

TRTC[®]

On-Load Tap Changer Oil and Particulate Filtration System

- ✓ On-Line Continuous Operation → **No Downtime**
- ✓ Single Enclosure Design → **Easily Portable**
- ✓ High-Precision Dual Filtration → **Two Stage Filtration**
- ✓ Simple Filter Replacement → **Easy Maintenance**
- ✓ Built-In Safety Interlocks → **Peace of Mind**



Why OLTC Filtration is Critical?

On-Load Tap Changers (OLTCs) operate under frequent switching, producing arcs that decompose insulating oil into free carbon, gases, and acidic by-products. These contaminants, along with moisture ingress, reduce oil dielectric strength, accelerate insulation aging, and increase the

risk of contact wear, carbon deposition, and three-phase short circuits.

Continuous OLTC oil filtration maintains cleanliness, ensures reliable switching, extends contact life, and prevents transformer faults and costly outages.

Introducing TRTC

The DryTrans TRTC: On-Load Tap Changer Filtration Unit is an advanced online moisture and impurity management solution designed specifically for transformer tap changers. During every switching operation, OLTC oil is exposed to arcing, generating carbon, metal particles, moisture, and acids that accelerate insulation aging and increase failure risk.

The TRTC continuously filters and dehydrates OLTC oil without requiring shutdown, using high-efficiency precision filters. With intelligent PLC control, online monitoring, and leak detection, the TRTC safeguards transformer reliability, extends OLTC life, reduces unplanned outages, and ensures clean, stable insulation performance in all conditions.

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