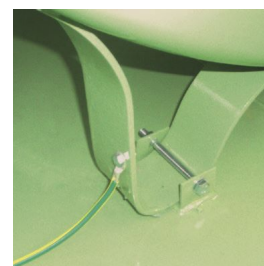
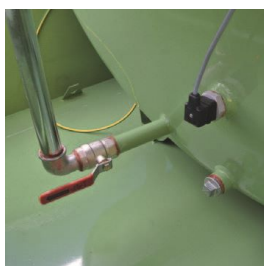




Tank Fuel

Above ground fuelling tanks for Diesel fuel storage and dispensing with 110% bunded

NEW



Description

Homologated by Italian Ministry of Interior in accordance with Italian M.D. 31/7/34 Title I N. XVII and subsequent renewals and extensions; in compliance with D.M. 22/11/17.

Tanks are of horizontal cylindrical type, manufactured by using shell plates and dished ends, made of carbon steel quality S235JR according to UNI EN 10025, watertight electro-welded (gas metal arc welding process), provided with anti-roll supports, primed with a rust preventing coating and finished with a layer of green paint. Tanks are delivered pressure-tested and ready-to-use. Tank Fuels are equipped with a containment basin designed to hold 110% of the tank's volume. It is provided with 4 anchoring clamps, grounding connection point, drain plug for routine maintenance and cleaning and 4 housings suitable for fixing the uprights of the roof system. Tanks are realized in compliance with D.M. 22/11/2017 of Italian Ministry of Interior.

Tank Fuels are also equipped with a fuel transfer unit which can consist of a pump unit in a metal cabinet or of a fuel dispenser. Available Capacities: 490, 1.000, 1.300, 2.400, 3.000, 5.000, 6.000, 7.000 and 9.000 L

CONTAINMENT BASIN:

All tanks are provided with a containment basins, made of carbon steel sheets, quality S 235 JR - UNI EN 10025, self-supporting base frame and designed to be bolted to the tank's bottom supports; these basins, 110% bunded, can be placed on any type of surface (even for permanent installation) and are designed according to the volume of the tank and in compliance with the safety limitations set in the Italian Ministerial Decree 22/11/17. They are provided complete with lifting plates, grounding connection point, drain plug for routine maintenance and cleaning, 4 housings suitable for fixing the uprights of the roof system and 4 anchoring clamps. They are also completely primed with a rust preventing layer and finished with a layer of protective paint.

Main features

- Ø 400 mm manhole complete with oil gasket and tight bolted cover.
- 3" filling plug with lockable quick cap.
- Mechanical overflow prevention valve calibrated to interrupt the fuel flow at 90% of the tank's volume.
- Vent device with flame arrestor mesh h 240 cm from ground.
- Mechanical float operated tank contents gauge with planetary gear, adjustable scale in cm.
- Anti-roll support legs and anchoring clamps.
- Tank drainage point provided with a safety cap for routine maintenance and cleaning.
- Suction point equipped with check valve and ball valve.
- Equipotential grounding point.
- For the TF5, TF6 and TF7 versions, steps and non-slip support surface are provided.
- For the TF5D and TF9 versions there is a stepladder.

Outfittings

DISPENSING CABINETS

- Oven-baked powder coated metal cabinet with hinged front door and equipped with safety lock.
- Switchboard contained in a dedicated IP 55 protection box including on/off switch, emergency button and the minimum level pump shut-off device.
- Self-priming rotary vane electro-pump, flow rate 50-70-90 L/min, built in by-pass system, line strainer, 230 V AC single-phase motor or 400 V AC three-phase motor (also available with manual rotary pump or battery pump). Pumps consist of a cast-iron casing, sintered steel rotor and acetalic resin blades and mechanical seals. Grade of protection: IP55.
- Mechanical fuel meter, nutating-disk type, designed for non-commercial use only; it consists of a mechanical readout device with rotating wheels. Subtotals can be set to zero. Progressive total counter. Accuracy: +/- 1% of the flow range after calibration. Repeatability 0,2%, max operating pressure 10 bar.
- 4 m of rubber hose for oil and Diesel fuel.
- Automatic fuel nozzle.

TANK FUEL EQUIPPED WITH ES-PUMP DISPENSERS

- TF/GLM-M: mechanical type sturdy and reliable dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Flow rate 70 L/min or 90 L/min.
- F/GLM-C: Sturdy and reliable dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Equipped with electronic head and calculator, MC box system, a multi-user system (up to 80 users/keys) which enables the control of the fuelling operations and the monitoring of the fuel consumption. It can be operated only by authorized personnel provided with user codes and magnetic keys. The total consumption per each user is recorded directly on the electronic system which is able to store data of the latest 250 operations. Dedicated software for printing reports of the refueling operations and individual user summaries is available.

TANK FUEL EQUIPPED WITH FUEL DISPENSERS

- TF/Eco: Industrial type fuel dispenser, electronic or mechanical head, volumetric rotary vane suction pump, flow rate 70 L/min, antistatic rubber hose, automatic fuel nozzle, corrosion resistant chassis and panels. Single-phase 230V or three-phases 400V motor ATEX certified in compliance with European Directive Atex 94/9/CE. EC certified and approved for Class C fuels.
- TF/CVTV: Integrated unit which consists of a fuel dispenser with an incorporated refueling management system. It is based on TF/Eco dispenser on which is installed the Emiltouch fuel management system.
- TF/Fimac: Industrial type fuel dispenser, electronic or mechanical head, volumetric rotary vane suction pump, flow rate from 50 to 120 L/min, antistatic rubber hose, automatic nozzle, corrosion resistant chassis and panels made in stainless steel. Single-phase 230V or three-phases 400V motor ATEX certified in compliance with European Directive Atex 94/9/CE. EC certified, metrical compliant and approved for Class C fuels.
- TF/QUANTIUM: Industrial type fuel dispenser, compact design, island-oriented with hose hook, piston meter with integrated pulser, electronic calculator with LCD displays volumetric rotary
- vane suction pump, flow rate from 40 to 130 L/min, antistatic rubber hose, automatic nozzle, corrosion resistant chassis and panels. EC certified and metrical compliant.
- TF/Cube 50-70: Cube 50 and Cube 70 dispensing units, consisting of an oven-baked powder coated metal self-bearing frame equipped with a self-priming volumetric vane pump assembled to a 230V - 50 Hz motor, flow rate 56 L/min or 70 L/min, including by-pass valve, line strainer, mechanical non-commercial fuel meter, 4 m of rubber hose for oil and Diesel fuel and automatic fuel nozzle.
- TF/CUBE 70 MC: Consists of a CUBE Fuel Dispenser equipped with an electronic control panel. The MC system is a multi-user panel with a dedicated software and devices to export data to a PC. It can be operated only by authorized personnel provided with user codes and magnetic keys. The total consumption per each user is recorded directly on the electronic system which is able to store data of the latest 250 operations.



Emiltouch®

Refuelling operations control, monitoring and management system.



ES Level

Electronic fuel level gauge, magnetostrictive technology.



Hose reel

Fuel handling and delivery equipment.



OCIO

Tank level indicator



Securbox

Metal box made with trapezoidal self-bearing zinc-coated sheeting to shelter Tank Fuel for roof replacement.



Tank Fuel Roofing system

Roofing System



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



Filter Clearcaptor 70

For diesel. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min



Filter Acquasorb F98

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 90 l/min.



Mechanical flow meter K33 for diesel



Mechanical flow meter K44

Technical data

Model	Capacity (lt)	Reservoir				Basin 110%			Basin 50%		
		Highness (mm)	Diameter (mm)	Fasciame (mm)	Lenght (mm)	Lenght (mm)	Width (mm)	Highness (mm)	Lenght (mm)	Width (mm)	Highness (mm)
TF1L	975	1200	950	1250	1500	1900	1050	550	1900	1050	260
TF1	1270	1360	1100	1250	1500	2250	1400	480	1800	1250	300
TF2	2482	1520	1270	1800	2060	2400	1750	650	2350	1400	380
TF3	3172	1670	1430	1800	2080	2450	1900	750	2450	1500	410
TF5D	4941	1850	1600	2250	2550	3200	1850	950	3200	1750	470
TF5	5320	1850	1600	2500	2800	3200	1850	1000	3200	1750	470
TF6	5946	1850	1600	2750	3050	3500	1900	1000	3500	1750	500
TF7	7185	1950	1700	3000	3350	3850	2100	1000	3800	1900	500
TF9	8995	2130	1900	3000	3400	4000	2250	1100	3900	2100	555

Product code

Tanks with dispensing cabinet		
TF	X	X
Model TF = Tank Fuel	Volume 9 = 9000 l 490 = 490 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5D = 4941 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	Cabinet /MAN = Pump rotary - Nozzle manual /BAT = Pump 60 l/min - Nozzle automatic 80 l/min /A50 = Pump 55 l/min - Nozzle automatic 60 l/min /A70 = Pump 70 l/min - Nozzle automatic 80 l/min /A90 = Pump 120 l/min - Nozzle automatic 80 l/min
Not all combinations are available		

Tanks with distributor		
TF	X	X
Model TF = Tank Fuel	Volume 9 = 9000 l 490 = 490 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5D = 4941 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	Distributor /C50 = Cube 50 /C70 = Cube 70 /7MC = Cube 70MC /70M = GLM70-M /70C = GLM70-C /10M = GLM100-M /10C = GLM70-C /ECO = ECO GPM /FMC = FIMAC INDUSTRIAL /MID = FIMAC INDUSTRIAL MID /CTV = CVTV
Not all combinations are available		

Operational images

