

# Twin Housing Lightweight, Portable Handcart Filter Pumps

MCP5E Series. Removes Water, Dirt and Other Contaminants from Oils and Fuels.

## FEATURES

- Two stage series
- 5 gpm standard
- Economical two-cartridge configurations
- Choice of different cartridge combinations
- Quick and easy cartridge change
- Self-contained, one person operation

## DESCRIPTION

The **Parker Velcon MCP5E Series-Flow** employs two different types of filter cartridges in series. Typically, the first of the MCP5E's two housings is utilized as a prefilter. With heavy carbon or dirt contamination, this prefilter holds a cost-effective particle or colloidal removal cartridge and the second in series holds an **Aquacon**<sup>®</sup> super-absorbent water removing cartridge.

Other cartridge combinations have proven to be effective for filtering vacuum pump oil and other oils in corrosive environments. Use either an economical dirt cartridge or an Aquacon<sup>®</sup> dirt and water cartridge in the first stage and either a Fuller's Earth or an Activated Alumina cartridge in the second. The first stage removes dirt or dirt and water while the second removes acids, gums, surfactants, varnishes, soaps, color bodies, corrosive gasses, polar compounds, and oxidation products.



MCP5E Series  
(MPC5E-MK1 Model Shown)



ENGINEERING YOUR SUCCESS.

**THE MCP5E EFFECTIVELY PROCESSES:**

- Hydraulic Oil
- Heat Transfer Fluids
- Gear Oil
- Cutting Oil
- Lube Oil
- Mineral Oil
- Transformer Oil
- Vacuum Pump Oils:
- Synthetic Oils
- Diesel Fuel
- Biodiesel

**SPECIFICATIONS**

Standard features for all MCP5E Models

- 5 gpm standard flow rate
- Powder coated vessel, both interior and exterior
- Band Clamp vessel closure – no tools required
- Operating pressure to 100 psi
- 10” wheels
- Self-priming positive displacement pump with built-in pressure relief valve
- Static Pressure Gauge on each housing – to indicate when cartridge must be changed
- 1/2 hp, 115V, 1-phase, 60 Hz, 10 Amp TEFC Motor
- 10 ft. 3-wire power cord

- 10 ft. Inlet and Discharge Hose, 3/4” I.D.
- 3/4” NPT Male Fittings on hose ends
- Suction Y-Strainer mounted at pump inlet
- Weight: 157 lbs. Shipping Weight: 202 lbs.
- Height: 52”; Width: 22”; Depth: 22”

**RECOMMENDED SPARES**

- Filter Cartridge, box of 6 ea
- G-1016 Std Buna-N Filter Housing Lid Gasket, 2 ea
- G-1016A Viton-A Filter Housing Lid Gasket, 2 ea

**CUSTOM OPTIONS**

Call for quote.

**CARTRIDGE SELECTIONS**

Application	Cartridge	Filter Area, Sq. In.	Micrometer Rating, Specify:	Notes
Dirt Removal: Particulates	FO-718PL Series Pleated Media	5000	1/3, 1/2, 1, 2, 5, 15, or 50	Maximum particle filtration
Dirt Removal: Colloidals	FO-618FGA Series Depth Media	N/A	5, 10, or 25	Most cost effective for “slime” removal
Dirt and Water Removal	AC/AD-718 Series Aquacon®	2500	1 or 5	Removes dirt and 1 to 2 quarts water
		2900	1/2	For circuit breaker & high-carbon oils
Acid Removal	LA-71801B Fuller’s Earth			Use 1 gpm Filter Pumps
	LB-71801 Activated Alumina			Use 1 gpm Filter Pumps

**AVAILABLE STANDARD MODELS (SHIPPED WITHOUT CARTRIDGES)**

**MCP5E-MK1**

- Y Strainer

**MCP5E-MK2**

- Y Strainer
- Flow Bypass Control
- Filter Bypass
- DP Gauge
- Digital Flowmeter

**MCP5E-MK3**

- Y Strainer
- Flow Bypass Control
- Filter Bypass
- DP Gauge
- Digital Flowmeter
- 4-way Valve
- Sample Tap
- High Pressure Shut-Off



ENGINEERING YOUR SUCCESS.