



WE BUILD TRUST
& QUALITY IN WATER



 **Polystark**

FRP PRESSURE VESSELS



ABOUT US

Sainath Industrial Corporation [SIC] was founded in 2001. The company Designs, Manufactures and Distributes a full range of FRP Filament Wound Pressure Vessels for Residential, Commercial And Industrial Water Purification applications. SIC is a leading manufacturer of FRP Pressure Vessels in Goa.

The company supplies FRP pressure vessels to serve various industries including Auto-mobile, Power, Chemicals, Medical, Electronics, Pharmaceutical.

SIC is located in Honda, Goa, India with full-fledged manufacturing unit. We are capable to manufacture 150,000 pressure vessels annually in Diameters ranging from 6" to 48". The Company has about 40 employees including Mechanical and Electrical engineers, R & D, Manufacturing and Quality Assurance Technicians, A Sales And Customer support team.

SIC's Design, Manufacturing and Quality Management System is supported and managed by an expert with 25years' experience in Composite Industry Manufacturing various high tech FRP products and FRP pressure vessels production for Water Treatment industry making sure all products meet and comply with Standards.

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

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

Advanced Engineering And Manufacturing Process

Manufacturing Processes

- ◆ 6" to 21" PE Liners are made from CNC controlled blow moulding machine.
- ◆ 24" to 48" PE liner of industrial tank is made from CNC controlled rotational moulding machine.
- ◆ Inlet inserts are from CNC controlled injection moulding machine.
- ◆ FRP outer shells are made from CNC controlled multi-axis filament winding machine.

Quality Assurance

- ◆ Quality assurance check in place for all pressure vessel products.
- ◆ Polystark pressure vessels are subjected to hydro 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 1 years warranty.
- ◆ Commercial and industrial vessels, size 14" to 63" in diameter are guaranteed to 1 years.

Polystark - Your Final Choice

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

POLYSTARK

Product Description

The high standard 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.

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 48" 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 injection moulded glass reinforced engineering thermoplastic.
- ◆ 100% Unmatched strength and corrosion resistant.
- ◆ Bases of residential pressure vessel are made of injection moulded impact resistance thermo plastic.
- ◆ Bases of industrial pressure vessel are made of FRP laminate.
- ◆ Low on maintenance.

Application

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

PRESSURE VESSEL SPECIFICATIONS

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

Colour

 Natural  Blue  Grey  Black  Green

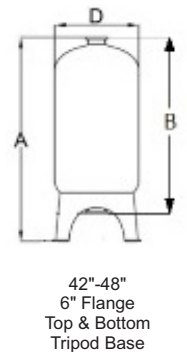
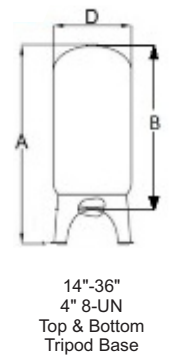
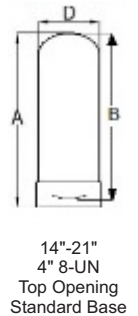
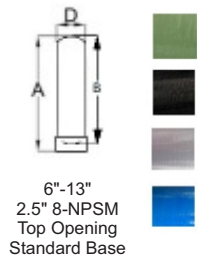


POLYSTARK Manufacturing Process



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

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



Sainath Industrial Corporation

UNIT I :- Plot No. D3-21, Bicholim Industrial Estate, Bicholim, Goa - 403529.

UNIT II :- Plot No. 4, Phase III, Honda Industrial Estate, Honda, Sattari - Goa 403530.

+91 832 236 3858 | +91 982 213 2061

sainath_indu@rediffmail.com | sainath.indu@gmail.com

www.sicgoa.com

Drink Pure, Think Pure