

## Heavy Duty Portable Handcart Filter Pumps Double Capacity: 10 and 30 GPM Versions

### Remove Water & Dirt From Oils and Fuels

- Choice of dirt or combination dirt and free water removal cartridges
- Two cartridge – double contaminant removal
- Rugged welded steel construction
- Large pneumatic wheels for soft surfaces
- Self-contained, one person operation
- Lift ring for easy lifting

### DESCRIPTION

Double capacity HP Series Portable Filter Pumps are recommended for oils with higher concentrations of dirt, water and other contaminants. Two models are offered with a choice of 10 and 30 gpm flow rates.

The HP30, thirty-gallons per minute model is the preferred choice at electrical utility installations for transferring and filtering insulating oil. It has been proven to be economical, fast, and efficient for applications of this type involving larger volumes of oil.

The HP Series two-cartridge design filters and holds more than twice as much contaminant as single cartridge units. Several different types of filter cartridges are offered for specific applications. Cartridges can be changed in only a few minutes.

HP Series Filter Pumps are highly portable. Large pneumatic wheels allow the units to be moved over soft and irregular surfaces by one person. Rugged, welded steel construction makes them suitable for operation in the most difficult and demanding industrial environments. Units are completely self-contained and require only electrical power to operate.



**HP10 shown with  
optional accessories**

### FILTER CARTRIDGES

**Dirt Removal:** For dirt particles, use two FO-718PL Series large surface area pleated media cartridges. For colloidal contaminants, two FO-618FGA Series fiberglass depth cartridges are recommended.

**Dirt and Water Removal:** Use two **Aquacon**<sup>®</sup> AC-718 Series free water absorbent cartridges. Each removes 1 to 2 quarts of free water and also filters dirt particles.

**Aquacon**<sup>®</sup> Cartridges have a unique inner absorbent media. Absorbed water is chemically locked in. When the cartridges reach their water holding capacity, their accordion pleats swell shut. This causes an increase in the differential pressure which signals the operator to change the cartridges.

## APPLICATIONS

Hydraulic Oil	Transformer Oil	Cutting Oil
Lube Oil	Quench Oil	Gear Oil
Diesel Fuel	Biodiesel Fuel	

**PLEASE NOTE:** Use of **Aquacon®** or Fiberglass Depth Cartridges with the HP30 (30 gpm) unit should be limited to oils with a viscosity of 100 SSU or less. Transformer and circuit breaker oils are acceptable. This limitation does not apply when using pleated media cartridges.

The HP30 unit should only be specified for use on insulating oil with a viscosity of 100 SSU. Please contact Velcon regarding application of the HP30 to other, more viscous fluids.

## OPTIONS & ACCESSORIES

HP10	HP30	
550Y030	550Y040	Flow Control Bypass
552Y040	552Y050	Filter Bypass
440Y005	440Y007	"Y" Suction Strainer
440Y104	440Y106	Basket Suction Strainer
553Y040	553Y050	4-Way Inlet Valve
554Y040	554Y050	Full Port Isolation Valves (2 ea)
725Y003	725Y003	Pressure Shut-Off Switch (w/o alarm light)
725Z003	725Z003	Pressure Shut-Off Switch (w/alarm light)
703Y004	703Y004	Differential Pressure Gauge
440Y404	440Y404	Automatic Air Eliminator
661Y012	661Y012	Remote Stop/Start Switch (w/25 ft cord)
722Y006	722Y006	Digital Flowmeter/Totalizer
165Y012	165Y052	Male Cam Connections (2 ea, w/dust caps)
150Y4XX	150Y6XX	Hose w/Male x Female Cams (Specify length in ft, XX = 10, 15, 20, 25)
151Y4XX	151Y6XX	Hose w/Female Cams (Specify length in ft, XX = 10,15, 20, 25)
165X014	165X054	Female Cam x Male NPT Fitting (1 ea, shipped loose)
165X012	165X052	Male Cam x Male NPT Fitting (1 ea, shipped loose)

## SPECIFICATIONS

### Standard Features, all HP Series Models

- Double capacity – holds two 18" length 618/718 style filter cartridges
- Carbon steel construction
- 10" pneumatic wheels
- Totally enclosed, fan cooled motor
- Built-in pump bypass to prevent system over-pressure
- Pressure gauge to indicate when elements must be changed
- Wiring complete to switch box – user to install power cord and plug
- Buna-N lid gasket
- Lift ring
- Height: 54", Width: 22", Depth: 31"

Model Number	HP10	HP30
Flow Rate	10 gpm	30 gpm
Motor Horse Power	1	2
1-Phase Amperage	115V/16A, 230V/8A	115V/24A, 230V/12A
3-Phase Amperage	230V/3.6A, 460V/1.8A	230V/6.8A, 460V/3.4A
Inlet/Outlet	1" NPT	1½" NPT
Weight	225 lbs.	270 lbs.
Shipping Weight	375 lbs.	420 lbs.

## ORDERING INFORMATION

Specify model number as shown below.

HP10-1	or	HP30-1	115 v, 1-ph, 60 Hz
HP10-2	or	HP30-2	230 v, 1-ph, 60 Hz
HP10-3	or	HP30-3	230 v, 3-ph, 60 Hz
HP10-4	or	HP30-4	460 v, 3-ph, 60 Hz

Also available: 50 Hz power, explosion proof motor, variable speed motor, low rpm motor (contact Velcon)

## RECOMMENDED SPARES

1 ea	G-1045	Standard Buna-N Lid gasket (or)
1 ea	G-1045A	Optional Viton-A Lid gasket



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

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