Fuel Stabiliser - Product Overview

Magnetic fuel treatment system

The **Fuel Stabiliser** is installed directly in the fuel line.

As the fuel passes through the unit, it is exposed to a permanent magnetic field, with no moving mechanical parts and no replaceable filter elements.

This treatment helps counteract the conditions that promote microbial aggregation and fuel deterioration.

A complementary treatment designed to be used together with a fuel-water separation

Main features

In-line installation

The unit is installed directly in the fuel circuit.

No moving parts

Operation does not require mechanically driven components or an electrical power supply.

No filter cartridges

The device does not use replaceable filter elements.

Different models available

The range includes units with different flow capacities and connection sizes.

The Fuel Stabiliser does not physically remove water, sludge or solid particles. For this purpose, it must be used together with a **Micro Separator** or another dedicated fuel-water separation system.

Available for flow rates from 110 to 5,600 litres per hour.

Why fuel can deteriorate

During transport, storage and circulation within the system, fuel may come into contact with water, oxygen, sediment and contaminants.

Where water is present, particularly at the interface between water and fuel, microorganisms may develop and form residues that can contribute to clogged filters and restricted fuel lines.

Water contamination
Condensation, leakage or contaminated fuel deliveries may introduce water into the tank.

Prolonged storage
Over time, fuel may be affected by oxidation and degradation, especially when stored under unsuitable conditions.

Microbial contamination
Bacteria, yeasts and fungi may develop in the presence of water and form sludge, deposits and microbial aggregates.

The presence of water is one of the main factors that promotes microbial contamination in fuel.

Water monitoring, periodic tank draining, cleaning of fuel lines and correct filtration remain essential. The Fuel Stabiliser is used as a complementary component within a broader fuel-treatment system.

Fuel Stabiliser range

Fuel Stabiliser units are available in different models, with different flow capacities, dimensions and connection sizes. The correct model must be selected according to the total circuit flow rate and the connection diameter.

Table

Model	Internal BSP connection	Flow rate	Dimensions	Weight
MFS-110	1/2"	110 L/h	90 × 90 × 20 mm	1.25 kg
MFS-750	1/2"	750 L/h	100 × 100 × 35 mm	1.75 kg
MFS-1900	1"	1,900 L/h	120 × 120 × 50 mm	2.5 kg
MFS-5600	2"	5,600 L/h	230 × 230 × 90 mm	5 kg

The model must be selected according to the total circuit flow rate, not only the engine's actual fuel consumption.

The Fuel Stabiliser does not physically remove water or contaminants. It must be used as a complementary component together with a fuel-water separation system.

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