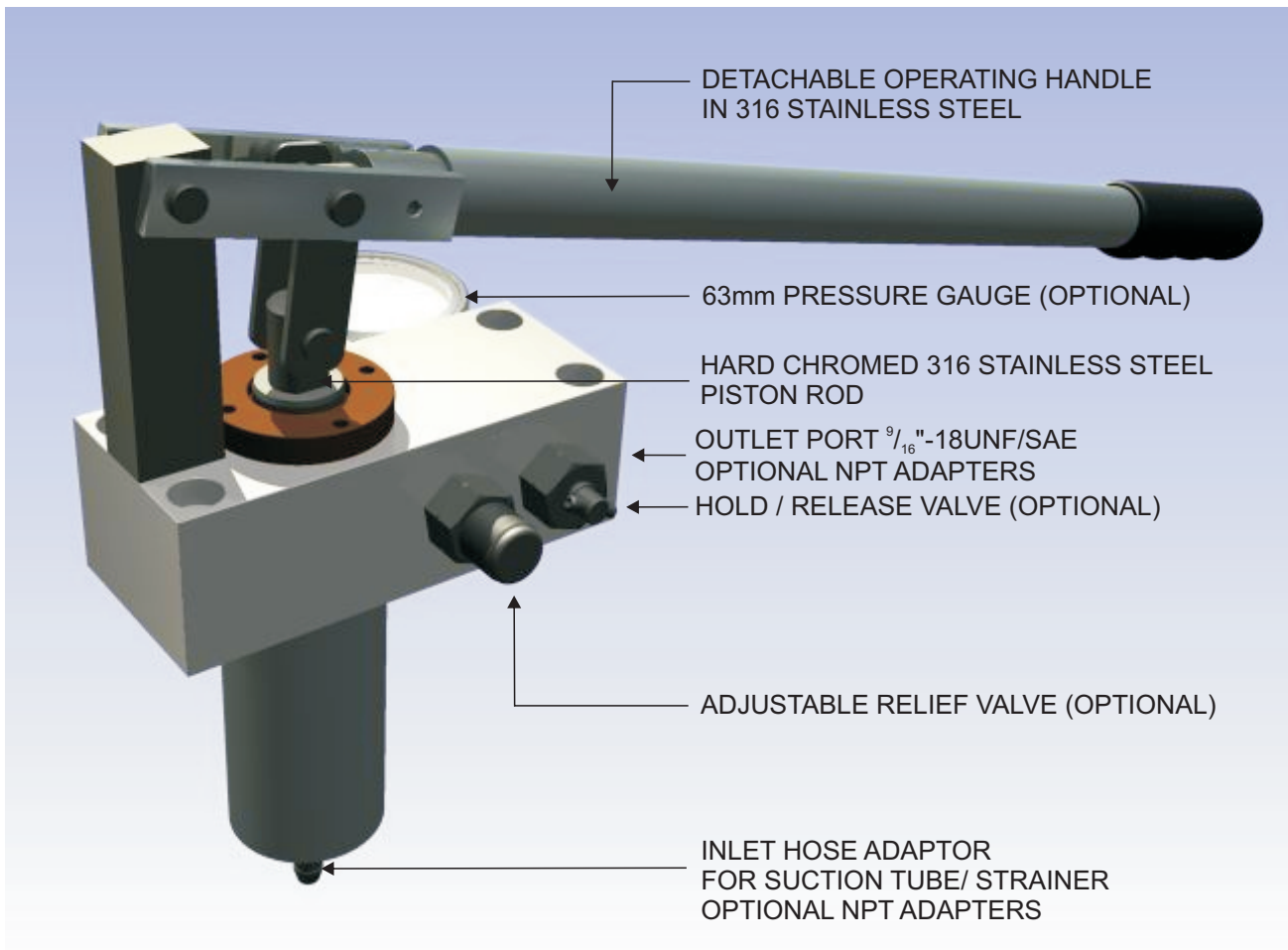




Micropac 316 Stainless Hydraulic Hand Pump

A quality engineered hand pump for long life and low corrosion



TYPICAL APPLICATIONS: ACTUATION, OVER-RIDES AND SHUTDOWN SYSTEMS, PRESSURE TESTING, FILLING AND CHARGING

FEATURES

- Rugged construction with dirt excluder
- Universal fluid compatibility:
 - Oil, Water, Glycols and other fluids
- Suitable for extreme applications
- 316 stainless/bronze for low corrosion
- Hard chrome plated 316 piston rod for long life
- Poppet outlet check valve for very low leakage
- Soft seat inlet and release valves for reliability
- All valve seats replaceable for long service life
- PTFE wear strips for low friction
- Four models for optimum application;
 - 7cc/stroke to 700 bar
 - 12cc/stroke to 408 bar
 - 25cc/stroke to 205 bar
 - 49cc/stroke to 102 bar
- Double acting - pumps on up and down stroke
- Optional fixed and portable reservoirs
- Nitrile seals standard - optional EPDM / Viton®
- Universal mounting orientation

INSTALLATION & MAINTENANCE

APPLICATION

The unit provides manual hydraulic power for a range of applications and on multiple fluids including glycols and skydrol. Because of our use of soft seat and poppet valves the unit is suitable for hydraulic fluids including low viscosity types such as water- in-oil emulsions and offshore control liquids. Standard seals are nitrile rubber. Consult factory for special seal requirements for other fluids, including Viton®, EPDM and specialist aerospace/process compounds

MATERIALS

The materials of construction are 316 stainless steel, CW307G bronze and small amounts of 303, 304,420, 431. Seals are PTFE, UHMWP and Nitrile

DISPLACEMENT

The unit is available in four displacement / pressure ratings, 7cc/700 bar, 12cc/407 bar, 25cc/207 bar, 49cc/102 bar.

COMMISSIONING

Operate hand pump and pressurise to maximum pressure. Check for leaks in the system. Set relief valve (if required).

CONNECTIONS

The unit has a 9/16 UNF SAE female thread on the outlet port, fitted with a 1/4 BSP male coned outlet adapter. Make a connection to this with an appropriate adaptor or fitting. Where applicable, the auxiliary port will be plugged or fitted with the appropriate pressure gauge.

The gauge port is G1/4(BS2779) flat bottom.

The inlet hose tail suits 9.52mm flexible tube. We supply an inlet strainer/tube, a gasket and mounting screws with the unit. 3/8 NPT female adapters are an option.

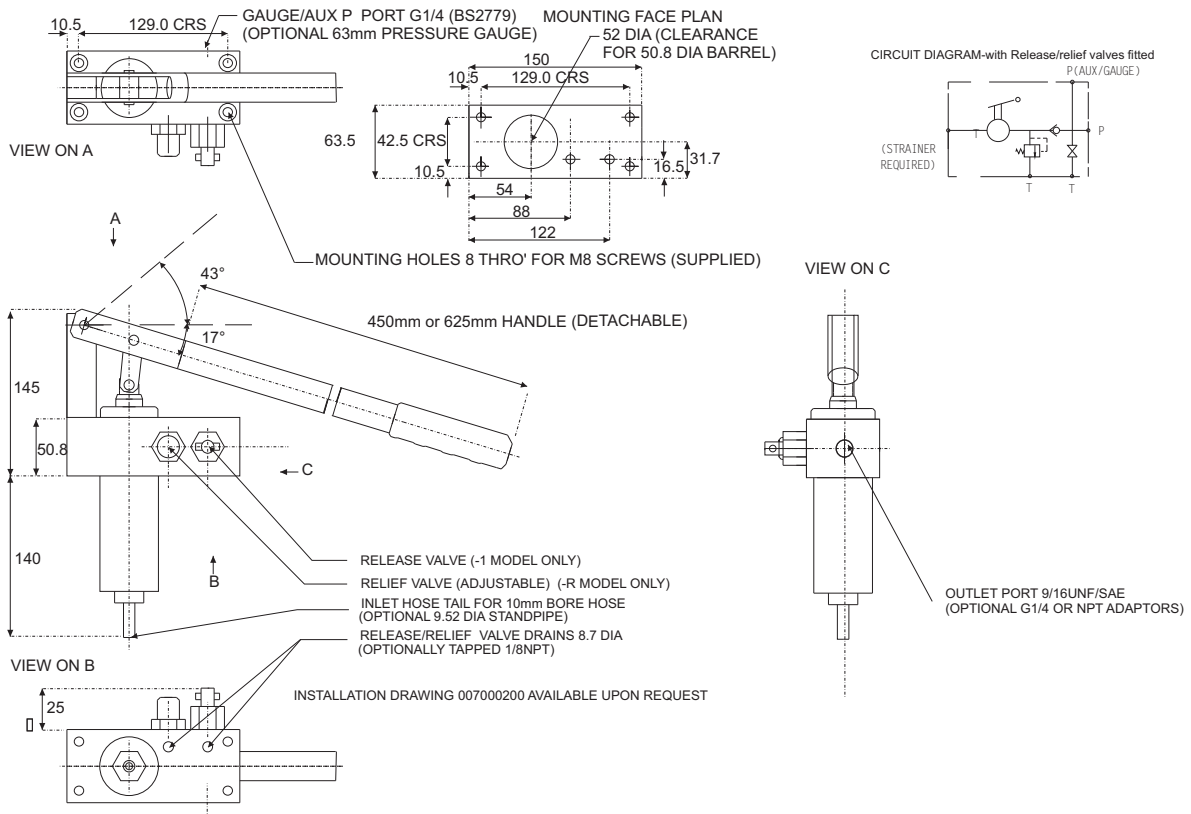
MAINTENANCE

The inlet and outlet check valves are easily serviced and use replaceable seats. Service kits are available comprising all seals, seats balls and springs.

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 designer and manufacturer of hydraulic equipment. Full details of other products in our range are available from:

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SARUM
 HYDRAULICS
 Designers & Manufacturers of Micropac® Hydraulics

We invest heavily and continuously in product development. Specifications are therefore liable to change without prior notification.
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ORDER SHEET FOR MICROPAC 316 STAINLESS HAND PUMP

Model of Pump	
Body Material	
3	316 Stainless
Displacement	
07	7cc / 700 BAR
12	12cc / 407 BAR
25	25cc / 207 BAR
49	49cc / 102 BAR
Handle	
4	450mm Short
6	625mm Long
O	No Handle
Seal Material	
N	Nitrile / Buna N
V	Viton
E	EPDM
S	Special
Test fluid	
W	Water
O	Oil
S	Special
Release Valve	
R	Normal
O	No Release
S	Special
Pressure Gauge	
G	Normal
O	No Gauge
S	Special
Relief Valve Pressure	
R	Normal
O	No Relief Valve
S	Special

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For special options, please consult factory.

Gauge, release valve and relief valve are set to the maximum working pressure of the pump as standard.