



The next generation of on-tank fuel polishing units

DIESEL DEFENCE DD10

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 10 litres per minute, the DD10 is recommended for tanks holding up to 7,500 litres of fuel (dependent upon tank and fuel condition).

Removes water

Advanced water coalescing 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 2 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 DD10



- 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

Specifications

Performance and Features

Flow rate (litres per minute)	10
Suggested tank size (litres)	2,500 - 7,500
Voltage (volts)	230
7-day timer	Yes
IP Rating of enclosure	65
Filter change alarm	Yes
Water in fuel alarm	Yes
Fuel bund alarm	Yes
Low flow rate alarm	Yes
E-stop alarm	Yes
Particulate filter (μm)	2, 10, 30
Finishing filter (μm)	No
Water removal filter	Yes
Water absorbing filter	No
Alarm beacon	No
Touch screen controller	No
Dimensions	800mm(h) x 600mm (w) x 400mm(d)

Standard Features

- Single stage filtration
- Water coalescer
- Particle filtration down to 2 microns
- Push button and 7-day timer start/stop
- Fuel isolation cut off solenoid
- Filter blocked/change alarm warning
- Water drain alarm warning

Optional Features

- Enclosure (vented with extractor fan)
- Manual water drain with water capture
- External Alarm Beacon
- Main filter element choices - 2, 10 and 30
- Available flanged for 'pipe in pipe' connection

Additional Services

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



Layout



