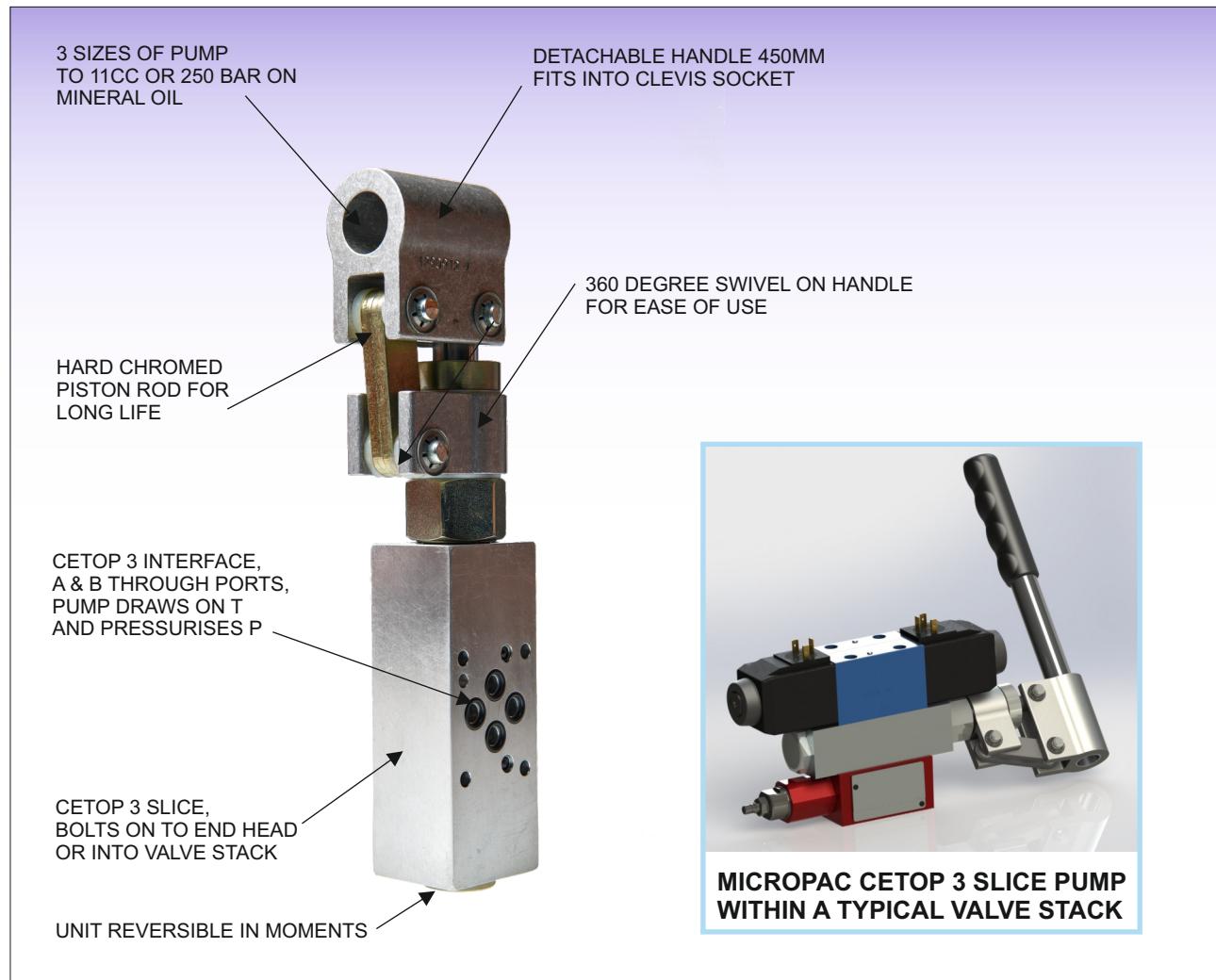




# Micropac MQ Series CETOP 3 Slice Pump

Adds a compact, ergonomic and cost effective hand pump to your CETOP 3 end head or manifold valve stack



TYPICAL APPLICATIONS: STANDBY AND MANUAL ACTUATION IN MANIFOLD BASED SYSTEMS

## FEATURES

- CETOP 3 interface for universal application
- For use on mineral oil
- Fast installation for addition of hand pump
- Very cost effective compared with piped units
- All connections through CETOP interface
- PTFE swivel bearing for low friction
- 360 degree swivel for ergonomic operation
- Fast swap out or upgrade on site
- Reversible pump for easy design
- 5.6/8/11cc per single stroke for 250/175/125 bar
- Built in strainer
- Nitrile seals standard - optional Viton®
- Detachable handle
- Lightweight alloy manifold. 316 stainless option.
- No relief or release valves fitted
- Micropac pedigree

# INSTALLATION & MAINTENANCE

## APPLICATION

The unit provides manual hydraulic power for CETOP3 manifold based hydraulic systems. It complements the Micropac MT series cartridge pumps which screw into a C10-2 cavity with T on the nose. The slice pump mates with a standard CETOP3 interface, giving free flow through the block for A and B, but drawing on the T tank port and pressurising the pressure port. Other permutations are possible, such as units which will draw on T and pressurise just A or B. The unit is suitable for mineral oil. Standard seals are nitrile rubber.

Note this unit does not feature an integrated hold / release valve, relief valve or pressure gauge.

The handle on the 360 degree swivel allows the designer great flexibility in building the unit into a system, as the operator can align the handle to suit his or her requirements.

## MATERIALS

The materials of construction are plated carbon steel and aluminium alloy. Seals are PTFE, Polyurethane and Nitrile.

Viton optional - consult the factory. The piston rod is hard chromed for durability. Consult the factory for the 316 stainless option.

## DISPLACEMENT

The unit is available as a 5.6cc / 250 bar, 8cc / 175 bar and 11cc / 125 bar versions.

## COMMISSIONING

Operate hand pump and pressurise to maximum pressure. Check for leaks in the system.

## CONNECTIONS

The unit has no external connections and uses the CETOP3 interface top and bottom. Be aware no M5 mounting screws are supplied with this unit. If you are mounting on its own on top of an end head or manifold, you will need a closure plate with ports in it. As with any manifold, surface finish is crucial. No damage to the sealing face is acceptable. Check the condition of the o-rings. Torque the unit down to the recommended CETOP3 torque.

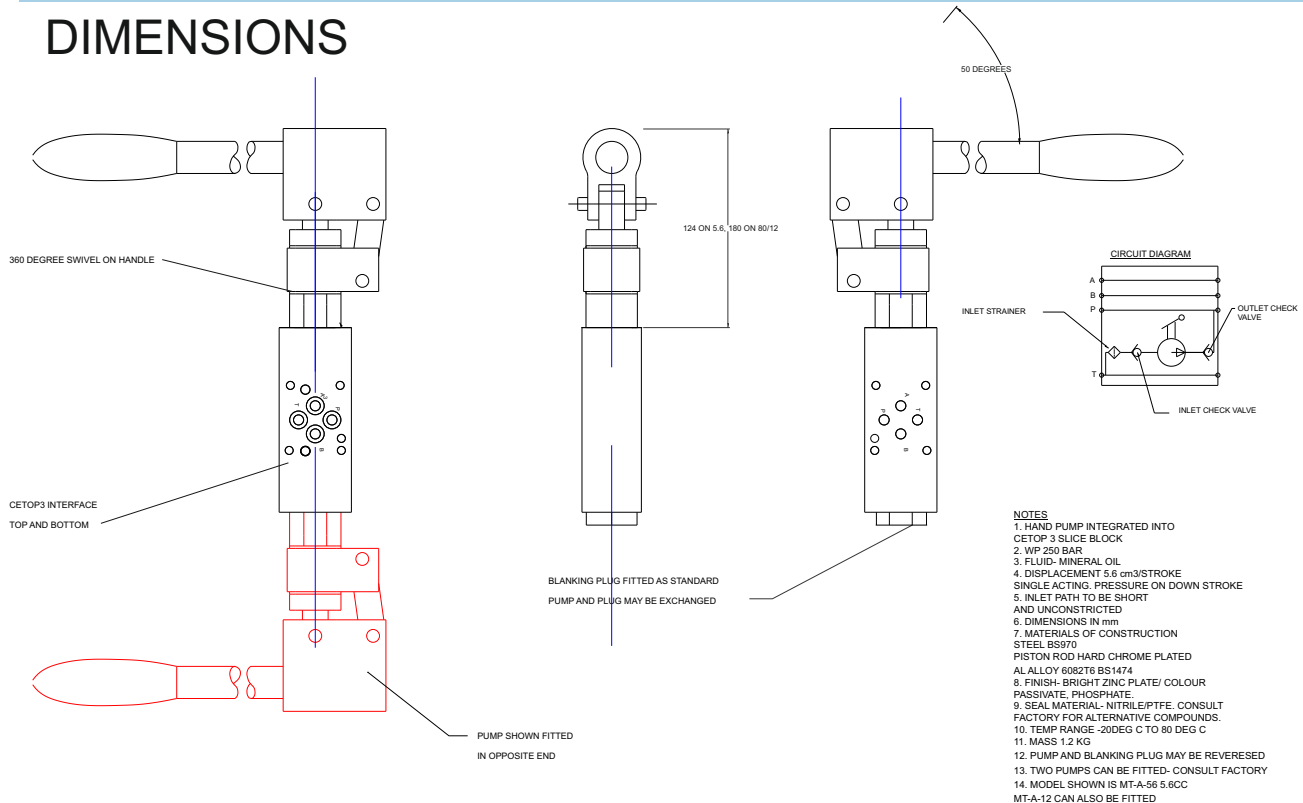
## MAINTENANCE

The pump may be removed from its block for easy servicing. Service kits are available comprising all seals, balls and springs. Always check the condition of the sealing faces and the O rings in the counterbores. A separate maintenance guide is included with service kits.

## SAFETY

This pump is a component forming part of a hydraulic pressure system. The system should be designed, operated and maintained in accordance with statutory requirements and other relevant instructions.

## DIMENSIONS



We are long established ISO 9001 designers and manufacturers of hydraulic equipment. Full details of other products in our range are available from:

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We invest heavily and continuously in product development. Specifications are therefore liable to change without prior notification.

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 Designers & Manufacturers of Micropac® Hydraulics



# ORDER SHEET FOR MICROPAC MQ SERIES CETOP 3 SLICE PUMP

Model of Pump	
A	Alloy / Steel
3	Anodised Alloy / 316 Stainless
6	316 Stainless/bronze

See page 2 for full materials description

Displacement	
56	5.6cc / 250 bar
80	8.0cc / 175 bar
11	11cc / 125 bar

Handle	
4	450mm Short
6	625mm Long
O	No Handle

Seal Material	
N	Nitrile / Buna N
V	Viton
S	Special

Test Fluid	
O	Mineral Oil

M Q       O

For special options, please consult factory.

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