



# Data Sheet of GFRP Vertical Cylindrical Tank

SN	Description	Property	Comment
1	Max Internal Dia	4,500 mm	OD = 4550mm
2	Max Total length	14,000 mm	Shell 12,875mm
3	Top Roof Height	1125 mm	Semi Elliptical
4	Bottom floor	Flat with slope	Opt : Drain Sump
5	Glass content	60 – 70%	ASTM D2584
6	Max Weight / capacity	13,000 Kgs	Net Cap 180,000 liter
7	Color	As per Client RAL no	Pigmented resin during process
8	Body construction	Single wall	Opt :Double insulated wall with Polyurethane thermal insulation density 40 Kgs/m3
9	Chemical Resistance	Polyester resin for CIP Water Application and high temperature 60 degree Celsius	Vinylester resin for chemical to 85 degree Celsius
10	Manufacturing process	Filament winding / contact moulding	BS EN 13121-3 :2016
11	Access manway	Dia 600 mm	Top or side , W/Davit arm
12	Nozzles	GRP flanged type	Class #150/300 ASME B16.5
13	Seismic design	Zone 2A (IBC) UAE Std	-
14	Operating Pressure	ATM	-
15	Wind Velocity	160 Km/hr	-



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16	Design life	30 years	-
17	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
18	Corrosion Resistant Thermoplastic liner	PVDF /ECTFE 3 mm	For Sulfuric acid 98 %
19	Max Recommended Chemical concentration & PH value	NAOCL 14 % , PH > 11 / NAOH 50 % / HCL 35 %	-
20	Tank Internal parts	Outlet Vortex Breaker Inlet Distribution Type Inlet Chemical Basket Internal baffle plates min 3 Internal Heater support	Mixing Tank Opt (Heater)
21	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 (Mixing Tank) SS316 GRP GRP GRP
22	Anchorage	Chemical anchor bolts	SS 316 / A4
23	Applications	SWRO / WWTP / MINING / Oil & GAS / CHEMICAL PLANTS	-

