

Product Datasheet  
**DIESEL DEFENCE DD250**



# The next generation of on-tank fuel polishing units

## DIESEL DEFENCE DD250

### On-tank fuel polishing

When diesel is bulk stored without treatment for extended periods it will become contaminated with water and particulates. This is harmful to an engine as it can clog filters, damage fuel injectors or cause total engine failure.

Diesel Defence on-tank fuel polishing systems offer a simple and reliable solution. Through a process of recirculation fuel is continually passed through a series of filters, removing the harmful contaminants and maintaining an optimum EN590 level of cleanliness.

With a flow rate of 250 litres per minute, the DD250 is recommended for tanks holding between 75,000 and 150,000 litres of fuel (dependent upon tank and fuel condition).

### Removes water

Advanced water absorbing filters remove virtually all free and emulsified water which can damage engine injectors.

### Removes bacteria and solid particulates

Single and multi-stage filtration removes solid and microbial contamination to 5 microns or less.

### Reliable fuel quality

Fuel is maintained to surpass ISO 4406's 18/16/13 standard of cleanliness and EN590's 200ppm level of water content.



## Product Datasheet

### DIESEL DEFENCE DD250



Long term protection for fuel  
Maintains the quality of stored diesel  
Improves the reliability of critical systems  
Treats the fuel before it reaches the engine or day tanks  
Circulates fuel to prevent build up of contamination in stagnant parts of the tank

## Spécifications

Flow rate (litres per minute)	250
Suggested tank size (litres)	75,000—150,000
Voltage (volts)	230 (nominal voltage)
Frequency (hertz)	50 (nominal frequency)
Max. Variations	Voltage: +/- 10% Frequency: +/- 2% of nominal value
Nominal Motor Wattage	230V/50Hz = 4.3kW
Nominal Motor Current (Amp)	230V/50Hz = 7.5A
7-day timer	Yes
IP Rating of enclosure	65
Filter change alarm	Yes
Fuel bund alarm	Yes
Low flow rate alarm	Yes
E-stop alarm	Yes
Particulate filter (µm)	1, 5, 10, 25
Finishing filter (µm)	1, 5, 10, 25
ISO particle counter	Optional
Alarm beacon	Optional
Touch screen controller	Yes
Dimensions	1500mm(h) x 1700mm(w) x 850mm(h)
Inlet/Outlet Connection	2" BSPP FEMALE

## Standard Features

- Password-protected touch-screen controller
- Connection to Building Management System
- Particulate filter - 1, 5, 10 or 25 µm
- Finishing filter - 1, 5, 10 or 25 µm
- Fuel isolation valves
- Filter blocked/change alarm warning
- Schneider controls

## Optional Features

- Weather Proof Mild Steel External Enclosure
- External Alarm Beacon
- ISO Particle Counter
- Stainless steel enclosure
- ADV Dosing System
- Flanged, Quick Release Connection

## Services supplémentaires

- DieselCheck Fuel Testing
- ClearTank Fuel Cleaning
- ADV Fuel Stabilisation



*Protect your engine*

DS Activity S.A.

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