

Peco Facet Power Distribution FILTRATION PRODUCTS

Call Us
For
Clear
Solutions





**Specializing in Oil Filtration
for the Power Industry**

Load Tap Changer Filtration



- **Reduce Operating and Maintenance Cost**

Facet Filtration maintains insulating oil cleaner than new oil cleanliness levels by removing metallic, particulate, and water contamination to aerospace specifications. Super clean oil eliminates the precursors to oil oxidation that leads to the formation of sludge and coking in tap changers. Facet Filtration eliminates insulating oil replacement cost and indefinitely extends costly routine load tap changer maintenance.



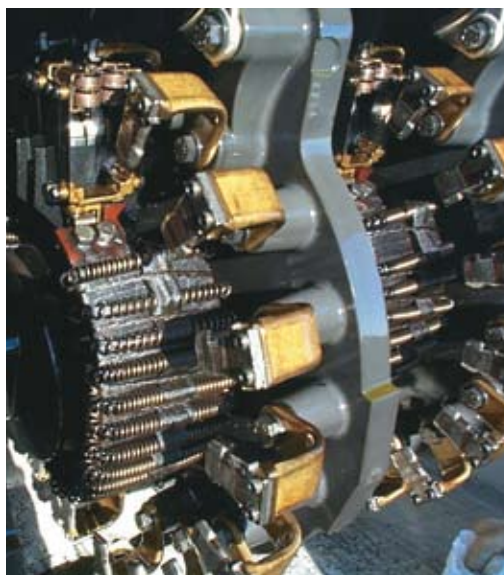
Typical view of LTC Tank
with filtration
12 months after 12000 operations



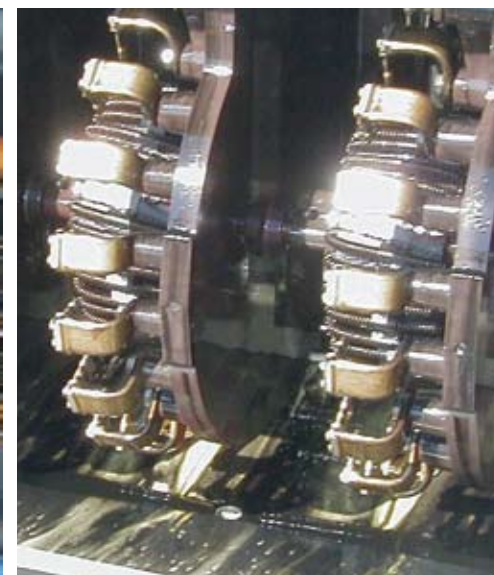
Typical view of LTC Tank
without filtration
12 months after 12000 operations

- **Extend Equipment Life**

Facet Filtration increases the effectiveness of insulating oil by maintaining high oil dielectric strength and interfacial tension and low moisture and acid levels in oil. Super clean oil prevents LTC contact over-arcng which minimizes contact scorching, reduces contact wear, and extends internal component and LTC contact life.



LTC with filtration
No signs of contact degradation



LTC without filtration
Heavily coked with signs of excessive arcing

- **Increase Equipment Life and Reliability**

Installing Facet Filtration can eliminate the possibility of premature Load Tap Changer failure. Our filtration equipment turns costly maintenance events into simple inspections. Eliminate unexpected outages and increase your equipment's performance and reliability with Facet Filtration.

Alternate Filter Selection Available for All Industry Standard Vessels



Insulating Oil Filters for Utilities Market

Benefits

- Absorbs highly emulsified water and dissolved water
- Retains larger amounts of water than our competitor
- High efficiency for ultra-fine carbon removal
- High collapse rating of cartridges

Materials

- Metal components treated to protect against corrosion
- Super-absorbent polymers which chemically lock in water
- Glass cellulose pleated section for ultra-fine solids removal
- Buna-N gaskets

Standard Design Features

- 250°F Maximum operating temperature
- 75 psi Minimum collapse pressure
- Media migration barrier
- Outside to in flow direction

Applications

- Circuit Breaker Oil
- Hydraulic Oil
- Silicone Dielectric Oil
- Switchgear Oil
- Tap Changer Oil
- Transformer Oil
- Turbine Oil

UA-829-1*



UA-815-1*

UA-822-1*

* Single piece construction to replace Cuno/Ertel/Alsop 2, 3 & 4 high stacked disc type cartridges

Tap Changer Filtration Systems

Features & Benefits

- Extends maintenance and inspection intervals
- Eliminates coking and extends contact life
- Extends fluid life and maintains oil at aerospace cleanliness levels
- Removes water and particulate matter
- NEMA 3R enclosure powder baked ANSI 61 Gray with spill containment reservoir
- Automatic high pressure, (plugged filter) shutdown system and low pressure (loss of flow) shutdown system with alarm
- Spill containment with oil spill shutdown system (patent # 5,691,706)
- 3 GPM mechanical sealed positive displacement pump.
- Wired 110 volt, 1 phase with all electrical components assembled in a separate NEMA 4 enclosure
- Control circuit complete requiring only power and alarm connections



FLT105-B1

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- Wired 110 volt, 1 phase with all electrical components assembled in a separate NEMA 4 enclosure
- Control circuit complete requiring only power and alarm connections
- Multifunctional timer, programmable from 1 hr. to 24 hrs. to accommodate individual LTC needs
- External Mount Package with:
 - 0-100 glycerin filled pressure gauge
 - Elapse hour counter to register run time
 - External wiring lamp to indicate high pressure shutdown
 - External warning lamp to indicate low pressure shutdown



FLT105-C1



Depth-Clear SA & U Series

U Series Modules provide reliable particle retention and long on-stream life cycles

Benefits

- The proprietary formulation process used to produce the SA Series results in depth media with exceptionally high moisture retention properties
- Filter modules are easy to handle and install allowing for quick and easy change-outs
- Very high surface area per module results in small space requirements for filter housings
- Filter modules are environmentally safe
- All SA Series modules are packaged with a desiccant to prevent absorption of moisture prior to use



Applications

- Transformer Oils
- Lubrication Oils
- Machine Oils
- Dielectric Oils
- Turbine Oils
- Tool Oil
- Hydraulic Oils

Faci-Dry Filter Series

Specifically designed to remove dissolved water and particulate contamination from transformer oil

Benefits

- Removes dissolved water from insulating oil to less than 5 PPM in a single pass
- Single element will hold over 1900 ML or over 1 gallon of water
- 1/2 Micron double pleated media provides particulate removal down to (1) Micron
- Total containment holding capacity up to 1/3 pound
- Single element capable of cleaning over 6000 gallons of insulating oil
- Removes moisture from transformer oil without heat or vacuum system



Applications

- Transformers
- Oil Circuit Breakers
- Load Tap Changers
- Voltage Regulators
- Insulating Oil storage tanks

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Facet

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