

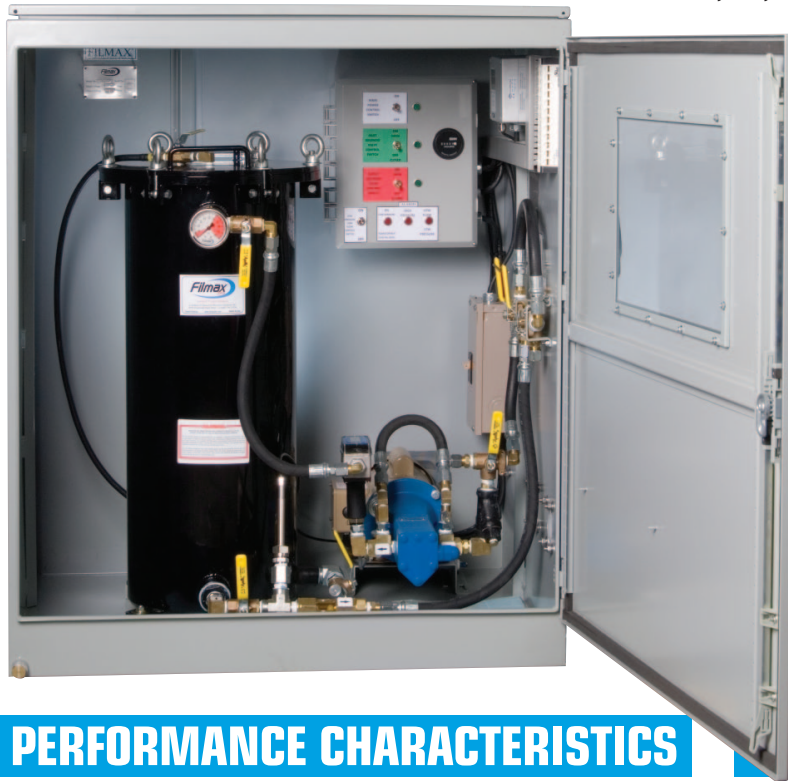
MODEL TS-7100

TRANSFORMER FILTRATION SYSTEM



Safe, Reliable, and Economical Oil Filtration For Energized Power Transformers

(Patent #6,476,723)



The most simple and effective filtration machine in the power industry for dissolved water removal from energized power transformers. The TS-7100 is designed to clean and purify insulating oil in transformers up to 9000 gallons. The TS-7100 rapidly removes dissolved water in transformer insulating oil without heat or vacuum. The TS-7100 provides the most economical and cost effective filtration to continuously maintain transformers dry of moisture with the most advanced safety features with Filmox's Patented Oil Spill Containment System.



PERFORMANCE CHARACTERISTICS

- Remove dissolved water to less than 5 ppm.
- Manufactured for installation on energized transformers.
- Dry Out Transformer Insulation
- Increase Thermal Insulation life.
- Dry Transformers Insulating Oil without having to take them out of service
- Increase oil dielectric strength.
- Improve transformer power factor.
- Extends oxidation inhibitor life.
- Extends insulating oil life.
- Extends transformer service life.
- Reduce transformer maintenance cost.
- Safely operates for unattended operation.
- Compact unit design for easy installation.

FEATURES

- Filmox's Patented Oil Spill Containment System
- Spill Containment Reservoir to collect oil internally and externally (inlet and outlet hoses) and to automatically shutdown unit, send alarm and isolate filtration unit from transformer.
- Two (2), Twenty Five (25') coaxial hoses consisting of 25' of 1/2" High Pressure Internal Hose shielded with 25' of 1 1/2" clear industrial hose to ensure and protect any leakage drains into Spill Containment Reservoir.
- Coaxial hoses are manufactured with N.C. solenoid valves for transformer connections and wired to main control circuit to automatically shut down and isolate the filtration unit in the event of any oil leakage, oil spill, or loss of power.
- Manufactured for SCADA connection to Transformers low oil level alarm to automatically shutdown and isolate filtration unit from the transformer.
- Automatic High Pressure Shutdown and High Oil Level Containment Shutdown with Alarm indicator lamps.
- Automatic Low Pressure Shutdown (loss of oil flow) with indicator lamp.
- Quick filter change capabilities.

Reducing Your Costs Today and Increasing Your Performance Tomorrow

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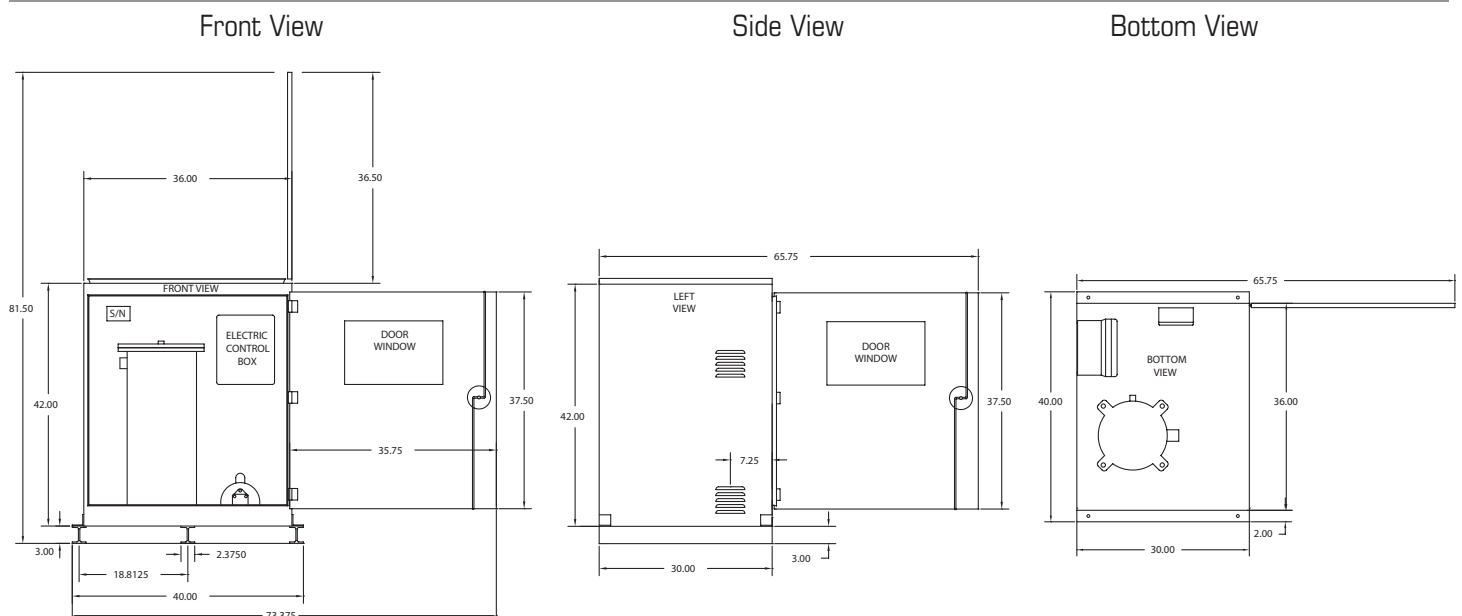
PERFORMANCE SPECIFICATIONS

- Custom NEMA 3R enclosure 48" w x 31" d x 45 $\frac{3}{4}$ " h Powder Baked ANSI 61 Gray with hinged top panel and front opening door with enclosure lift hooks.
- One (1) Polyurethane Powder Baked F-3000 Element Housing.
- $\frac{1}{2}$ HP TEFC Baldor Motor, 120 VAC Single-Phase, 60hz with Thermal Overload Protection.
- 5 GPM Viton Mechanical Sealed Positive Displacement Pump with Internal Relief Valve.
- Suction Wye-Strainer to protect pump from large debris.
- Internally plumbed with all brass fittings and High Pressure Wire Reinforced Hose with crimped fittings.
- Wired 120 VAC, 1 Phase with all electrical components manufactured in a separate NEMA 12 enclosure.
- Automatic high pressure shut down system at 35 PSI and low pressure shutdown system at 10 PSI with indicator lamps.
- One (1) 100 PSI Glycerin filled pressure gauge.
- Manufactured with (3) three automatic shutdown control circuits with individual alarms.
 - High Pressure Shutdown
 - Low Pressure/Low Flow Shutdown
 - Filtration System Containment Spill
- 3-Way inlet valve for simple adding of makeup oil and draining of filter housing for quick filter change.
- In line double window site glass with ball float for fluid monitoring.
- Hour meter to monitor and record equipment run time.
- Digital Resettable Flow Meter to measure flow rate and cumulative fluid pumped.
- Control Circuit complete requiring only power and alarm connections.
- Drain valve for oil sampling.
- Completely self-contained unit provided with (25) feet of 12/3 power cable.

OPTIONS:

- In-Line Monitoring Moisture Sensor with LCD display of oil temperature, water PPM and relative saturation.

PHYSICAL DIMENSIONS



Approximate Shipping Weight: 575 lbs.

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Product status and specifications are subject to change.

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