



PROJECT SOLUTIONS

Mobile Fuel Station

MODEL:MFS-01⁸⁴⁷⁹⁸⁹⁹⁹⁹⁰

S/N	Size	Tank Capacity	Layer	Chamber/oil type	Thickness
1·	20ft	5000L~25000L	double wall	1 Chamber	6mm+3mm
				2 Chambers	6mm+3mm
2·	40ft	30000L~60000L	double wall	1 Chamber	6mm+3mm
				2 Chambers	6mm+3mm

Mobile fuel container Configuration

	Configuration	Y/N	Description details
1	Explosion-proof storage tank	Yes	Inside 6mm and outside 3mm double-layer carbon steel, anti-corrosion treatment inside the tank body
2	Double compartments	Option	For double products
3	Explosion-proof material	Option	AQ3002-2005 stipulates the type IV material, the explosion-proof pressurization is less than 4%, and the filling density is 27Kg/m ³
4	Explosion-proof fuel dispenser	Option	Refueling machine with flow meter, LCD display, for single or double products, diesel large flow gun, fuel pipe length is 6 meters;
5	Emergency shut-off valve	Option	one for each fuel nozzles
6	Unloading pump	Option	Dedicated vertical skid mounted unloading pump, flow rate 20M ³ /hour, head 20M, motor is flameproof (dII), protection class is IP55/pipe diameter DN65, quick connection for oil discharge port DN80 self-sealing ball valve
7	Level gauge	Option	Magnetic flap type liquid level gauge
8	Anti-overflow system	Option	Mechanical anti-overflow valve
9	Oil and gas alarm system	Option	with concentration display and audible and visual alarm system, installed in the fueling operation site or unloading pump valve room, explosion-proof mark EXDII BT4, protection class IP65
10	Sealed loading and unloading system	Yes	DN65 self-sealing ring valve is used for the quick joint of the oil discharge port
11	Oil outlet system	Yes	DN40 oil outlet pipe, equipped with maintenance protection device
12	Emergency cut-off device	Yes	DN40 mechanical emergency cut-off valve, automatically cut off oil in case of fire or emergency
13	Anti-back flow system	Yes	prevents the back flow of oil in the unloading pipeline after unloading, ensuring the safety of the unloading process and protecting the sanitation
14	Explosion-proof fire retardant breathing valve	Yes	The working pressure of the breathing valve is 2kpa-3kpa, and the working negative pressure is 1.5kpa-2kpa/ ZFQ-1 Class C
15	Anti-static system	Yes	Contains electrostatic grounding alarm, aluminum alloy electrostatic clamp connected to the oil unloading truck (grounding terminal 3 m wire, clamp end 4 m wire), grounding copper braided wire, 4 grounding poles (ensure grounding resistance <4Ω)
16	Oil leakage detection device	Yes	barrel sight glass, can quickly detect the tank leakage
17	The manual oil measuring system	Yes	It is used to periodically check the accuracy of the electronic liquid level gauge, and at the same time, it can detect the volume of oil in the tank when the electronic liquid level gauge fails or is powered off
18	Automatic fire extinguishing system	Yes	Superfine dry powder fire extinguishing agent, filled with a proper amount of driving gas nitrogen, technical performance meets GA78-94 standard, the nozzle of the device is equipped with a temperature sensitive glass nozzle, and the starting temperature is 68°C

19	Emergency pressure relief device	Yes	When the internal pressure is too large and the breathing valve can no longer effectively reduce the pressure, the emergency pressure relief device will explode and play a rapid pressure reduction effect, with an air output of 7000m ³ /Min
20	Power supply system	Yes	Explosion-proof distribution box BXMD-61, 380V incoming line power supply, all circuit systems of the equipment are explosion-proof treated and effectively grounded
21	Lighting system	Yes	Explosion-proof ceiling lamp, integrated design, explosion-proof mark Exe II T4
22	Cleaning device	Yes	The cleaning port is reserved to clean the tank body on the premise of ensuring the overall explosion-proof performance
23	Safety Auxiliary Facilities	Yes	The tank is provided with a removable ladder
24	Primary oil and gas recovery system	Yes	Set a primary recovery line, which is used together with the oil discharge line to form a closed circulation system that can effectively suppress oil and gas vitalization
25	Anti-corrosion measures	Yes	The whole equipment is sandblasted, external three-layer paint spraying, epoxy zinc-rich primer 80 microns, epoxy cloud iron middle paint, polyurethane topcoat