

Manual Hydraulic Hand Pump

This hand pump provides a cost-effective solution for manually increasing pressure in a hydraulic system when emergency power is needed. It includes a handlebar to close the vent valve before pressure increase.



Product Overview

Manual Hydraulic Hand Pump

These hydraulic hand pumps provide a cost-efficient, reliable solution for manually increasing pressure in systems requiring emergency standby power. Designed for industrial durability, they feature hardened and ground pistons along with a 26.5-inch handlebar to reduce operating force. The units are fully field-repairable, allowing for maintenance without removing the pump from the system.

Key Features

Capabilities

- Field-repairable without system removal
- Replaceable pump spool
- Hardened and ground piston
- 26.5-inch handlebar for reduced operating force

Technical Specifications

Ordering Code	MAX.Press.	VOL. pre Stroke	Ports	Handle Load pre 100psi
MP**OA- **	20000 psig	2.6 mL	3/8 Female NPT	0.27 kg
MP**1A- **	10000 psig	4.1 mL	3/8 Female NPT	0.51 kg
MP**2A- **	5000 psig	9.2 mL	3/8 Female NPT	1.05 kg
MP**3A- **	2500 psig	17.7 mL	3/8 Female NPT	2.1 kg
MP**2D- **	20000 psig	9.2 mL under 5000psig 2.6 ml up 5000psig	3/8 Female NPT Inlet 3/8 High Press. Outlet	1.05 kg under 5000psig 0.27 kg up 5000psig
MP**3D- **	30000 psig	9.2 mL under 5000psig 1.7 mL up 5000psig	3/8 Female NPT Inlet 3/8 High Press. Outlet	1.05 kg under 5000psig 0.15 kg up 5000psig

Technical performance chart detailing pressure capacities and stroke volumes across the product range.

Model Performance Data

Model	Max Pressure (psig)	Vol/Stroke (mL)	Handle Load @ 100psi (kg)
MP0A	20000	2.6	0.27
MP1A	10000	4.1	0.51
MP2A	5000	9.2	1.05
MP3A	2500	17.7	2.1
MP2D	20000	9.2 (under 5k) / 2.6 (up 5k)	1.05 (under 5k) / 0.27 (up 5k)
MP3D	30000	9.2 (under 5k) / 1.7 (up 5k)	1.05 (under 5k) / 0.15 (up 5k)

Available Port Configurations

3/8 Female NPT, 3/8 Female NPT Inlet / 3/8 High Press. Outlet