ARCLION®



FRP FILTER TANKS

Arclion FRP Filter Tanks are designed for water softening and filtration applications in industrial, commercial, and institutional settings. Available in various sizes and configurations, these tanks offer flexible options for water treatment system design.

KEY FEATURES

- Quality Assurance: Burst test at 4 times the design pressure
- Cyclic Fatigue Test: Tested for 100,000 cycles
- Arclion FRP tanks 735-1665 use 600 TEX fiberglass, with strong better pressur coefficient and satety factor
- The base is made from virgin material rather than recycled material, offering improved appearance and toughness.

APPLICATIONS

Versatile Solutions for Water Softening and Filtration Arclion FRP Tanks are designed for a wide range of water treatment applications, including water softening and filtration systems across industrial, commercial, and institutional sectors.

Suitable for Various Applications

- Industrial: Food processing plants and manufacturing acilities
- Commercial & Institutional: Hospitals, laundries,office buildings, restaurants, and condominiums
- Specialized Systems: Boiler feedwater systems, car wash facilities, and municipal water treatment

Compatible Filtration Applications

- Multimedia Filtration
- Activated Carbon Filtration
- Iron Removal Filtration
- Calcite Filtration
- Specialty Media Filtration

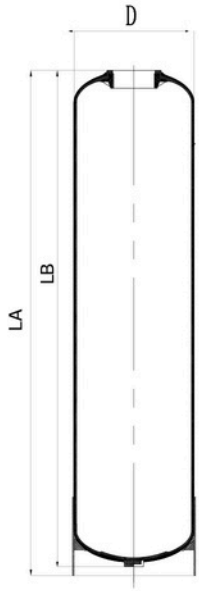
MATERIAL OF CONSTRUCTION

- Inner liner high density polyethylene
- Threaded inlet glass filled polypropylene

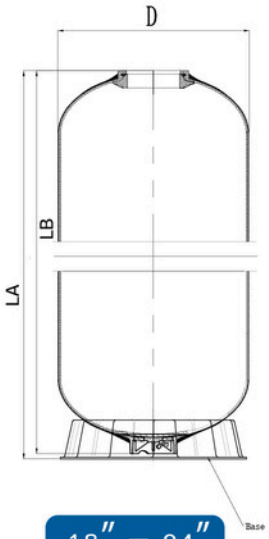
OPERATING PARAMETERS

- Maximum operating pressure: 150 psi (10 bar)
- Maximum operating temperature: 120°F (48.80°C)

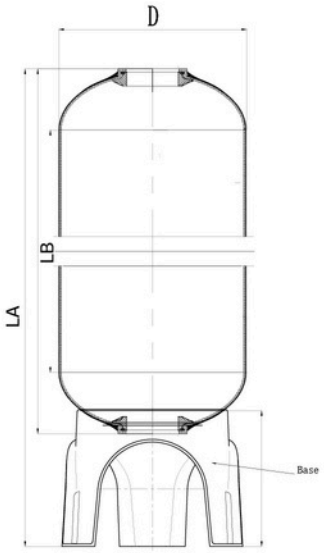
FPR TANK DIMENSIONS



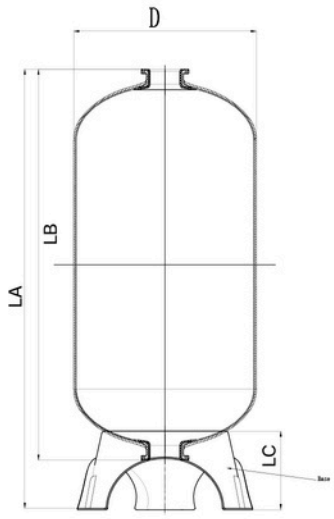
7″ – 16″



18″ – 24″



24″ – 36″



42″ – 48″

Remark :
Color Options: Custom Colors Available

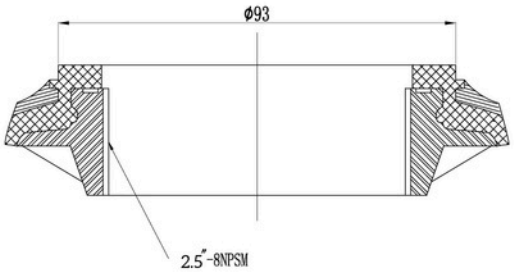
OPENING TYPES & CONFIGURATIONS

SELECT THE RIGHT OPENING CONFIGURATION

ARCLION FRP Filter Tanks are available with different opening types and base configurations to support a range of water treatment system designs

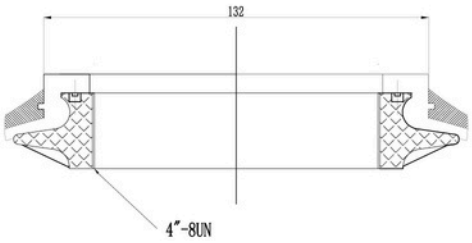
2.5″ – 8NPSM Threaded Opening

- **TYPE E** : GENERAL INDUSTRIAL APPLICATIONS
  Designed for general industrial applications, featuring a top opening and a standard base.
- **TYPE F** : CIVIL & COMMERCIAL APPLICATIONS
  Designed for civil and commercial applications, featuring a top opening and a round base.



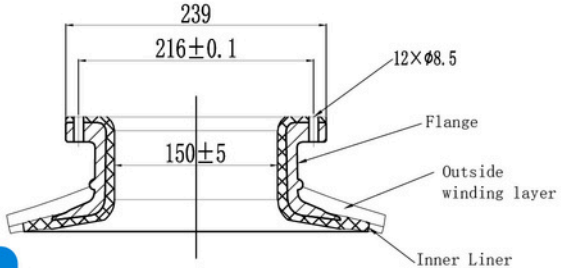
4″ – 8UN Threaded Opening

- **TYPE G** : GENERAL INDUSTRIAL APPLICATIONS
  Designed for general industrial applications, featuring top and bottom openings and a tripod base.



6″ FLANGED OPENING

- **TYPE H** : GENERAL INDUSTRIAL APPLICATIONS
  Designed for general industrial applications, featuring top and bottom flanged openings and a tripod base.



Remark : A dimensional variation of up to +1.2% may occur due to the properties of PE material.

TECHNICAL SPECIFICATIONS

Model	Vessel size (Ø *h) mm	Volume		Opening Size		Dimension				Base
		Litre	Gallon	Top	Bottom	LA	LB	LC	D	
735-2.5T	181 x 894	18.8	5	2.5"NPSM	-	894	879	-	181	PE Round
835-2.5T	206 x 885	25. 2	6.7	2.5"NPSM	-	885	875	-	206	PE Round
844-2.5T	206 x 1125	32.5	8.6	2.5"NPSM	-	1125	1115	-	8231	PE Round
948-2.5T	231 x 1225	43.7	11.5	2.5"NPSM	-	1225	1203	-	231	PE Round
1035-2.5T	258 x 896	38.8	10.2	2.5"NPSM	-	896	882	-	258	PE Round
1054-2.5T	258 x 1380	62.5	6.5	2.5"NPSM	-	1380	1366	-	258	PE Round
1248-2.5T	306 x 1233	77.5	20.5	2.5"NPSM	-	1233	1205	-	306	PE Round
1252-2.5T	306 x 1333	85.3	22.5	2.5"NPSM	-	1333	1325	-	306	PE Round
1354-2.5T	334 x 1350	102.3	27.0	2.5"NPSM	-	1350	1340	-	334	PE Round
1465-2.5T	358 x 1661	146.8	38.8	2.5"NPSM	-	1661	1656	-	358	PE Round
1665-2.5T	417 x 1668	191.7	50.6	2.5"NPSM	-	1668	1660	-	417	PE Round
1865-4"T	463 x 1655	235.0	62	4"- 8UN	-	1655	1635	-	463	PE Round
2162-4"T	541 x 1600	307.8	81.3	4"- 8UN	-	1600	1570	-	541	PP Round
2472-4"T	614 x 1884	460.5	121.6	4"- 8UN	-	1884	1844	-	641	SMC Round
2472-4"T-4"B	614 x 2080	460.5	121.6	4"- 8UN	4"- 8UN	2080	1820	1820	612	SMC Round
3072-4"T-4"B	765 x 2035	696.1	183.8	4"- 8UN	4"- 8UN	2035	1795	1795	763	SMC Round
3672-4"T-4"B	909 x 2090	969.2	255.9	4"- 8UN	4"- 8UN	2090	1790	1790	906	SMC Round
4272-6"T-6"B	1067 x 2200	1387.5	366.3	6"- Flange	6"- Flange	2200	1950	1950	1067	SMC Round
4872-6"T-6"B	1213 x 2260	1751.5	462.3	6"- Flange	6"- Flange	2260	1960	1960	1213	SMC Round



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