - and burst tests to verify design param

Warranty

- ◆ All STROMEN vessels are guaranteed against any manufacturing defect for 1 year

Size (Inches)	Opening		Liner Material	Base	Dimensions (mm)			Capacity	
	Top	Bottom			A Height W/ Base Dim	A Height W/o Base	"D"(Ø)	Liter	Gallon
6 x 18	2.5" 8-NPSM	-	PE	Standard	435	415	155	6.8	1.8
6 x 35	2.5" 8-NPSM	-		Standard	910	890	155	14	3.7
7 x 35	2.5" 8-NPSM	-		Standard	896	876	182	20.1	5.3
7 x 44	2.5" 8-NPSM	-		Standard	1120	1100	182	25.6	6.8
8 x 18	2.5" 8-NPSM	-		Standard	470	450	210	12.4	3.3
8 x 30	2.5" 8-NPSM	-		Standard	770	750	210	22.3	5.9
8 x 35	2.5" 8-NPSM	-		Standard	890	870	210	25	6.6
8 x 44	2.5" 8-NPSM	-		Standard	1125	1105	210	33	8.7
9 x 35	2.5" 8-NPSM	-		Standard	890	870	232	31.5	8.3
9 x 42	2.5" 8-NPSM	-		Standard	1075	1055	232	38.4	10.1
9 x 48	2.5" 8-NPSM	-		Standard	1230	1210	232	44.4	11.7
10 x 18	2.5" 8-NPSM	-		Standard	480	460	256	18.6	4.9
10 x 35	2.5" 8-NPSM	-		Standard	904	884	256	38.6	10.2
10 x 44	2.5" 8-NPSM	-		Standard	1135	1115	256	50	13.2
10 x 54	2.5" 8-NPSM	-		Standard	1400	1385	256	61	16.1
12 x 48	2.5" 8-NPSM	-		Standard	1235	1215	304	76	20.1
12 x 52	2.5" 8-NPSM	-		Standard	1350	1330	304	85	22.5
13 x 54	2.5" 8-NPSM	-		Standard	1374	1360	333	102	26.9
14 x 65	4" 8-UN	-		Standard	1653	1640	366	147	38.8
14 x 65	4" 8-UN	4" 8-UN		Tripod	1890	1640	366	147	38.8
16 x 65	4" 8-UN	-		Standard	1653	1640	410	184	48.6
16 x 65	4" 8-UN	4" 8-UN		Tripod	1890	1640	410	184	48.6
18 x 65	4" 8-UN	-		Standard	1680	1660	470	251	66.3
18 x 65	4" 8-UN	4" 8-UN		Tripod	1900	1650	470	251	66.3
21 x 62	4" 8-UN	4" 8-UN		Tripod	1854	1604	550	333	88.0
24 x 72	4" 8-UN	4" 8-UN		Tripod	2057	1807	620	480	126.8
30 x 72	4" 8-UN	4" 8-UN		Tripod	2057	1807	775	710	187.6
36 x 72	4" 8-UN	4" 8-UN		Tripod	2057	1807	925	1071	283.0
42 x 72	6" FLG	6" FLG		Tripod	2300	2050	1067	1461	386.0
48 x 72	6" FLG	6" FLG		Tripod	2250	2000	1215	1890	499.3
42 x 72	6" FLG	6" FLG	Tripod	2390	1930	1083	1268	386.0	
48 x 72	6" FLG	6" FLG	Tripod	2390	1930	1233	1636	499.3	
64 x 72	6" FLG	6" FLG	Tripod	2450	1930	1637	3790	1001	

NOTE :This brochure is only intended as a guide. The company reserve the right to change the specification without note.



KEY BENEFITS

- ◆ Excellent Insulating Property
- ◆ High Strength-to-weight Ratio
- ◆ Design and Manufacturing Flexibility
- ◆ Corrosion Resistance
- ◆ Durability and Longevity
- ◆ Long service life
- ◆ With and without handholes options available

INSTALLATION TIPS

- ◆ Bolt base to floor
- ◆ Calculate height for valve and base combined

COLOR OPTIONS

- ◆ BL - Blue
- ◆ NA - Natural

| STROMEN Big Diameter Customizd Vessels

Engineered to Endure – No Matter the Size



STROMEN specializes in large-diameter, export-quality customized FRP pressure vessels for demanding, high-volume industrial applications like water treatment and chemical storage. Our vessels, built using precision filament winding, are a superior, cost-effective alternative to steel, offering unmatched corrosion resistance and exceptional strength for critical fluid management. STROMEN Large Diameter vessels are manufactured via filament winding, starting with the application of a corrosion-resistant inner liner. Resin-saturated fiberglass is precisely wound onto this liner in controlled Hoop and Helical layers for optimal strength. The structure is then cured and fitted with accessories like hand holes and nozzles. The final product undergoes rigorous hydro testing to certify export quality and unmatched performance.

STROMEN YOUR FINAL CHOICE

- ◆ Proven products of high quality with relevant observation.
- ◆ High assured standards.
- ◆ Trusted performance.
- ◆ On time delivery.
- ◆ Responsive after sales.



About **STROMEN**TM

Stromen FRP range of products makes the most of water purification projects. Stromen products are built to withstand rigorous operations. All products designed and manufactured as per global standards.

With superior technology, we help equipment manufacturers, engineering and construction contractors to build the world's most reliable and cost-effective membrane water treatment systems.

Stromen is the leading pressure vessel brand and recognized for its high quality FRP and HDPE product portfolio and market changing innovations. Stromen is a brand from FIPL, the most trustworthy component supplier and water treatment partner for OEMs of the industry.

Engineered To Endure



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