Filmax™
Oil Filtration Systems

TS-7200

OIL FILTRATION SYSTEM

TS-7200 features dual canisters for greater media surface area, enabling faster, more efficient results on time-sensitive jobs—saving both time and cost.

- Automatic restart system for voltage drop or power interruptions
- Main power 20 amp circuit breaker for power disconnects
- Control circuit requiring only power and alarm connections
- All steel fittings and high pressure hoses with crimped swivel ends
- 3/4 HP TEFC motor with thermal overload protection
- 8 GPM mechanically sealed positive displacement pump with internal relief valve
- Automatic high and low pressure shutdown system with alarm and remote contacts
- Failsafe system which isolates machine from transformer in event of low oil pressure, high oil pressure, or internal oil spill
- (2)FHF-3000 housing epoxy powder-coated (inside and out)
- Reverse flow manifold to fill inlet and outlet lines with oil to purge the system of all air
- Wired 120 VAC, 8 AMP (10.5 AMP at startup and 8 continuous) 1 Phase system with all electrical components in a separate
- NEMA 4 enclosure, upgradable to 240 VAC as needed
- Spill containment enclosure with 2 isolating shutdown switches in the event of oil spill
- SCADA connection capabilities
- 3-way inlet ball valve to add make-up oil and drain filter housing which simplifies filter changes
- Actuating ball valve rated from -40 to +150 degrees F
- Digital flow meter with manual reset
- Inline double window sight glass with float ball for fluid monitoring
- Sample port for easy oil sampling
- Custom NEMA 3R enclosure 56”WX31”DX47”H powder-baked ANSI 61 Gray

Integrated Monitoring

The system includes a Vaisala moisture monitor with two probes providing real-time PPM, relative saturation, and temperature—one probe measures oil within the transformer, and the second tracks what exits the filters. This helps verify filter performance and indicates when changeouts are needed.

Expected Performance

Pump: industry-standard 5 GPM; planning basis ~2.5 GPM through the filters to account for seasonal viscosity changes. Throughput at 2.5 GPM: ≈150 gallons/hour (≈3,600 gallons/day)—roughly a full turnover per day for a 3,600-gallon reservoir. The moderated flow supports longer media contact time (better moisture removal) while minimizing return-line turbulence.

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