



Data Sheet of GFRP Modular Cylindrical Tank

SN	Description	Property	Comment
1	Max Internal Dia	38,100 mm	OD = 38,200 mm
2	Max Total Height	12,500 mm	Shell 11,000 mm
3	Top Roof	Walkabe, Non Walkable	Flat Ribbed self supported Hyperbolyc type
4	Bottom floor	Flat grp sheet or In situ lamination	Opt : Drain Sump
5	Glass content	55 - 70%	ASTM D2584
6	Max Weight / capacity	316 Tons	Net Cap 12,000 m3
7	Color	As per Client RAL no	Pigmented resin during process
8	Body construction	Single skin modular wall	Opt :Double insulated wall with Polyurethane thermal insulation density 40 Kgs/m3
9	Wall Panels dimensions	Max Width 3300 mm Max Width 2100 mm	For road transport For container
10	Chemical Resistance	Polyester resin for CIP Water Application and high temperature 60 degree Celsius	Vinylester resin for chemical to 85 degree celsius
11	Manufacturing process	Vacuum infusion / contact moulding	BS EN 13121-3 :2016
12	Access manway	Dia 600 mm	Top or side , W/Davit arm
13	Nozzles	GRP flanged type	Class #150/300 ASME B16.5
14	Seismic design	Zone 2A (IBC) UAE Std	-
15	Operating Pressure	ATM	-
16	Wind Velocity	160 Km/hr	-



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17	Design life	30 years	-
18	Corrosion resistant VE inner liner	Vinylester resin + Surface veil + Glass Mat ECR type 3 mm Vinylester resin + Surface veil + Glass mat ECR type 5 mm	For CIP water For HCL, NAOH, FECL2, NAOCL, SBS, MGSO4
19	Corrosion Resistant Thermoplastic liner	PVDF /ECTFE 3 mm	For Sulfuric acid 98 %
20	Max Recommended Chemical concentration & PH value	NAOCL 14 % , PH > 11 NAOH 50 % HCL 35 %	-
21	Tank Internal parts	Outlet vortex breaker Inlet internal distribution pipe Internal Chemical basket Internal baffle plates min 3 Internal Heater support Internal vertical Ribs Internal bolted joints caps	GRP /GRV GRP /GRV Perforated Mixing tanks GRP /GRV Min 2 /Panel GRP /GRV
22	Tank External Parts	Lifting lugs Mixer support roof channel Name plate Caged ladder upto 9m Rest platform w/ Safety rail Safety handrail on roof	SS 316 GRP SS316 GRP GRP GRP
23	Anchorage Wall flanged connections Roof flanged connections	Chemical anchor bolts Bolts, Nut, Washer Bolts, Nut, Washer	SS 316 / A4 SS 316 / A4 SS 316 / A4
24	Applications	SWRO / Desalination / Oil & Gas / Waste Water / District Cooling	-

