

Introduction of S/F, F/F dual-layer oil storage tank

S/F dual-layer oil storage tank is more safety, environmental protection and economically, **S** means **steel** for inner tank which contacts with oil fuel, like petroleum, diesel etc, **F** means **FRP** for outer shell which contacts with soil, it is corrosion resist, isolation etc, **S/F dual-layer oil storage tank** manufactured with professional equipments, and there is interlay clearance between internal steel layer and external FRP layer, high-precision inspection device is connected with the interlayer clearance, monitoring the leakage all the time. It's features are as below:

1. Safety

- 1.1 Internal layer- made by Q235 steel plate with 6-8mm thickness.
- 1.2 External layer-fiberglass reinforced layer, it's thickness is ≥ 4 mm, It possess excellent property such as compression resistant, shock resistant, corrosion resistant and electrochemical corrosion resistant.
- 1.3 The interlayer space is formed by sole technology, the leakage detector keeps 24 hours monitoring, to avoid the hidden trouble absolutely.

2. Environmental protection

- 2.1 The external FRP layer can prevent the contamination of the soil and water source from the leakage.
- 2.2 The external FRP layer will not generate electrochemical reaction with underground water or salt water.
- 2.3 The external FRP lamination can't produce chemical reaction with gasoline, diesel and gasoline including lead.
- 2.4 The installation of the leakage detector is convenient, just put the sensor into monitoring pipe. The output will be connected with monitor device and power source, and then can keep the monitoring for 24hours.
- 2.5 It is very convenient to check and maintain the leakage monitoring system, and protect the soil and water ecological environment.

3. Economic practically

- 3.1. The service life of the S/F dual-layer oil storage tank is 3~5 times of the common single layer oil tank, at least 30 years. The convenient installation can shorten the construction period and decrease the investment.
- 3.2 Remote monitor system is convenient to the daily and periodic inspection and test, the digital control can release the complicated manual operation.

List of common dimension of S/F dual-layer oil storage tank

No.	Volume(m ³)	Dimension (mm)
1	20	φ2200*5572
		φ2400*4762
2	30	φ2400*6976
		φ2600*6020
3	40	φ2600*7903
4	50	φ2600*9787
		φ2800*8518

It's dimension is customized as per clients' requirements.

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