

MICRO SAFA

Automatic Fuel Conditioning System for Day Tanks up to 2000 l.



TECHNICAL CHARACTERISTICS

Dimensions	300 x 230 x 160 mm
Power supply	230 Vac
Consumption	100 mA
Maximum flow rate	20 L/h
Suction/Drive	1/4" - 1/4"
Drain	1/4"

Recommended for storage tanks of up to 1,000 L.

Automatic fuel conditioning system for daily tanks up to 1.000 liters volume

The MicroSAFA automatic fuel conditioning system for particle filtration, water removal, fuel homogenization and oxygenation through its programmed recirculation protocol, prevents the proliferation of bacteria, molds and yeasts that are liable to damage the installation.

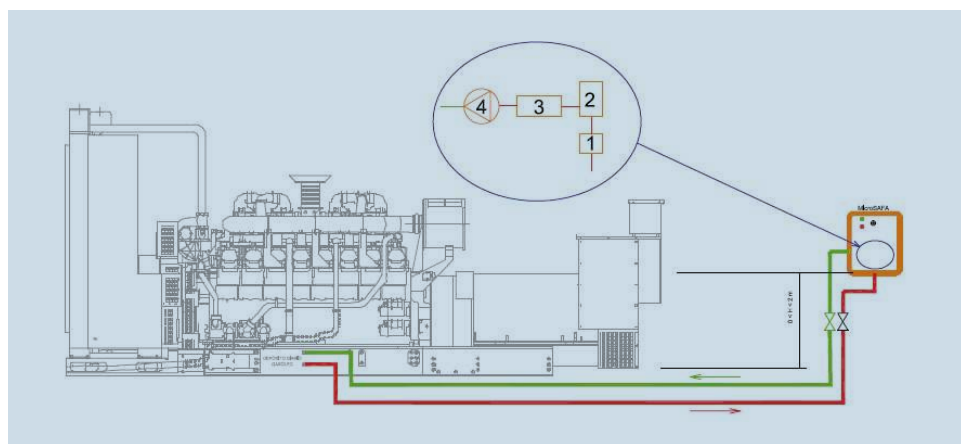
Why is it important to install MicroSAFA in my fuel tank?

As per current regulations trends in allowance limits, the diesel can be mixed with till 7% of biodiesel. This fact modifies the fuel's chemical structure and causes a significant increase in condensation within the tank. The presence of water combined with certain temperature conditions create a perfect medium for the bacteria to grow, reproduce and create damages at the installation.

The Microsafa filtering system is the ideal solution to all these problems in small installations, especially in emergency generators with poor fuel rotation. The system eliminates solid particulate and water from the tanks by means of a decanting filter. Additionally, it is fitted with a linear module that induces lethargy in the bacteria thus limiting their capacity to proliferate.

Filtration stages:

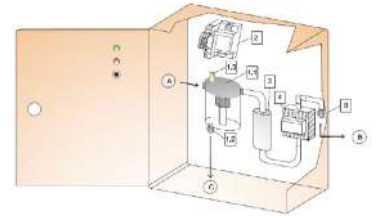
- 1) 0.1 mm particle filter
- 2) Water decanter
- 3) Fuel conditioner for microbial growth prevention
- 4) Fuel circulation pump (preventing degradation)



MICRO SAFA

SCOPE OF CONTENTS

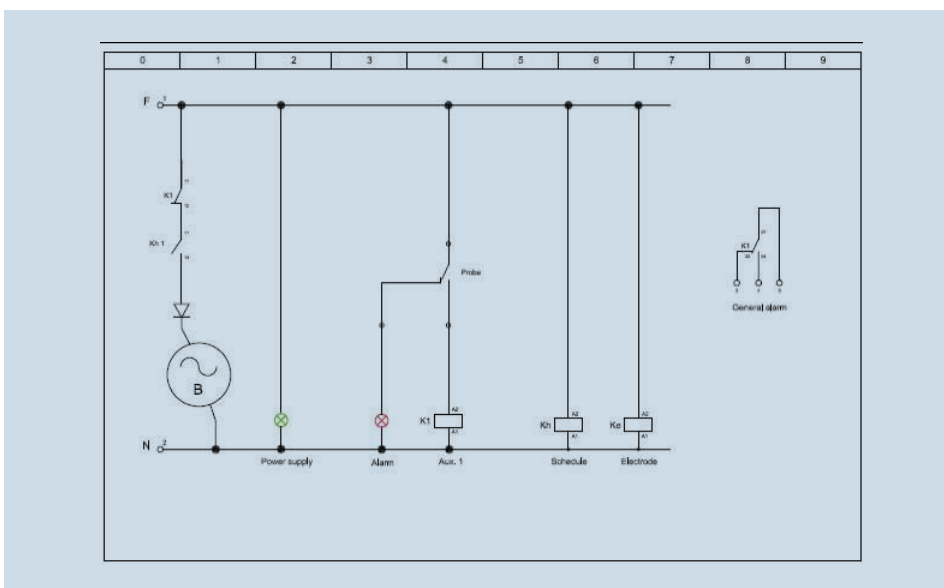
N	Description	Inpro-Code
1.1	Oil filter and water separator	01110000022032
2	MicroSAFA PCB controller	23110000000410
2.1	Timer switch controller (optional alternative)	02010000932290
2.2	Aux. relay contact	02010000001490
2.3	Electrode relay	02050000001000
3	Fuel conditioner	23120000314148
4	Solenoid pump 15 l/h	01000000003660
5	Standard plastic protective enclosure	00180000010005
6	Optional IP 66 cabinet	02060004030201



How does Micro SAFA operate?

- Circulates and prevents fuel degradation inside daily-supply tanks.
- Fuel is passed through a fuel conditioner to **prevent microbial growth**.
- The fuel is **automatically distributed** for a predetermined number of periods programmed to ensure that the contents of the tank are recirculated at a rate of 1.5 times tank's capacity every 28 days.
- **If water is detected in the decanting filter in the unit, it triggers an alarm** and a malfunction warning light comes on (alarm).
- The system is powered by 230 Vac and comprises a 100 mm water decanting filter, fuel conditioner, flow detector, flow failure display, timer.
- Optional weatherproof protective cabinet enclosure (Protection IP-66).

Diagram and electrical connections



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