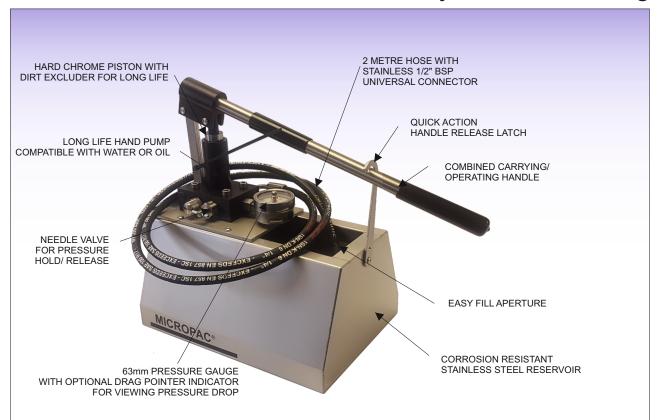


# Micropac MZ-20 Manual Pressure Test Set

Portable 60 bar water/ oil unit for hydrostatic testing



TYPICAL APPLICATIONS: PRESSURE AND HYDROSTATIC TESTING OF SYSTEMS AND PIPEWORK ON SITE OR IN-HOUSE. WATER OR OIL DUTY. PRESSURES UP TO 60 BAR

# **FEATURES**

- Rugged construction for long service life
- Portable and light weight- easily stowed
- Operating handle combines for carrying
- Quick fill & empty 9 litre capacity reservoir
- Compatible with water, water-glycol and oil
- 2 metre flexible hose stows around unit
- Stainless 1/2" BSP universal swivel connector
- Easy to use- pumps on down stroke only
- Displacement 20cc per stroke up to 60 bar

- Check for leaks with pressure gauge
- 316 stainless reservoir outlasts plastic or steel
- Hard chromed piston rod with dirt excluder
- Soft-seal outlet check valve for positive sealing
- Needle valve for pressure hold & release
- Service backup all valve seats replaceable
- Quality assured comes with 2 year warranty
- Factory support for product and application
- British designed and manufactured

### INSTALLATION & MAINTENANCE

#### **APPLICATION**

Suitable for pressure and leak testing of components, systems and pipework up to 60 bar. Connection via the hose. System pressure is maintained by a 'soft seal' outlet check valve in pump body. Pressure drop can be observed over a period of time using the pressure gauge (drag pointer gauge optional). Pressure is released back to tank via a needle valve in the pump body.

Suitable for use with water and mineral oil. Other fluids; check compatibility with materials of construction. If in doubt, contact the factory.

#### **MATERIALS OF CONSTRUCTION**

Wetted parts: stainless steel, brass, anodised aluminium. Seals: PTFE and nitrile rubber. Reservoir, handle mechanism, pressure gauge case: stainless steel. Hose: nitrile rubber reinforced, stainless steel fittings.

#### **SAFETY**

When in use, this unit is a component forming part of a hydraulic pressure system. If forming part of a permanent installation, the system should be designed, operated and maintained in accordance with statutory requirements and other relevant instructions. A risk assessment covering safe installation, operation and maintenance should always be carried out prior to use.

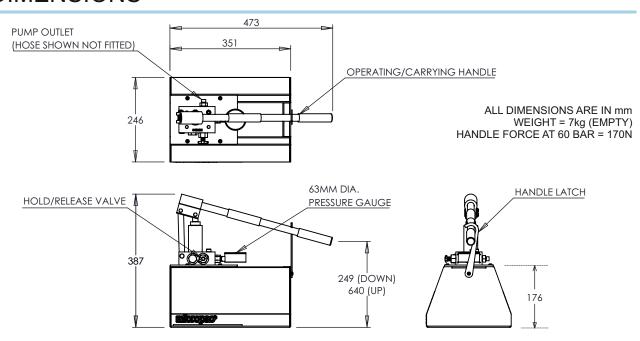
#### USE

Site unit on a flat surface and fill reservoir with fluid. Uncoil hose, remove blanking plug and make connection to system via 1/2" BSP female swivel connector. Unclip handle latch. Screw needle pressure release/ hold valve in pump body fully clockwise. Set pressure gauge drag pointer to zero (if fitted). Operate pump handle; up stroke draws fluid into pump and down stroke displaces fluid into system. Observe pressure gauge and continue pumping until desired pressure is reached. Leave system pressurised for long enough to determine any leakage; visually examine joints for leakage as required. Duration of test period will depend upon system capacity; a large system may be left for typically 30 minutes. Record any pressure drop as required then release pressure by unscrewing release/ hold valve. Check pressure gauge reads zero before disconnecting hose. Refit blanking plug. To empty reservoir, invert reservoir. Refit handle latch and recoil hose around handle for stowage.

#### **MAINTENANCE**

Periodically check the strainer on the pump inlet is clear of debris; pump subplate is readily removed from reservoir. The inlet and outlet check valves utilise replaceable seats and may be serviced by a competent person. Service kits are available comprising all seals, seats, balls and springs.

## **DIMENSIONS**



**CE marking:** this product is classified under 'Sound Engineering Practice' of the Pressure Equipment Directive (PED) 2014/68/EU. As such, it does not carry the CE marking.

Sarum Hydraulics are an ISO 9001:2015 registered company with over 35 years experience in design and manufacture of hydraulic equipment. Call us, email us or visit our website to find out more about our extensive product range. Enquiries are welcomed for bespoke solutions.

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We invest heavily and continuously in product development.

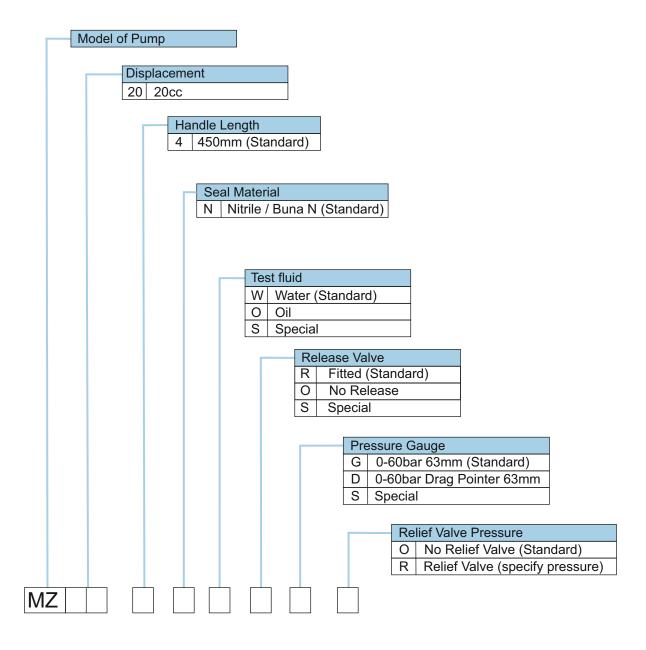
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# ORDER CODES FOR MICROPAC MZ TROUGH PUMP



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