

On-line Oil Filtration For Load Tap Changers, Regulators and Circuit Breakers

The TP2EC is designed for permanent mounting on electrical apparatus to remove carbon and other contaminants from insulating oil without interrupting service. This unit helps prevent premature 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
- Decreases contact erosion in LTCs via reduced re-strikes during tap changing

APPLICATIONS

The Velcon TP2EC is recommended for installation on apparatus that meet the following criteria:

- Perform a high number of operations
- Exhibit consistent sludging conditions
- LTCs that have a high tap-to-tap voltage difference
- Require frequent attention
- Are hard to take out of service for maintenance



FEATURES

- All components mounted inside a vented NEMA 4 enclosure
- Easy cartridge change due to spin-on design
- Built-in pressure relief bypass on pump protects filter from over pressurization when filter is plugged
- Fused on/off disconnect switch
- Economical design
- Pressure gauge indicates when filter cartridge needs changing



OPTIONS AND ACCESSORIES

High-pressure shut-off switch
 Digital timer for auto on-off
 Enclosure heater
 Enclosure vent fans
 Stainless steel tubing

ORDERING INFORMATION

System Part Number: TP2EC-1

Weight: 80 pounds

Shipping Weight: 90 pounds

Dimensions: 30" height; 24" width; 12" depth

Contact factory for options/accessories part numbers

RECOMMENDED SPARES

- 6 ea. Model FO-511P5SP spin-on filter cartridges
- 6 ea. optional Model AC-511P5SP spin-on filter/free water removal cartridges

SPECIFICATIONS

Flow Rate:

2.5 gallons per minute (gpm)

Pump:

Heavy duty self-priming positive displacement gear pump with built-in pressure relief bypass, double lip seal

Tubing:

Heavy duty industrial hose, 250 psi working pressure, 1000 psi burst pressure

Connections:

External connections are 1/2 inch female pipe thread

Spin-on Head:

Aluminum filter head with built-in pressure relief bypass, 0 - 100 psig static pressure gauge

Filter:

Spin-on design for easy change-out, 1/2 micron filtration media for carbon removal

ELECTRICAL

Motor:

1/8 horsepower, 1740 rpm, totally enclosed fan cooled

Power Requirement:

120 volts AC, single-phase, 60 Hz, 8 amps



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

COMPANY HEADQUARTERS:

Velcon Filters, LLC
 1210 Garden of the Gods Road
 Colorado Springs, CO 80907-3410
 Phone: 1.800.531.0180 / 1.719.531.5855
 Fax: 719.531.5690
 e-mail: vfsales@velcon.com
 www.velcon.com

MANUFACTURING PLANTS LOCATED AT:

Colorado Springs, Colorado
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