

## Superdri<sup>®</sup> Handcart Filter System

- Remove dissolved water from transformer oil without heat and vacuum
- 5 GPM Flow Rate

### FEATURES

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

### DESCRIPTION

The MXP5E comes with all the features needed for proper use of Velcon **Superdri**<sup>®</sup> 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**<sup>®</sup> 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**<sup>®</sup> cartridge in the second stage removes free water.

The flowmeter/totalizer features allows the user to calculate the approximate lifetime of the **Superdri**<sup>®</sup> 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.

### ON-LINE OIL DRYING

#### Vacuum-type LTCs

To use the MXP5E on energized vacuum-type LTCs, it is important to have a means for removing air from the system's filters, piping and hoses before circulating the oil. Velcon recommends adding optional vacuum pump (PN 103Y026) when ordering the MXP5E for this application.



### 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

## SPECIFICATIONS

- 5 gpm flow rate
- Epoxy coated vessels
- Band clamp vessel closures
- Max. operating pressure 100 psi
- 10" semi-pneumatic 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 hz., 10 amp TEFC motor\*
- 10 ft x3 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"



## OPTIONS & ORDERING INFORMATION

Specify model numbers as shown below:

|           |  |
|-----------|--|
| MXP5E-1   | 115 vac, 1 phase, 60 Hz (basic unit)             |
| MXP5EXP-1 | 115 vac, 1 phase, 60 Hz, explosion proof*        |
| MXP5E-2   | 230 vac, 1 phase, 60 Hz                          |
| MXP5EXP-2 | 230 vac, 1 phase, 60 Hz, explosion proof*        |
| MXP5E-7   | 230 vac, 1 phase, 50 Hz                          |
| MXP5EXP-7 | 230 vac, 1 phase, 50 Hz, explosion proof*        |
| MXP5E-10  | Air motor  |
| 746Y012   | Doble <b>DOMINO</b> <sup>®</sup> Moisture Sensor |
| 103Y026   | Vacuum pump                                      |

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

For stationary base mounted unit, substitute "S" in model number for "P". Example: MXS5E-1 = stationary base mtd 5 gpm filter pump, 115 vac, 1 ph, 60 Hz

## CARTRIDGE SELECTION

The MXP5E portable filter accepts all Velcon standard 618/718 size cartridges. Cartridges are available for removal of free water, dirt, and acids. Contact your local Velcon 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



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

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