

### FA-ST 12v Diesel Filtration System

#### MS1/DFS/12v Features

- **Frame:** MS1 12v Hand Carry
- **Pump:** 12v Piusi Pump
- **Motor:** 12v DC brush Motor
- **Housings:** KU65 Housing
- **Filtration of:** Diesel Only 12v
- **Filtration for:** Storage tanks to 500L
- **Additional Filtration:** None
- **Safety Features**
  - Isolator & On/Off Switch
  - Safety leak detection float switch (if bunded)
  - Fitted with Quick Release Couplings
  - Pressure Relief Switch



#### Filtration System

A simple free-standing, offline, fluid cleaning rig, used for transfer or filtration of fluids. This unit is built on a lightweight durable steel hand carry frame with tubular handles, being small in size (L320mm x W260mm x H360mm) and light weight 3.5Kg. The Units are fitted with a Piusi 12v Pumps are ideal for providing filtration to diesel in remote areas. Originally fitted to our range of narrowboat filtration systems as the can be powered directly from a 12v battery meaning filtration can be carried out anywhere you can get a battery. Due to the size of these pumps, they can only be ran for 30 minutes at a time before overheat occurs. They are not suitable for filtering any fluids with a higher viscosity than diesel. This comes fitted with a DC brush motor with a permanent magnetic stator and intergrated by-pass valve, with an on/off switch and pressure gauge. This unit is fitted with a single KU65 Filter housing mounted on a steel bracket and supplied with a single KF65 filter cartridge ready to use. The housings have a tolerance 135°C allowing for filtration of a range of fluids in various conditions. Filter Units can also be fitted with **hour meters** and **temperature gauges** and other options, please contact FA-ST with any further requirements you might have.

**All our filtration systems are fitted with pressure relief switch, pressure gauge, and supplied with our standard hydraulic 3 metre suction and return lines, 5 & 10 meter hoses are also available. Hoses can also be supplied with ½", ¾" or 1" diameter. All filter units are supplied complete and ready to use. Quick Release Couplings fitted to the unit and to the hose assemblies are all supplied with dust caps and plugs. All units are built in house and fully tested before dispatch.**

#### Filtration

Being fitted with the Piusi 12v pump this filtration systems are only suitable for the filtration of diesel. After 30 minutes then the pump must be shut down or overheating and damage can occur.

#### Flow Rates

Filtration Systems fitted with the 12v Piusi Pump can achive flow rates of approxamately 600 Litres Per Hour. This pump is not suitable for use with higher viscosity fluids.

*All Our flow rates are based on filtering clean diesel (ISO cleanliness 19/17/14) at room temperature approx. 15°C  
Oil flow rates are for guidance only*

**BEFORE**



Biodiesel



Diesel Fuel

**AFTER**



**FAST Filtration Analysis Services Technology Ltd**

**OIL FILTRATION SOLUTIONS FOR INDUSTRY**

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**Operating Temperatures:** Within operating specifications of engine, gear and hydraulic oils.

Filtration Level: Particulate contamination in accordance with BS 5540 part 4: 1981 and ISO/DIS 4406. ISO equivalent to NAS 1638 class 6. (Hydraulic oil specification)

### **Filter Cartridges**

The **FA-ST KF65** filters are used in conjunction with the KU65 Filter Housing. The filter cartridge is manufactured from a tightly wound cellulose impregnated paper and will remove all particle contamination to 3 micron absolute and all free and emulsified water. The cartridge will retain 0.75 litres of water and approximately 800g of solid particulates. Based on normal use the average life span of cartridges under standard operating conditions will give 250-300 hours of continuous use.

Replacement cartridges can also be purchased directly from our Ecommerce at [www.oilsampling.co.uk](http://www.oilsampling.co.uk)

**Warranty 12 months on all parts. Full instruction manual and parts listing.**

**All Rigs are built 'in house' to order, available within 5 to 10 working days.**

**UK Manufactured. UKCA Compliant for UK. CE Compliant for Europe. Instruction manual.**



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