

MECHANICAL SEAL SUPPORT TANKS

Mechanical seal support systems are the lifeline to dual, liquid-lubricated mechanical seals. By providing a dedicated lubrication system, mechanical seal performance will be optimized. Other, less efficient systems will compromise seal performance and reliability goals.

Tank System Benefits

- Eliminate costly seal flushes
- Minimize product dilution costs
- Eliminate treatment, recovery or evaporation costs
- Meet environmental regulations
- Eliminate system upsets and cross contamination with common forced circulated lubrication systems
- Serve remote equipment locations

CHESTERTON Tank Features

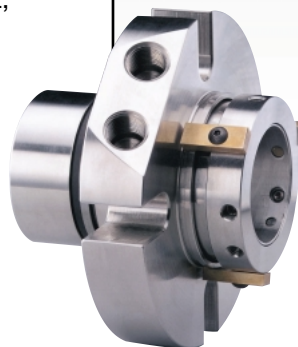
This High-capacity support tank is designed with versatility in mind. The CHESTERTON high capacity, three-gallon tank provides 50% more liquid volume as compared to conventional tanks. Increased heat removal will provide a cooler seal environment. Lower operating temperatures mean greater reliability and reduced seal leakage rates. One tank can reliably satisfy a wide range of applications.

Built in accordance with ASME Section VIII, DIV.1, and Section IX of the welding codes with workmanship extending beyond industry standards. Complies with PED 97/23/EC. By providing a safe, properly designed, clean reservoir, dual mechanical seals will operate reliably.

UM Stamp certified and pressure tested to meet the stringent requirements in today's safety focused environments. Elliptical heads are standard as in API 8th Edition. They provide added security with higher-pressure capability over the conventional flat, welded plate designs. Minimize potential liability with an ASME, UM stamped support tank.

Unique cross-flow design provides optimum seal cooling. Cross-flow increases barrier fluid residence time between the supply and return of the mechanical seal. The ability to remove additional heat will guard against lost lubrication properties through barrier fluid breakdown and oxidation.

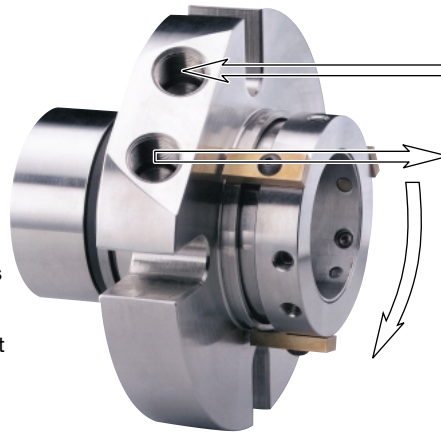
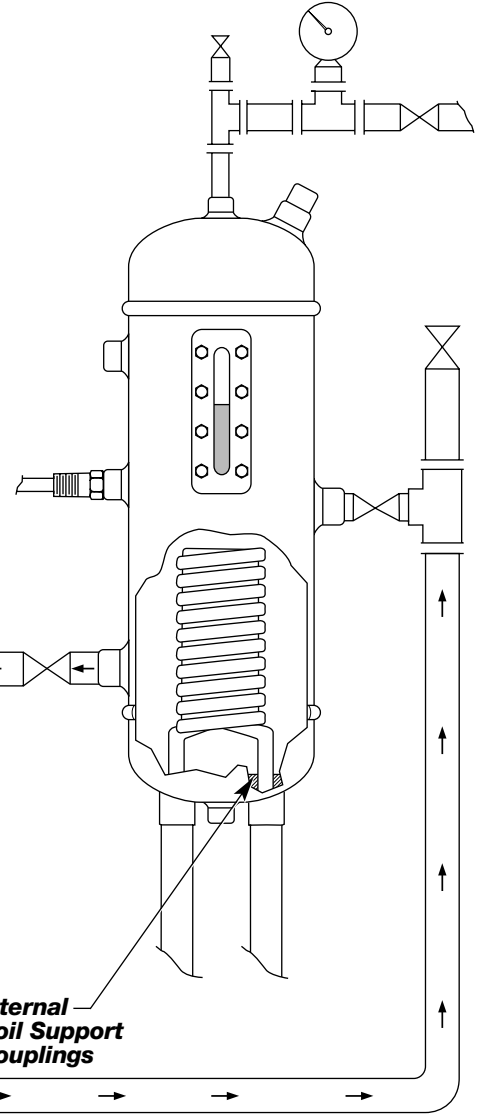
Compact Design addresses the headaches associated with tank height and overhead piping. Eliminate the common piping constraints that can prohibit ideal tank location in the installation process.



Advanced CHESTERTON Dual Seals feature high capacity internal pumping rings for efficient movement of barrier fluid.

CHESTERTON® SEAL SUPPORT TANKS

- **5 GALLON (19 L) TOTAL CAPACITY**
- **NON-CORROSIVE STAINLESS STEEL CONSTRUCTION**
AISI 304/EN 1.4301
- **OPERATING LIMITS**
350 psig (24 barg) @ 350°F (177°C)
- **5.5" VISIBLE LEVEL ARMOR WELD PAD GAUGE (OPTIONAL)**
Reflex Glass
304 Stainless Base
CS Cover (standard) - SS (optional)
B7 Zinc Plated Bolts (standard) - SS (optional)
- **304 SS COOLING COIL (OPTIONAL)**
- **ELLIPTICAL HEADS**
- **CROSS-FLOW SEAL CONNECTION DESIGN**
- **TANK NPT CONNECTIONS**
1/2" Seal Connections
1/2" Vent and Drain
1/2" Cooling Coil Connections
3/4" High/Low Level Connections
1" Fill Connection
Heavy Duty Tank Mounting Couplings, 1/2" - 13UNC



**Clockwise
Shaft Rotation**

Note: Piping arrangement depends on direction of shaft rotation. Follow seal instructions for correct installation.

CHESTERTON SEAL SUPPORT TANKS

DESCRIPTION	ITEM NUMBER
Support Tank	107126
Support Tank w/Weld Pad Level Gauge	107125
Support Tank w/Cooling Coil	107123
Support Tank w/Weld Pad Level Gauge and Cooling Coil	107124



MECHANICAL SEAL DIVISION

Middlesex Industrial Park, 225 Fallon Road
Stoneham, Massachusetts 02180-9101 USA
Telephone: 781-481-6446 Fax: 781-438-6594
www.chesterton.com

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