



Pump TCP1 Mocal cooling pump

Suitable for use in axle, gearbox and turbocharger oil cooling installations as well as water cooled brake installations. This pump is self priming and can be positioned anywhere relative to intake.

Note: If vertically mounted, ports should be downwards to prevent leaking into motor. Remove 2 recessed screws (No. 20 on drawing) to rotate complete head to simplify plumbing. Direction of flow is marked on ports. Use 3/8 NPTF threaded adaptors in the ports with thread sealant, do not over tighten or the lightweight nylon housing may crack.

This pump is not equipped with a bypass so damage may result from pumping against a blockage. **For this reason the pump must not be switched on until the oil has reached an operating temperature of at least 70^oc. Use 3/8" bore (-6) hose or larger.**

A pre-filter MUST be used before the pump as any damage caused by debris will not be covered under warranty.

Operating problems can be caused by:

Clogged lines	Air leak in suction line
Faulty motor	Reversed polarity (+ = RED - = BLACK)
Crack in Pump housing	Seized cam bearing

Punctured Diaphragm (ensure oil has reached operating temperature)
Debris in pump (always use a filter)

Specification:

12 Volt DC, 8 amp max	Free flow rate 1.6 gals / 7.5 litres per min
50 psi/3.5bar max	Max temperatures 130 ^o c, 150 ^o c intermittent

Warning: Do not use to pump flammable fluids, gasoline, kerosene fuel oil, or fluids with a flash point below 37^oc. Do not use in an explosive environment.

Please contact us for a suitable filter recommendation.