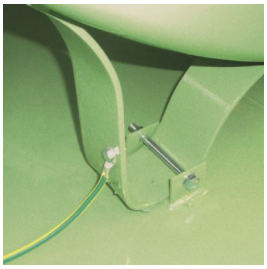
Single wall vertical Tank Fuel

Vertical steel tanks for diesel fuel, single wall with containment basin

Manhole with accessories

Air vent device h 240 cm



Tank's grounding system

Description

Tanks are of vertical 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 containmet 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.

ROOFING SYSTEM

Roof system for protection against bad weather conditions, composed of a sturdy zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting. It is designed to be easily and rapidly mounted and bolted to the Tank's containment basin.

Main features

- Ø 400 mm manhole complete with oil gasket and tight bolted cover.
- 3" filling plug with lockable quick cap.
- Mechanical overfill 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.
- From 2.400 L model, there is a stepladder.

Outfittings

DISPENSING CABINETS

- Oven-baked powder coated metal cabinet with front door 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).
- Mechanical fuel meter, nutating-disk type, for non-commercial use only. Subtotals canbe set to zero. Progressive total counter.
- 4 m of rubber hose for oil and Diesel fuel
- Automatic fuel nozzle.

ES-PUMP DISPENSERS

- TF/GLM-M: mechanical dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Flow rate 70 L/min or 90 L/min.
- TF/GLM-C: electronic dispenser for non- commercial use equipped with head and calculator, MC box system, a multi-user system (up to 80 users/keys) for the control of the fuelling operations and the consumption monitoring. It can be operated only by authorized personnel and it's able to store data of the latest 250 operations. Flow rate 70 L/min or 90 L/min.

FUEL DISPENSERS

- TF/Eco: Industrial type fuel dispenser, flow rate 70 L/min, 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, flow rate from 50 to 120 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/QUANTIUM: Industrial type fuel dispenser, flow rate from 50 to 130 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/Cube 50-70: Dispensing units consisting of an oven-baked powder coated metal selfbearing 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, by-pass valve, line strainer, mechanical noncommercial fuel meter, 4 m of rubber hose for oil and Diesel fuel and automatic fuel nozzle.
- TF/CUBE 70 MC: 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. Electronic system is able to store data of the latest 250 operations.

Accessories

Emil Level

Remote control system for monitoring the fuel level in the tank

Emilcloud®

Cloud-driven integrated system for complete fuel management. From refueling to your online account.

Emilprobe®

Alarm system that continuously monitors, in text and graphic form, the liquid in the tank (actual volume, level, temperature and the presence of water)

ES Level

Electronic fuel level gauge, magnetostrictive technology.

OCIO

Tank level indicator

Hose reel

Fuel handling and delivery equipment.

Mechanical flow meter K33 for diesel

Mechanical flow meter K44

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.

Single wall vertical Tank Fuel Roofing system

- EMILTOUCH - Fleet refuelling control, monitoring and management system.
- Electronic level gauges as OCIO and ES-LEVEL.
- Hose reels: manual or spring retractable.
- Wide range of filters for superior inline filtration protection.
  - ES-Filter: up tp 70 l/min; Filtering capacity: 10µm water absorbing and 5µm impurities.
  - Water absorber filter (µ30) for flow-rates up to 60 l/m.
  - Water and impurities absorber filter (µ25) for high flow-rates.
  - Impurities separator filter (µ10).

Technical data

		Reservoir			Basin 110%			Basin 50%		
Model	Nominal capacity (lt)	Diameter (mm)	Fasciame (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
TF490VMP	498	900	625	1,250	1,010	1,010	540	1,010	1,010	250
TF1LVMP	975	950	1,250	1,790	1,400	1,250	620	1,400	1,050	380
TF1VMP	1,276	1,100	1,250	1,860	1,500	1,635	600	1,500	1,250	360
TF2VMP	2,395	1,270	1,800	2,420	1,800	1,650	900	1,650	1,400	550
TF3VMP	2,970	1,430	1,800	2,430	2,000	1,700	970	1,850	1,600	540
TF5VMP	5,021	1,700	2,000	2,650	2,400	1,850	1,250	2,400	1,850	600
TF6VMP	6,367	1,900	1,800	2,550	2,600	2,250	1,100	2,500	2,200	530
TF9BVMP	8,780	2,300	1,800	2,650	3,600	2,450	1,100	2,800	2,450	650

Product code

Tanks with dispensing cabinet

TF	X	X	X
Model	**Wall**	**Volume**	**Cabinet**
TF = Tank Fuel	**VMP** = Single wall vertical	**9** = 9000 l **1L** = 1000 l **1** = 1300 l **2** = 2400 l **3** = 3000 l **5** = 5000 l **6** = 6000 l **7** = 7000 l	**/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	X
Model	**Wall**	**Volume**	**Distributor**
TF = Tank Fuel	**VMP** = Single wall vertical	**9** = 9000 l **1L** = 1000 l **1** = 1300 l **2** = 2400 l **3** = 3000 l **5** = 5000 l **6** = 6000 l **7** = 7000 l	**/10C** = GLM100-C **/C50** = Cube 50 **/C70** = Cube 70 **/7MC** = Cube 70MC **/70M** = GLM70-M **/70C** = GLM70-C **/10M** = GLM100-M **/10C** = GLM100-C **/ECO** = ECO GPM **/FMC** = FIMAC INDUSTRIAL **/MID** = FIMAC INDUSTRIAL MID **/CTV** = CVTV

Not all combinations are available