

API Plan 52 Seal Support System (Unpressurized Buffer Fluid Reservoir)

TYPE : API PLAN 52

Vessel / Shell :

- Carbon Steel / SS 316 / SS 316L

Cooling Coil :

- SS 316 / SS 316L / Duplex SS / Alloy 625

Gaskets / Seals :

- PTFE / FKM / Graphite / Spiral-Wound Gasket

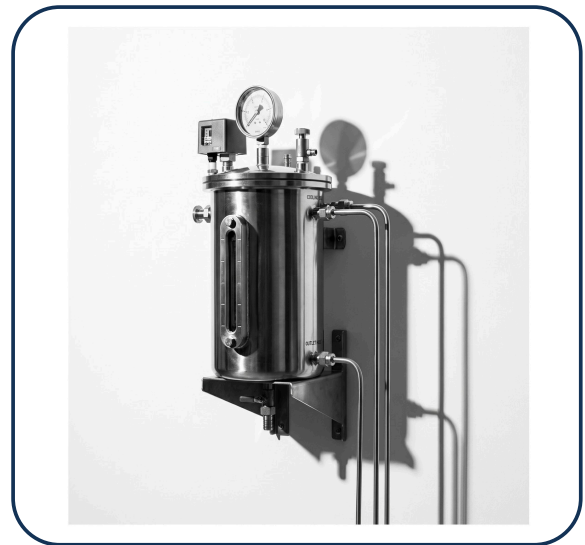
Operating Limits :

Size: 10 L reservoir (typical)

Speed: Seal dependent

Pressure: Vessel up to 32 bars (464 psi)

Temperature: -20 °C to +400 °C (-4 °F to +752 °F)



Illustrative rendering

Application :

- Heat Transfer Fluid Circulation Systems
- Refinery Light Hydrocarbon Pumps
- Petrochemical High-Vapor-Pressure Fluids
- Hazardous or Toxic Liquid Pumps
- Volatile Organic Compound Services
- Leakage Containment & Monitoring
- Dual Seals Where Barrier Contamination Is Unacceptable

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Features :

- **Integrated Cooling Coil** removes heat from the circulating buffer fluid.
- **Pumping-Ring Circulation** moves buffer fluid through the seal support loop.
- **Level Gauge** with optional level transmitter for leakage trending.
- **Vent-to-Collection Connection** routes vapour or leakage to a safe system.
- **Consistent Buffer Supply** to the outer seal for reliable dual-seal operation.
- **Containment Backup**; the outboard seal provides redundancy.
- **Modular Accessories** including gauges, transmitters, switches and refill pump.
- **Design Dependent Ratings**; buffer kept below seal chamber pressure.

➤ **DIMENSIONS AND CONNECTIONS ON REQUEST**