

# Minerva Manual Spindle Pump

## MNR 155

*SPINDLE PUMP CALIBRATES INSTRUMENTS UNDER EXCEPTIONALLY HIGH PRESSURE*

This hand-operated spindle pump generates a hydraulic pressure of up to 700 Mpa. It allows you to test or calibrate pressure measuring instruments up to 700 Mpa (= 7.000 bar).

- Easy handling through a smooth-running, internally operating, precision spindle
- Integrated oil reservoir
- Integrated priming pump for large test volumes
- Removable star handle



### Exceptional spindle pump

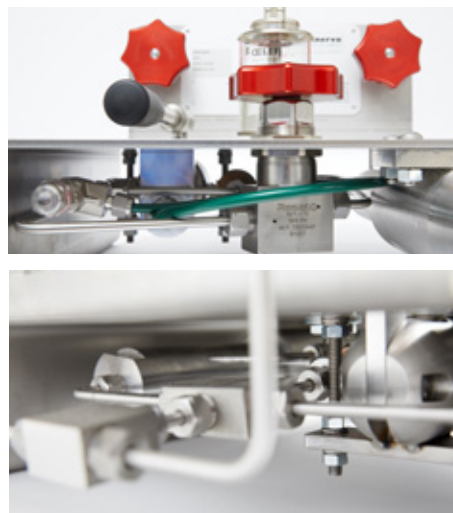
The unique feature of this pump is the high range (700 MPa). Besides that, the pump is a self-contained unit.

This means that the pump unit is equipped with an oil reservoir, shut-off valves and connection nipples.

You can get started immediately without having to assemble all sorts of loose parts.

## TECHNICAL SPECIFICATIONS

Pressure range	0 ... 7.000 bar, (0 ... 100000 psi)
Pressure transmission medium	Sebacate oil
Reservoir	250 cm <sup>3</sup>
Test connection	2 x knurled nut G ¾ female, freely rotating with sealing cone, incl. interchangeable adapter to M16 x 1.5 male with sealing cone
Distance between test connections	346 mm (13.6 in)
Piston diameter	7.5 mm (0.3 in)
Displacement per revolution	approx. 0.08 cm <sup>3</sup>
Overall displacement	approx. 2.5 cm <sup>3</sup>
Cylinder	Stainless steel
Piston	Hardened stainless steel
Piping	1.4404 stainless steel, 6 x 2 mm (0,2 x 0,1 in)
Sealings	NBR
Stationary mounting	Stable base
Dimensions (L x W x H)	460 x 445 x 265 mm (18,1 x 17,5 x 10,4 in)
Weight	32.5 kg (71.7 lbs.)
Ordering code up to 500 MPa	MNR-155-500
Ordering code up to 700 MPa	MNR-155-700



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