

# Stationary Filter Systems

## TP3 Series

### FEATURES

- **Automatic Shut-Off (MK2 & MK3):** Pressure switch turns the system off when filter is plugged. Relay can be wired to remote alarm or indicator light.
- **Oil Make-Up :** Oil reservoir can be topped off using 3-way valve oil make-up port.
- **Hour Meter (MK2 & MK3):** Records run time of system to assure user of consistent operation.
- **Timer (MK2):** 24-hour mechanical timer can be set for hours of daily operation.
- **Flexible Operation (MK3):** Digital electronic timer can be programmed for multiple operating sequences. Internal battery keeps program in memory during power loss.

### DESCRIPTION

The **Parker Velcon TP3** was developed in response to the industry's desire to reduce operation and maintenance costs and increase system reliability. Station Filter Systems have proven to be an effective means of combating load tap changer and other industrial oil problems. Tap changers retrofitted with a TP3 enjoy the following:

- Consistent high oil dielectric strength
- Extended maintenance/inspection intervals
- Reduced contact wear and coking
- Extended oil life
- Reduced contact erosion via reduced restrikes during tap changing

The Parker Velcon TP3 is recommended for installation on systems that:

- Perform a high number of operations
- Exhibit consistent sludging conditions
- Have a high tap-to-tap voltage difference
- Require frequent attention

Quality components and comprehensive design features have made the TP3 an industry standard for on-line filtration. All components are fully enclosed in cabinet. Operation of the unit is unattended. A flow rate of 3 gpm keeps turbulence in the reservoir to a minimum and allows for maximum filter life.



TP3-MK3 Model Shown



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## SPECIFICATIONS

- **Flow Rate:**  
3 gallons per minute
- **Cabinet:**  
Painted grey acrylic, easy-opening handle with lock and 3-point latch, with louvers and filters
- **Dimensions:** 43" x 30" x 12" (H-W-D)
- **Pump:**  
Heavy-duty, self-priming, positive displacement gear pump with built-in pressure relief valve and mechanical seal.
- **Piping:**  
Stainless steel tubing, JIC hydraulic fittings. External connections are 1/2" female NPT.
- **Filter Vessel:**  
Velcon Model VF-71E, with manual vent and static pressure gauge, is polyester powder coated internally and externally. No tools required for filter changeout.
- **Filter (not included):**  
Use Velcon Model FO-718PL1/2 for removal of carbon contamination.
- **Sight Glass (MK2 & MK3):**  
150 psi maximum working pressure for oil flow indication.

- **Electrical Motor:**  
1/2 hp, 120V, 1-phase, 1740 rpm, TEFC
- **Control box (MK2 & MK3):**  
NEMA 12 with high pressure switch, latching relay, magnetic contactor, hour meter, and manual starter/disconnect with 10 amp heater overload
- **Power requirements:**  
120 vac, single-phase, 10 amps

## RECOMMENDED SPARES

- FO-718PL1/2  
Filter Cartridge, box of 6 ea (or:)
- FO-718PLP3  
Filter Cartridge, box of 6 ea (or:)
- AC-7181/2  
Aquacon® Cartridge, box of 6 ea (or:)
- AC-718P3  
Aquacon® Cartridge, box of 6 ea (or:)
- SD-718P3  
Superdri® Cartridge, box of 6 ea
- G-1016  
Filter Housing Lid Gasket, 1 ea



TP3-MK1 Model Shown

## AVAILABLE STANDARD MODELS (SHIPPED WITHOUT CARTRIDGES)

	Fan	Timer (Dig)	Timer (Mec)	Heater	Sight Glass	Reverse Pump
TP3-MK1						
TP3-MK2			×	30W	Tube	
TP3-MK3	×	×		400W	Tube	×



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