

## Heavy Duty Portable Handcart Filter-Pump Removes Water and Dirt from Oils and Fuels

### FEATURES

- 5 gpm flow rate
- High performance filter cartridge choices:
  - **Aquacon**® cartridge - removes free water and dirt
  - 4500 square inch high-capacity dirt filter
- Rugged welded steel construction
- TEFC Motor

### DESCRIPTION

The MP5 is a compact, portable filter system designed for use at the site of contaminated oil. It is easily wheeled to the sump or reservoir by one person.

The MP5 is completely self-contained and requires only electricity for operation. Standard features are listed on the reverse side. Note that the unit incorporates a reliable gear pump with an **integral pump pressure relief valve** to prevent system over-pressure.

A selection of high performance filter cartridges is offered for use with the MP5. Cartridge changes can be made in only a few minutes.

### APPLICATIONS

MP5s can be used with injection molding machines, mobile hydraulic equipment, small transformers, circuit breakers and various other types of equipment. Applications are as follows:

**New Oil** – Even new drums of oil are sometimes contaminated with dirt and water. The MP5 can remove this contaminant as it pumps the oil out of the drum.

**Machine Oil Reservoirs** – Good preventative maintenance practices include the routine filtering of used oil. This recycling procedure also extends the useful life of the oil.

**Spilled and Leaked Oil** – The MP5 can recover and recycle contaminated oil which would normally be discarded.



**MP5 Portable Filter System**

### Types of Oil Include the following:

- |                     |             |
|---------------------|-------------|
| Hydraulic Oil       | Lube Oil    |
| Insulating Oil      | Cutting Oil |
| Circuit Breaker Oil | Quench Oil  |
| Turbine Oil         | Diesel Fuel |
| Biodiesel Fuel      |             |

## MP5 SPECIFICATIONS

Standard features, all MP5 Models

- 5 gpm flow rate
- Powder coated interior and exterior
- 100 psi design pressure
- Welded steel construction
- 10" semi-pneumatic wheels
- Self-priming positive displacement pump with built-in pressure relief valve
- Static pressure gauge – indicates need for cartridge change
- ½ hp, 115V, 1-phase, 60 Hz, 10 Amp TEFC motor
- 10 ft. 3-wire power cord
- 10 ft. inlet and discharge hose, ¾" I.D.
- ¾" NPT male fittings on hose ends
- Suction Y-strainer mounted at pump inlet
- Weight: 116 lbs.
- Shipping weight: 139 lbs.
- Height: 38"; Width: 13¼"; Length: 26"

## FILTER CARTRIDGES

The MP5 portable filter accepts all Velcon standard 618/718 size cartridges. Contact your local Velcon representative for a complete listing of available cartridges and their applications.

**Dirt Removal:** For particulate solids, use FO-718PL Series large surface area pleated media cartridges, available in micron ratings from 0.3 to 50. For colloidal contaminants, FO-618FGA Series Fiberglass depth cartridges, available in micron ratings from 5 to 25, are recommended.

**Dirt and Free Water Removal:** Use *Aquacon*® AC-718 super absorbent cartridges to remove up to two quarts of free water and also filter particulate solids. Available in micron ratings from 0.3 to 5.

**Dissolved Water Removal:** Use *Superdri*® cartridge model SD-718 to remove dissolved water from insulating oil. Specify Flow Control Bypass option to reduce 5 gpm flow rate to 3 gpm recommended flow rate for SD-718 cartridge.



## ORDERING INFORMATION

Specify Model numbers as shown below. Units are shipped without cartridge.

<b>MP5-1</b>	115 vac, 1 phase, 60 Hz (basic unit)
<b>MP5XP-1</b>	115 vac, 1 phase, 60 Hz, explosion proof*
<b>MP5-2</b>	230 vac, 1 phase, 60 Hz
<b>MP5XP-2</b>	230 vac, 1 phase, 60 Hz, explosion proof*
<b>MP5-7</b>	230 vac, 1 phase, 50 Hz
<b>MP5-10</b>	Air Motor

For stationary base mounted unit, substitute "S" in the model number in place of the "P", e.g., MS5-1.

\*Note: Explosion proof units shipped without power cord, switch or plug.

## OPTIONS & ACCESSORIES

- 550Y020 Flow Control Bypass** – Allows manual adjustment of flow rate, controls pump cavitation
- 552Y030 Filter Bypass** – Transfer oil without filtration
- 703Y004 Delta P Gauge** – Direct reading 0 - 50 psid differential pressure gauge
- 722Y006 Digital Flowmeter** – Direct Reading, displays flow rate, total flow volume, total resettable batch flow volume

## RECOMMENDED SPARES

Filter Cartridge, box of 6

G-1045 Std Buna-N Filter Housing Lid Gasket, 1 ea (or)

G-1045A Viton-A Filter Housing Lid Gasket, 1 ea



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

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