



THERMAL OIL FILTRATION SYSTEM

Maximum uptime for thermal oil systems



Protecting thermal systems where uptime matters most

Contamination is the leading cause of thermal oil system failures. Solid particles, oxidation by-products, and water reduce heat transfer efficiency, accelerate equipment wear, and affect temperature stability, often resulting in unplanned downtime.

The Comact thermal oil filtration system is designed to continuously remove these contaminants and support stable, reliable system operation.

Operational impact

- Improved uptime through continuous oil cleanliness
- More stable thermal performance and heat transfer
- Reduced maintenance requirements and longer service intervals
- Extended oil and component life
- Safer operation with integrated system protections

System overview

A skid-mounted filtration solution engineered for continuous-duty operation without disrupting production.

The system includes two primary skids:

- **Filtration skid** with gear pump, stainless steel filter pods, oil-to-oil heat exchanger, drain tank, and integrated controls
- **Cooling skid** with oil-to-air heat exchanger and temperature-controlled blower

Oil is cooled prior to filtration, improving the removal of water and fine contaminants and ensuring consistent filtration performance.

Filtration and controls

- High-capacity filter pods operating in parallel
- Flow directed through the most efficient filtration path
- Removal of particles, oxidation by-products, and free and emulsified water
- Local or remote operation

Integrated protection

- High pressure and high temperature shutdown
- Leak detection
- Motor protection



See how clean oil can improve your system's performance. Contact Comact today.

1-843-563-7070 | info@comact.com | comact.com



Designed for industrial applications

Engineered for continuous operation in demanding environments:

- Heavy-duty steel skid construction
- Stainless steel filtration components
- Service life of up to 20 years

Suitable for thermal oil systems, lumber dry kilns, energy plants, and continuous high-temperature processes.

Maintaining oil cleanliness is key to reliable thermal system performance. The Comact thermal oil filtration system helps protect critical equipment, reduce operating costs, and support consistent production over time.

**COMMITTED TO EXCELLENCE
DRIVEN BY INNOVATION**