milwaukee Cylinder

Specials are Our Standard

ISO 9001 REGISTERED

MC DuroTech™-Series

Durable Air Driven Power Unit Technology for High Cycle Applications

Models MAP07 and MAP15

- Simple Operation
- Highly Durable
- Built for High Use Applications
- High Flow Rate
- User Adjustable Outlet Pressure
- Automatically Maintains Pressure
- 2 Different Output Pressure Models
- Includes 4 Station Manifold

Air Driven Pump

Shown with Enerpac MVVD-001 Manual Valve

These heavy-duty air driven pumps are well suited for use in production environments.

Includes four-station DO3 manifold. Includes pressure-rated cover plates for operation of fewer than four stations.

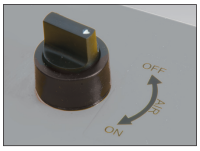
Optional P&T cross-over plate for use of a remote manifold.

INDUSTRIAL, HIGH-CYCLE, HIGH-FLOW HYDRAULIC SUPPLY IN AN ECONOMICAL AIR-POWERED UNIT

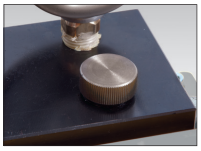
- Heavy-duty construction, including steel reservoir and protective steel shroud
- Long-life, fully serviceable air motor
- Dual pump action offers high oil capacity and smooth flow
- On-demand stall / restart operation automatically maintains system pressure
- Adjustable hydraulic pressure through built-in air filter / regulator
- Requires no air lubrication
- Reduced noise level (75dBA)
- Standard four-station DO3 manifold

KEY FEATURES

- Extremely durable pump element
- Four-station DO3 manifold with cover plates for unused stations
- Air filter / regulator with built-in air pressure gauge
- 1.8-Gallon all-metal reservoir with easy-access drain plug
- Easy-to-read oil level sight glass



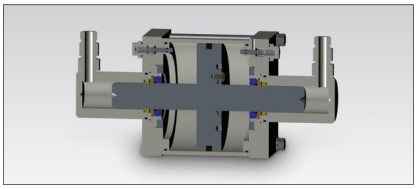
Air shut-off valve



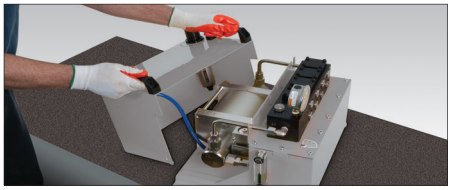
Convenient fill port

Pressure control

Air pressure gauge

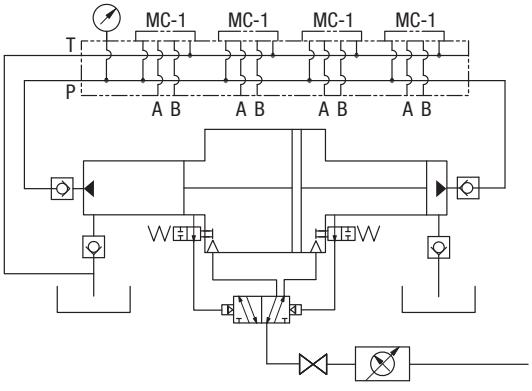


Dual pump with extremely durable element



Removable Metal Shroud

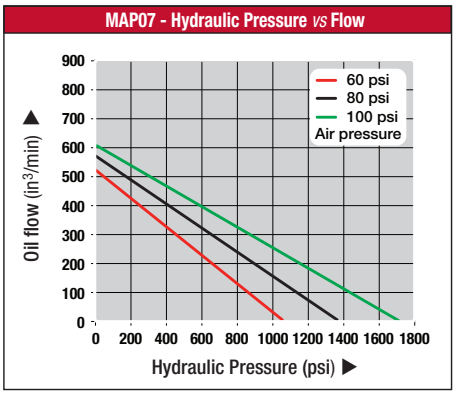
INTERNAL SCHEMATIC

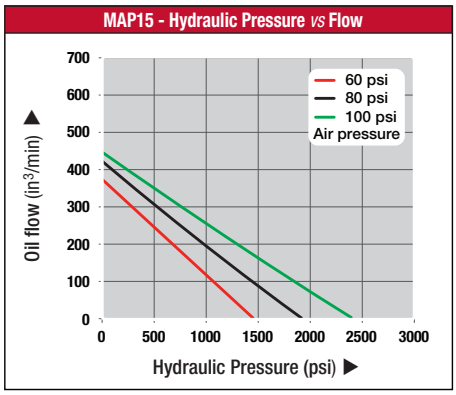


Operation:

Shop air is connected to the built-in pressure regulator where the operator can adjust the air pressure, that in turn sets the maximum hydraulic oil pressure. The air is ported through a built-in shut-off valve to the air pump. With the shut-off valve open, the pump automatically turns on and off to obtain and then maintain the customer selected pressure.

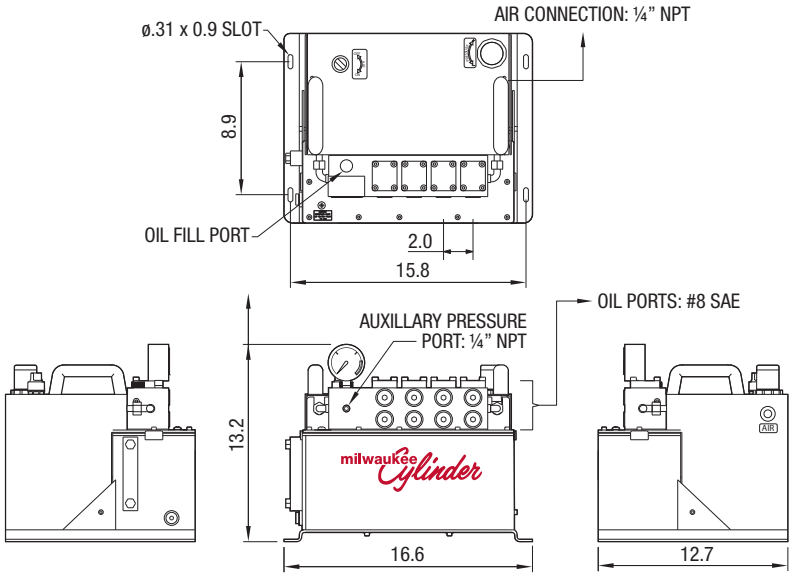
OIL FLOW VS. OIL PRESSURE VS. AIR PRESSURE





NOTE: Performance is significantly diminished below 50 psi. Performance may vary compared to listed values due to seal friction, internal pressure drops and manufacturing tolerances.

PRODUCT DIMENSIONS IN INCHES



▼ PRODUCT SELECTION CHART

Model No.	Ratio	Max Rated Hydraulic Pressure[1] (psi)	Air Pressure Range (psi)	Max Hyd. Press. at 100 psi Air[2] (psi)	Max Hyd. Flow at 100 psi Air[3] (in³/min)	Max Air Consumption at 100 psi Air (scfm)	Usable Oil Capacity (in³)	Internal Hyd. Safety Relief Valve Setting (psi)	Weight (lbs)
MAP07	16:1	1920	30-120	1595	612	24	415	2000	71
MAP15	23:1	2760	30-120	2320	465	24	415	3000	71

1) Based on 120 psi air pressure
2) At 0 hydraulic flow
3) At 0 psi hydraulic pressure
4) Available Cross Over Cover Plate to convert A&B outlet ports to P&T for use with remote valves
5) Pump element and repair kits are available
6) Valve manifold: 4 station DO3
7) Comes with 4 Cover Plates to isolate unused valve stations
8) Air relief valve set at 145 psi

Oil Flow:
612-465 in³/min*

Pressure:
1595-2320 psi*

Sound Level:
75 dBA*

Air:
Max 24 scfm*

Reservoir:
1.8 gallons

Ratios:
16:1, 23:1

* @ 100 psi air

Milwaukee Cylinder can offer any type of DO3 valve configuration to support your needs. Example products include:

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Optional P&T cross-over plate for use of a remote manifold.

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***MILWAUKEE CYLINDER* offers:**

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- Aluminum Cylinders
- Hydraulic Pneumatic Devices
  - Pressure Boosters
  - Air Oil Tanks
  - Accumulators
- Cylinder Accessories
  - Linear Alignment Tools
  - Amlok® Rod Clamp
  - Spherical Rod Accessories
- Industrial Manipulators
- Power Units And Valves
- Precision Actuation
- Test Stands

Contact Milwaukee Cylinder for your application needs.

Your ***Milwaukee Cylinder*** Distributor

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AN Actuant COMPANY

Specials

are

Our

Standard

Due to manufacturing processes and product improvements, please check website for the latest updates of products.

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