



Piston electric fuel pumps



015

020

060

024

FUELFLOW Piston Pump 015
12 Volt

FUELFLOW Piston Pump 020
12 Volt

FUELFLOW Piston Pump 060
6 Volt

FUELFLOW Piston Pump 024
24 Volt

In addition to our range of diaphragm type pumps, we produce the FUELFLOW™ brand of piston type electric fuel pumps.

The FUELFLOW™ range of pumps are light, compact and efficient, and can be easily installed in any convenient position on the vehicle. Considerable attention has been paid to reduction of the operational noise usually inherent in this style of pump.

The FUELFLOW™ electric fuel pumps are ideal replacements for both mechanical and electric O/E fuel pumps. With just one model, part no. 015, stockists or installers are able to provide a suitable replacement fuel pump for the majority of carburetted vehicles, as the 015 suits most 4 and 6 cylinder vehicles. The other models in the range are

part no. 020 which suits larger and high performance engines, part no. 024 which is a 24 volt version, and the 6 volt model 060. Deciding which fuel pump to use is a simple matter of knowing the vehicles engine size or fuel flow requirement, and voltage, no vehicle application catalogues are required.

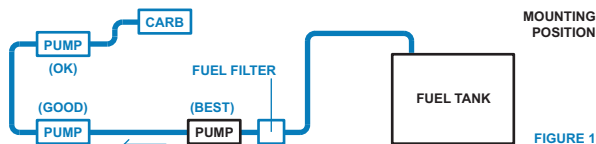
All models are suited as a supply pump for diesel applications.

Model Number	Volts	Max Flow/Min	Operating Pressure (varies with demand)	Maximum Pressure (no flow)
015	12	1.5 L	1 - 4 psi	4 - 5
020	12	2.0 L	1.25 - 5 psi	5 - 6
060	6	1.25 L	1 - 4 psi	4 - 5
024	24	1.75 L	1.25 - 5 psi	5 - 6

FITTING INSTRUCTIONS

Before fitting, investigate cause of original pump failure and rectify. Check for: clogged fuel filter, contaminated fuel, blockage, restriction or leak in fuel lines, low voltage or intermittent power supply.

1. Ensure selected pump model is correctly suited to engine requirements.
2. Fit supplied anti-vibration mounts to pump mounting lugs.
3. Select convenient position to mount pump, can be installed at any angle. See FIG 1.
4. When vehicle has a fuel return to tank system, see SUGGESTION C.
5. Mark positions and drill mounting holes (5/32 or 4mm).
6. Mount pump in position using screws and washers provided.
7. Fit inlet and outlet hoses. Use correct fuel resistant hose and clamps as required.
8. Connect red wire of pump to a key-controlled power source, connect black wire to earth (for positive (+) earth vehicles, reverse connections). Ensure that power supply line to pump is protected with a 3-5 amp fuse. Hook up wire should be rated 2 amp or higher.
9. Switch on and test pump. If pump does not operate, check electrical polarity.
10. Check for fuel leaks and rectify as required.



POSITION: Fuel pump should be sited below the fuel level in the carburettor float chamber :

- In areas of high ambient temperatures, installation close to fuel tank is essential to overcome vapour lock problems which can occur.
- A squirt of 2 stroke or diesel fuel into the outlet of the pump before installation will assist faster priming of the pump on initial start-up.
- An in-line filter should be fitted between the fuel tank and the pump inlet.
- We recommend the installation of a FUELFLOW™ COLLISION SAFETY SWITCH, which in a collision will instantly switch off the fuel pump, greatly reducing fire hazard.

SUGGESTIONS

A. ELECTRIC FUEL PUMP REPLACEMENT

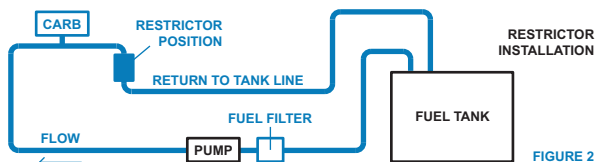
The excellent suction performance of FUELFLOW™ UNIVERSAL ELECTRIC PUMPS will, in many cases, pull fuel through in-tank or separately mounted electric pumps. Therefore there may be no need to remove the faulty pump, but it should be bypassed or removed wherever possible.

B. MECHANICAL FUEL PUMP REPLACEMENT

Disable faulty pump by removing operating lever from pump and refitting faulty pump to engine. The FUELFLOW™ replacement pump can then be connected directly to the carburettor fuel inlet or low pressure diesel filter inlet.

C. RETURN TO TANK (CONSTANT FLOW/FULL FLOW) FUEL SYSTEM

A Fuel Return Line Restrictor is supplied in this kit. Its purpose is to ensure adequate pressure and flow into the carburettor. Without a restrictor fitted in the return to tank line the pump may not deliver enough fuel to the carburettor in heavy demand situations.



Installation:

1. Cut Return to Tank fuel line close to carburettor, see FIG 2.
2. Rejoin using supplied Restrictor and suitable hose and clamps.

WARRANTY: Product warranty liability is restricted to supply of replacement product only.

All freight, installation, towage, salvage, labour or other repairs and/or service charges relating to product warranty replacement are specifically excluded from liability. Tampering with pump voids warranty.

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