

# **Installation Guide**

X900166 3µm Secondary Diesel Fuel Filter Kit Suitable for flow rates up to 340lph



Micron Rating: 3um @ 99% efficient Operating Temperature: -40°C to 121°C Operating Pressure: 100 psi / 690 kPa / 6.9 bar

## Kit contents:

1x P576714 M14 x 1.5 NPT Ports 2x P551313 spin-on filter (one spare)

2x P506150 Straight Fitting

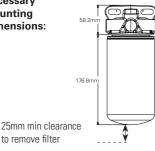
# Installation

Identify a suitable location to mount the filter assembly that:

Allows access to replace the filter

Is located away from heat sources

# Necessarv Mounting **Dimensions:**



- 1-14 UNSTHD
- The filter head should be securely fixed vertically to a bulkhead or mounting bracket using suitable screws or bolts.
- There is an inlet and outlet port on each side of the head assembly. Note, the flow direction is indicated on the head casting with an arrow. Install the threaded fuel line fittings into the head, as best suits your installation. Use the two blank plugs provided to block the unused inlet and outlet ports. Tighten all fittings firmly with a suitable tool. Do not over tighten! These fittings use an O-Ring seal, no additional sealant is required.
- Run the fuel supply line (from the fuel tank) and connect onto the fuel line fitting in the inlet port of the filter head. Secure with a suitable hose clamp.
- Run the fuel feed line (to the engine) and connect onto the fuel line fitting in the outlet port of the filter head. Secure with a suitable hose clamp.
- Check there are no tight bends or kinks in the fuel lines, and route them away from heat sources and sharp surfaces. Secure fuel lines to prevent excessive movement.

## Installation Guide

1. Lubricate the threads.

Lubricate threads of filter head with clean oil or fuel

Failure to do this could result in thread galling.



2. Apply thin film of clean motor oil or fuel to gasket.

Lubricate seal(s) with clean oil. Do not use grease or rubber grease.



3. Align threads. Spin filter until gasket contacts.

Spin the new filter on until the top of the gasket first contacts the sealing surface.



4. Hand tighten the filter.

Tighten per the guidance + (number of the icons which appear on the filter element. Do not over-tighten.

Ensure the drain valve is firm hand tight.



- 5. Prime fuel system

As per the manufactures recommendation



6. Start engine and check for leaks

Starting may take longer than normal for the first start.



7. Stop engine

Stop engine and recheck for leaks

#### Servicing Guide Disconnect WIF Apply thin film Prime fuel sensor if present of clean motor system per and reconnect mánufacturer oil to gasket after servicing Start engine Align threads; spin filter on until Unscrew and remove old filter and check for gasket contact leaks and gasket Follow icons Wipe filter Drain on filter to head with water daily tighten clean cloth Replace water Fill with fuel on the collection bowl dirty side per engine gasket if manufacturer applicable recommendations

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