

Thermosiphon SP15 seal pot system

Reliability

Efficiency

Savings



The Sulzer Thermosiphon SP15 seal pot system for pressurized and unpressurized double mechanical seal arrangements.

The Sulzer Thermosiphon SP15 seal pot system integrates seamlessly with double mechanical seals (with internal pumping mechanisms). This closed-loop circulation ensures optimal lubrication, cooling, dry-running prevention, and extended seal lifetime. Compared to external flush arrangements, the SP15 also substantially reduces sealing liquid consumption.

Features and benefits

- Designed for pressurized and unpressurized double seal arrangements (similar to API 52 and 53, ANSI 7352, and 7353 plans)
- Suitable for water, glycol-water mixture, and white oil
- Competitive price
- Full stainless steel construction
- No separate stand
- More cooling surface than in competitors' equipment
- The stand of the pot also functions as a tank
- Easy and compact installation
- Complete sealing solution with Sulzer seal and Sulzer pot

Technical specifications

Pressure	max. 16 bar / 232 psi
Process temperature	max. 120°C / 248°F (air cooling) max. 170°C / 338°F (water cooling)
Sealing liquid temperature	from -20 up to 70°C / -4 up to 158°F
Nominal volume	15 l / 3.96 USgal
Material	AISI 304 stainless steel (EN 1.4301)

Compatible with any double mechanical seal with pumping feature.

Maximized seal life. Minimized costs.

Engineered for simplicity, robustness, and unwavering reliability, the Thermosiphon SP15 provides a comprehensive suite of features, including a range of optional enhancements, to precisely tailor the system to your unique seal flushing demands. This combination delivers unparalleled reliability while significantly reducing operating and maintenance costs.

Standard features

- Sulzer Thermosiphon SP15 reservoir with a volume of 15 liters / 3.96 US gallons
- Support foot / base
- Level indicator
- Pressure gauge
- Temperature gauge
- Hand valve
- Relief valve
- Hoses (3 m / 10 ft. long) with fittings
- Finned air cooling

Optional features

- ATEX approval
- Hand pump
- Pressure accumulator
- Level switches (top)
- Level switches (bottom)
- Pressure switch
- Breather
- Pressure transmitter
- Pressure reducing valve
- Multiple connections and fittings
- Winter package (-40°C / -40°F)
- Hard piping option
- Circulation pump
- Cooling coil
- Flow indicator

Pair the Thermosiphon SP15 with Sulzer's extensive portfolio of high-performance mechanical seals for industrial pumping and mixing equipment. This powerful combination delivers unparalleled reliability while significantly reducing operating and maintenance costs.



How can we help you?
Contact us today to find your best solution.

sulzer.com

E11036 en 3.2026, Copyright © Sulzer Ltd 2026

This brochure is a general product presentation. It does not provide a warranty or guarantee of any kind. Please contact us for a description of the warranties and guarantees offered with our products. Directions for use and safety will be given separately. All information herein is subject to change without notice.