

On-Line Oil Filtration For Load Tap Changer Compartments

The TP-5E is designed for permanent mounting on load tap changers to remove carbon and other contaminants from insulating oil, without interrupting service. This unit helps prevent premature tap changer failure by keeping the dielectric strength of the oil high.

BENEFITS

- Maintains consistent high oil dielectric strength
- Extends maintenance/inspection intervals
- Reduces contact wear and coking
- Extends oil life
- Decreases contact erosion via reduced restrikes during tap changing

APPLICATIONS

The Velcon TP-5E is recommended for installation on tap changers that:

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



FEATURES

The TP-5E is a basic pump, motor, and filter system. The user must supply motor control components of their choice to complete the system.

- Unit comes equipped with drain valve and a filter vessel air vent
- Factory installed drip pan to capture oil during cartridge changeout
- Built-in pressure relief bypass on pump protects filter cartridge from over pressurization when filter is plugged
- All components are factory mounted on a 1/8" steel backpanel with a rain shield to protect motor

SPECIFICATIONS

Mechanical

Flow Rate: 5 gallons per minute.

Pump: Heavy duty self-priming positive displacement pump with built in pressure relief valve.

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 epoxy coated internally and externally. No tools required for filter changeout.

Filter: Velcon model FO-718PL1/2 comes installed for removal of carbon contamination. (AC-7181/2 free water removing filter cartridge available at no additional charge. SD-718P3 **SuperDri**[®] dissolved water removing filter cartridge also available.)

Electrical

Motor: 1/2 hp, 115V, 1-phase, 1740 rpm, TEFC.

Power Requirements: 120 VAC, single-phase, 10 amps.

Ordering Information

System Part Number: TP-5E

Weight: 95 lbs.

Shipping Weight: 105 lbs.

Dimensions: Height: 26", Width: 20", Depth: 14"

Recommended Spares

(6) FO-718PL1/2 Filter Cartridge

(6) Optional AC-7181/2 free water removing filter cartridge

(6) Optional SD-718P3 dissolved water removing filter cartridge

(1) G-1016 Filter Vessel Gasket

Warranty

All Velcon Systems are under warranty for one year.



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

COMPANY HEADQUARTERS:
Velcon Filters, Inc. 4525 Centennial Blvd.
Colorado Springs, CO 80919-3350
Phone: 1.800.531.0180
Fax: 719.531.5690
e-mail: vfsales@velcon.com
www.velcon.com

MANUFACTURING PLANTS LOCATED AT:
Colorado Springs, Colorado
Sylacauga, Alabama
Harlingen, Texas

OVERSEAS AFFILIATES:
Frankfurt/M., Germany & Singapore

**Liquid Filtration
and Separation
Specialists**