

OIL FILTRATION ON-LINE

Description

Enervac developed the On-Line Tap Changer Filter System (TFS-2) to reduce the carbon, water, and metallic particles that are produced by arcing contacts during the transfer of loads from tap-to-tap in the tap changer compartment. By doing this, operation and maintenance costs become reduced and the system's reliability is improved. Load Tap Changer problems can be effectively combated with the use of Enervac's On-Line oil filtration system.

Design Benefits

- Maintenance and Inspection requirements become reduced.
- Increase in the tap changer's life.
- Dielectric strength of the oil remains high.
- Extends the life of the oil.
- Contact wear and coking becomes reduced.
- Reduction in re-strikes during tap change due to reduced contact erosion.
- Expensive downtime due to equipment failure will be minimized.
- Equipment will operate more safely.
- Reduced oil changes & disposal costs.

Applications

The Enervac TFS-2 is suggested for installation on tap changers that:

- Frequently require attention.
- Consistently exhibit sludging conditions.
- The tap-to-tap voltage difference is high.
- Perform a high number of tap changing operations.

Filtration

- Enervac Element EP-7181/2A2 or EW-718-1/2A2
- Filter Case: Enervac E858B-1

Specifications

| Model | Power Rating | Size |
|--------------|-------------------------|--------------------------------|
| TFS-2 | 120V-1P-60Hz 14 Amps | 42"H x 30"W x 10"D 210 lbs. |

- Flow Rate: 2 USgpm
Pump: Heavy Duty self-priming positive displacement pump with a mechanical seal and integral safety relief valve
Cabinet: NEMA 4 c/w weatherproof vents and filters. Finish - Grey Acrylic.
Motor: ½ HP-120V-1Phase, 1750 rpm, TEFC.
Control Box: Main disconnect, motor starter c/w overload, selector switch & light.
Piping: ½" Stainless Steel Tubing



Custom units, different voltages, and larger flow rates are available on request. All units are designed for simple operation and installation.