

## DTO



DTO 10  
&  
DTO 90



DTV 05

## TECHNICAL DATA

**STORAGE TANK:** Horizontal cylindrical single wall tank, **approved by the Italian Ministry of Interior**, built in carbon steel sheet EN 10025, fitted with support saddles, anti-roll bases and grounding connections in AISI 304. Externally treated with: acid cleaning, one coat of primer and a finish coat of environmental friendly water based paint.

The DIESEL TANK is equipped with:

- Flanged manhole diam. Ø 420 mm., complete with:
  - 3" tank loading port fitted with brass quick coupling;
  - Homologated overfill shut-off prevention valve acting at 95% of tank capacity;
  - 1" ½ (2") vent pipe fitted with flame-arrestor terminal;
  - Mechanical floating level sensor with analogue clock dial;
  - 1" spare port;
- Lifting lugs for empty tank handling;
- 1" suction line with ball valve, in line check valve VRL calibrated at 0,2 bar and SS galvanized pipe to dispenser unit;
- 1" draining with dust cap;

**CONTAINMENT BASIN:** self sustaining metallic containment basin with capacity equal to 110% of the tank capacity, fitted with support skid suitable for positioning on every kind of ground, internal supports for tank, grounding connection and bottom drainage point with cap.

**DISPENSER UNITS:** diesel tank can be fitted with pumping and refuelling system to suit the customer requirements. Such systems range from basic version for light duty and/or private use up to heavy duty industrial dispenser with different configurations/ flow rates (40÷130 l/min). Dispensing unit can be enclosed in a cabinet when a high protection from weather conditions and/or other requirements are required, an electronic monitoring system can be used for greater security.

**PROTECTION ROOF** consisting of a robust self-supporting frame in galvanized steel, with top cover in corrugated galvanized metal sheet and supporting poles for easy assembling.

Model	Capacity (lt.)	DTO Dimensions (mm.)	BO Dimensions (mm.)	TO Dimensions (mm.)
DTV 05 *(vertical)	490	Ø 900 x 1280	1200 x 1200 x 380h	-
DTO 10	950	Ø 900 x 1730	1500 x 2200 x 335h	1750 x 3000 x 2500h
DTO 15	1.500	Ø 1100 x 1750	1500 x 2200 x 500h	1750 x 3000 x 2500h
DTO 20	2.000	Ø 1270 x 1750	1500 x 2200 x 670h	1750 x 3000 x 2500h
DTO 35	3.500	Ø 1600 x 1810	1800 x 2400 x 890h	2080 x 3000 x 2750h
DTO 50	5.000	Ø 1600 x 2560	2000 x 3000 x 920h	2280 x 4000 x 2750h
DTO 70	7.000	Ø 1700 x 3320	2000 x 3800 x 1017h	2280 x 4000 x 3100h
DTO 90	9.000	Ø 1900 x 3370	2250 x 4000 x 1100h	2450 x 4000 x 3100h

Actual capacity is 90% of the nominal capacity indicated in the table.

The company reserves the right to modify the information contained in this catalogue without any prior notice.

## Delivery units and dispensers for DTO aboveground tanks



### Box mounted pumps units mod. MK / 5K / 6K / 8K / 10K / 12K

Lockable metal cabinet complete with: suction line **filter**, self-priming **electric pump** complete with filter and by-pass valve, max flow rate 50 lpm (**mod. 5K**) - 60 lpm (**mod. 6K**) - 70 lpm (**mod. 8K**) - 90 lpm (**mod. 10K**), with 230 V single-phase motor or 400 V three-phase motor or supply voltage 12 V. DC (**mod. 12K**); volumetric **flow meter** with mechanical indicator, rese'able counter, non resettable totalizer; 5m delivery **hose** with pressure couplings; **automatic dispensing nozzle** with swivel joint; electronic start/stop switch, with pump interlock at the minimum level activated by means of a manostat. Possibility to have the **manual rotary pump**, max flow rate 50 lpm (**mod. MK**).



### Mini-electric dispenser mod. CK 50 / CK 70

Self-supporting mini dispenser complete with: suction line **filter**; self-priming **electric pump** complete with filter and bypass valve, flow rate 50 lpm (**mod. CK 50**) - 70 lpm (**mod. CK 70**), with 230 V; **volumetric flow meter** with mechanical indicator, resettable counter, non-resettable totalizer; 5m delivery **hose** with pressure couplings; **automatic dispensing nozzle** with swivel joint; lockable nozzle holder with start/stop handle.



### Mini-electric dispenser mod. CK 70 MC

Self-supporting mini dispenser complete with: suction line **filter**; self-priming **electric pump** complete with filter and bypass valve, flow rate 70 lpm, with 230 V single-phase motor; **electronic flow meter** model K 600, geared type, accuracy  $\pm 0,5\%$ ; electronic control unit to handle up to 50 users, complete with numeric keypad and lcd display; 5m delivery **hose** with pressure couplings; **automatic dispensing nozzle** with swivel joint; lockable nozzle holder with start/stop handle.



### Dispensers mod. SS 70 - 100 MC / SS 70 - 100 FM

Self-standing steel dispenser complete with: suction **line filter**; self-priming **electric pump** complete with filter and bypass valve, flow rate 70 lpm (mod. SS 70 MC and FM) - 90 lpm (mod. SS 100 MC and FM), with 230 V single-phase motor; electronic flow meter model K 600, geared type, accuracy  $\pm 0,5\%$ ; electronic control unit to handle 80 users (mod. SS 70 and 100 MC) up to 120 users (mod. SS 70 and 100 FM), complete with numeric keypad and lcd display; 5m delivery **hose** with pressure couplings; **automatic dispensing nozzle** with swivel joint; lockable nozzle holder with start/stop handle; automatic shut-off device when the pump minimum level is reached; internal printer to issue a refuelling report after each use (mod. SS 70 and 100 FM); **electronic level indicator**.



### Dispensers mod. GPM 50

Dispenser unit for private use made of solid corrosion resistant self supporting frame and panels coated with high quality enamel paint. Dispenser is complete with: self priming vane **pump**, compact execution, available flow rate 70 lpm - 220 V or 50 lpm - 380 V, high accuracy flow meter ( $\pm 0.2\%$ ), piston type, back lighted **electronic display** complete with resettable and non resettable counter, fitted with communication port for electronic data transfer with other devices, refuelling **hose** 5 m length, suitable for hydrocarbon products in accordance with EN 1360, **automatic refuelling nozzle** with 1" 5 m antistatic delivery hose (diam. 25 x 38).



### Industrial dispensers mod. Q 110 - Q 210

Self-supporting electronic industrial dispenser complete with: self-priming electric pump complete with filter and bypass valve, flow rate 40/50/80/130 lpm (mod. Q 210 not available 130 pm.), with outgassing chamber, suction line basket strainer, bypass valve and floating deaerator; 400 V explosion-proof motor; piston-operated flow meter, accuracy  $\pm 0,2\%$  (double flow meter for mod. Q 210); single-sided electronic header (double header for mod. Q 210), with backlit display; automatic shutoff nozzle fitted with 1" antistatic hose (double nozzle for mod. Q 210), with swivel joint; pulser for the data transfer to the fleet management system.