LEADERS IN FLUID TRANSFER SOLUTIONS

INSTRUCTION MANUAL

FUEL FILTER ASSEMBLY AND STEEL/ PAPER REPLACEMENT ELEMENT



1



2



3

S.No	Part No.	Product Description
1	S-FFA	Fuel Filter Assembly
2	S-FFEP	Fuel Filter Paper Element
3	S-FFRES	Fuel Filter Steel Element

- Thank you for choosing STM Fuel Filter Assembly.
- Please read this manual carefully before installation and use, follow the steps outlined.

SAFETY INSTRUCTIONS

1. GENERAL INSTRUCTIONS

- Use only for diesel fuel.
- Do not exceed 50psi (3.5 bar) working pressure.
- Do not service the filter while the system is pressurised.
- Turn off pump and release pressure before replacing filter cartridge.
- Keep away from ignition sources.
- Wear suitable PPE equipment.
- Inspect the bowl for damage before every use.
- Replace damaged components immediately.

WARNING

This Fuel Filter Assembly is designed for filtering diesel fuel only.

WARNING

Before removing the filter bowl or replacing the filter element, switch OFF the pump. Isolate the fuel supply. Relieve all system pressure. Failure to relieve pressure may result in fuel discharge and personal injury.

2. GENERAL INSTRUCTIONS

2.1. INTENDED USE

The Fuel Filter Assembly is designed to remove particulate contamination from diesel fuel before it reaches dispensing equipment or machinery. The clear filter bowl allows visual inspection of the filter condition and the presence of water or contaminants.

2.1. INTENDED USE

The Fuel Filter Assembly accepts two interchangeable filter elements.

PAPER FILTER ELEMENT

Part Number: S-FFREP

- Disposable element
- 30-micron filtration
- Replace when contaminated
- Recommended for routine diesel filtration

STAINLESS STEEL FILTER ELEMENT

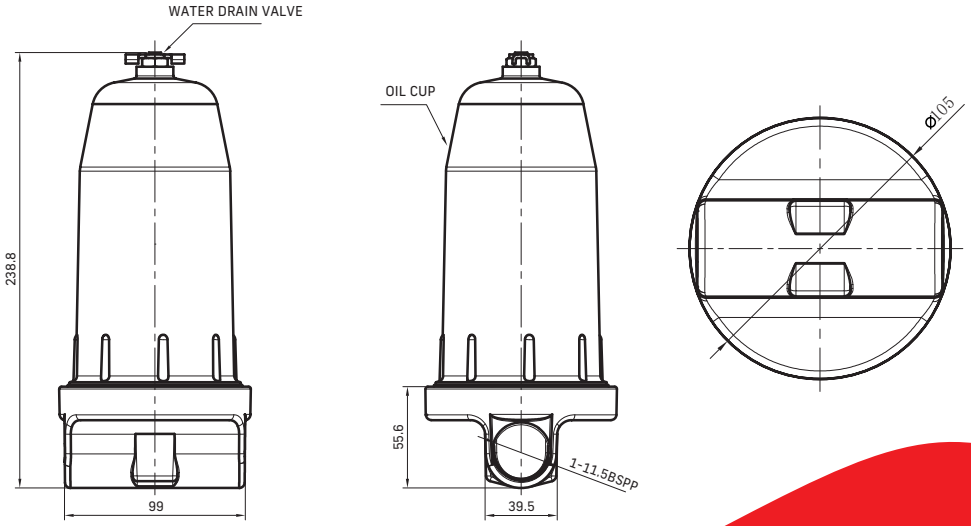
Part Number: S-FFRES

- Reusable element
- Suitable where periodic cleaning is preferred

WHAT'S IN THE BOX

- Fuel Filter Assembly 1
- Thread Seal Tape 1
- Instruction Manual 1

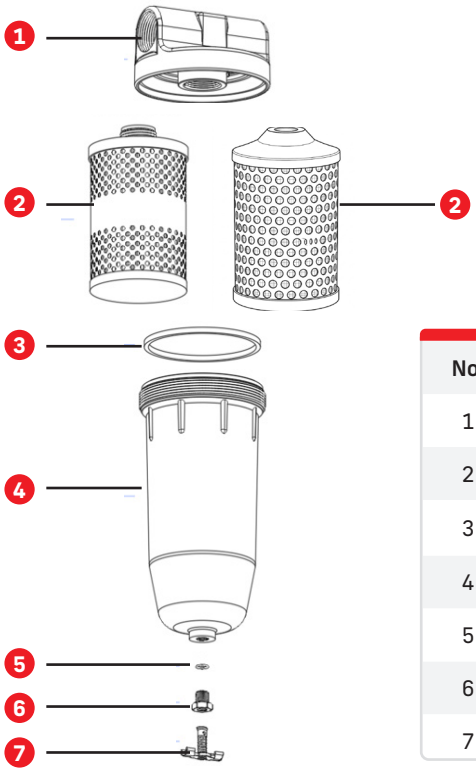
DIMENSIONAL DRAWING (mm)



TECHNICAL SPECIFICATIONS

Model	S-FFA
Replacement Paper Element	S-FFREP
Replacement Steel Element	S-FFRES
Filtration Rating	30 Micron (Paper Element) 55 Mesh (Steel Element)
Inlet / Outlet	1" BSPP (F)
Maximum Flow Rate	60 LPM
Maximum Working Pressure	3.5 bar
Compatible Fluid	Diesel Fuel
Alcohol Content (Maximum)	10%
Inspection Bowl	Clear Polycarbonate Bowl
Filter Head	Removable (Filter Wrench Required)
Dimensions	99 × 99 × 238.8 mm
Net Weight	0.65 kg

EXPLODED VIEW



No.	Name of Parts	Qty.
1	Filter Adaptor	1
2	Filter Element (Paper/Steel)	1
3	Gasket(Φ90*4mm)	1
4	Filter bowl	1
5	Oring (Φ1.3*10.3mm)	1
6	M10*9 (Hex Head Brass Bolt)	1
7	Drain Valve	4

INSTALLATION

1. INSTALLING THE FILTER

1.1. Inspect the filter assembly before installation.
1.2. Install the filter in the direction of the flow arrow.
1.3. Insure the assembly is adequately supported.
1.4. Connect the inlet and outlet fittings.

CAUTION

Do not overtighten threaded fittings.

2. INSTALLING THE FILTER ELEMENT

2.1. Make sure there is no remaining pressure in the system before removing the filter bowl.

2.2. Select the appropriate replacement element.

- S-FFREP Paper Element
- S-FFRES Stainless Steel Element

2.3. Reinstall the bowl securely.

WARNING

Never operate the filter assembly without a filter element installed.

OPERATION

1. PRE-OPERATION CHECKS

1.1. Inspect bowl.

1.2. Inspect for leaks.

1.3. Inspect element.

2. FUEL COMPATIBILITY

2.1. Diesel Only.

2.2 Maximum 10% alcohol.

3. MONITORING FILTER CONDITION

3.1. The transparent bowl allows visual inspection. If contamination is visible, service the filter.

MAINTENANCE

1. ROUTINE INSPECTION

1.1. Inspect bowl.

1.2. Inspect seals.

1.3. Inspect fittings.

2. REPLACING THE FILTER ELEMENT

2.1. Isolate the diesel supply.

2.2 Relieve pressure.

2.3 Remove bowl using a filter wrench.

2.4 Remove existing element.

2.5 Install either S-FFREP/ S-FFRES

2.6 Reinstall bowl.

2.7 Inspect for leaks.

Note : If the flow rate is low, inspect the filter cartridge and replace it if necessary.

CAUTION

Operating the Diesel Bowser with a blocked filter may reduce pump performance.

3. CLEANING

3.1. Keep the pump and filter clean and free from accumulated dirt, dust and fuel residue.

3.2. Wipe the external surfaces with a clean cloth after use.

3.3. Clean any diesel spills immediately using suitable absorbent material.

CAUTION

Do not use petrol, solvents or abrasive cleaning agents to clean the equipment.

NOTE: This product should be disposed of according to all applicable local and national government environment regulations and guidelines!

LEADERS IN FLUID TRANSFER SOLUTIONS

STM® is a practical, cost-effective range of equipment brought to you by the trusted team at Macnaught.

All STM products are specially selected by our experienced technical team at Macnaught®, ensuring they meet our strict quality standards.

STM AUSTRALIA
41-49 Henderson St, Turrella NSW 2205. Australia

Ph: 1300 131 531 **Fax**: +61 2 9597 7773
Email: enquiries@stm.net.au **Website**: www.stm.net.au