

# Superdri® Handcart Filter Systems

MXP5E Series. Removes Dissolved Water from Transformer Oil Without Heat and Vacuum.

## FEATURES

- Flow control bypass
- Filter bypass
- Digital flowmeter/totalizer
- Sample taps
- Portable handcart mounted

## DESCRIPTION

The **Parker Velcon MXP5E** comes with all the features needed for proper use of Parker Velcon Superdri® Cartridges for dissolved water removal from transformer oil. Parallel flow through the two filter housings assures the proper flow rate through each SD-718 Superdri® cartridge. The unit is also valved so that series flow is possible for non-dissolved water oil handling applications, such as removal of dirt and free water. Use FO filter cartridges in the first housing to remove dirt particles. An Aquacon® cartridge in the second stage removes free water.

The flowmeter/totalizer feature allows the user to calculate the approximate lifetime of the Superdri® cartridges without an on-line moisture monitor. For dissolved water removal from transformer oil, the MXP5E is an economical alternative to more costly heat and vacuum systems.

## APPLICATIONS

The MXP5E-1 Portable Filter can be used for:

- Network transformer filling
- Drying wet LTC Compartments
- Vacuum-type LTC's
- Drum transferring operations
- Dissolved water removal capability for critical oil quality requirements



MXP5E Series  
(MXP5E-MK1 Model Shown)

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## SPECIFICATIONS

- 5 gpm flow rate
- Powder coated vessels
- Band clamp vessel closures
- Max. operating pressure 100 psi
- 10" wheels
- Flow control bypass
- Filter bypass
- Flow meter and totalizer
- Self priming positive displacement pump with built in pressure relief valve
- Static pressure gauge, manual air vent, and manual drain valve on each housing
- ½ hp, 115V, 1-phase, 60 htz., 10 amp TEFC motor\*
- 10 ft x 3 wire power cord
- 10 ft inlet and outlet hose, ¾" ID w/ ¾" male npt fittings

- Suction y-strainer
- Weight: 155 lbs.  
Shipping Weight: 200 lbs.
- Height: 52"; Width: 24"  
Depth: 22"

## CARTRIDGE SELECTION

The MXP5E portable filter accepts all Parker Velcon standard 618/718 size cartridges. Cartridges are available for removal of free water, dirt, and acids. Contact your local Parker AFD representative for a complete listing of available cartridges and their applications.

- Parallel Operation:  
Use ( 2 ) SD-718
- Series Flow:  
Use (1) FO-718PL1/2 and (1) AC-71801

## RECOMMENDED SPARES

- 6 cartridges
- 1 G-1016 Buna-N lid gasket

*Note:*

*If Viton-A lid gaskets are desired, order 2 G-1016A*

## CUSTOM OPTIONS

Call for quote.

## AVAILABLE STANDARD MODELS (SHIPPED WITHOUT CARTRIDGES)

Digital Flowmeter and Sample Tap include on all standard models

### MXP5E-MK1

- Flow Control Bypass
- Y Strainer
- Filter Bypass
- Digital Flowmeter
- Sample Tap

### MXP5E-MK2

- Flow Control Bypass
- Y Strainer
- Filter Bypass
- Digital Flowmeter
- Sample Tap
- Vacuum Pump

### MXP5E-MK3

- Flow Control Bypass
- Y Strainer
- Filter Bypass
- Digital Flowmeter
- Sample Tap
- Vaisala Moisture Sensor

### MXP5E-MK4

- Flow Control Bypass
- Y Strainer
- Filter Bypass
- Digital Flowmeter
- Sample Tap
- Vaisala Moisture Sensor
- Vacuum Pump



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