

The Kytola® SLM Smart is a unique seal water flow meter with 4 – 20 mA output that protects your seal and reduces downtime. Significant savings are achieved in seal water and maintenance costs.

SLM Smart enables remote monitoring and autonomous processes.

See what you get. Visual flow and pressure reading with remote monitoring, all in one.



- Visual flow reading and verification through a transparent flow tube
- 4 – 20 mA output signal for remote monitoring
- No sensors in contact with the fluid
- Optimized to withstand contaminated seal water
- Reduced seal maintenance

ISO 9001 ISO 14001

SEAL WATER FLOW METER **SLM Smart** with 4 – 20 mA output

FEATURES

Local and remote monitoring,
4 – 20 mA output

Clog resistant flow adjustment valve

Built-in cleaner (does not interfere
with operation)

SLM SMART APPLICATIONS

Single and double mechanical seals

Gland packings

Flush water

Purging

Other flow measurements

Autonomous processes and
production plants

SLM Smart: An authentic Seal Water Flow Meter with 4 – 20 mA output for remote monitoring and

Most pumps, agitators, refiners, screens etc. with rotating shaft seals require an uninterrupted sealing water flow to ensure proper function of the seal.

The purpose of seal water is to:

- Cool the seal
- Lubricate the seal
- Prevent the process media from entering the seal chamber
- Reduce the number of seal failures by continuous monitoring of seal water flow and pressure.

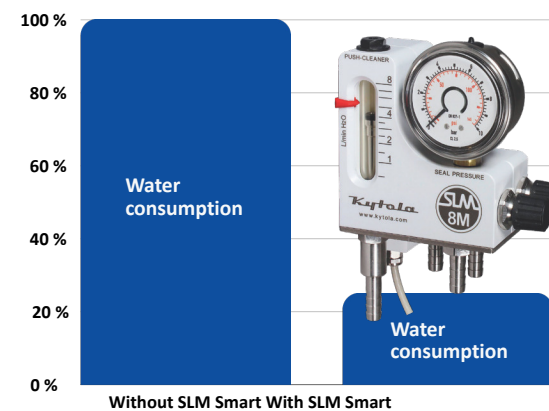
Secured monitoring for autonomous processes and production plants

SLM Smart comes with a reliable measurement with no sensors in contact with the fluid. See what you get, a double verification of flow rate by a clear visual flow reading through the flow tube and a 4 – 20 mA signal to upper-level automation and control systems.



KYTOLA SLM SMART Seal water flow meter

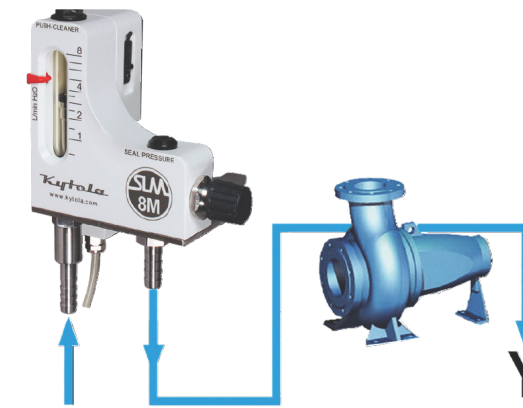
**saves up to 80% in
water consumption**



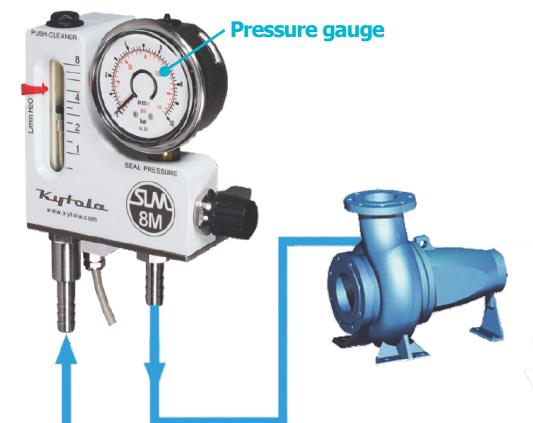
Stop pouring money into the drain

By optimizing the seal water flow it is possible to reduce seal water consumption up to 80%. It's easy to achieve significant savings in water and energy costs.

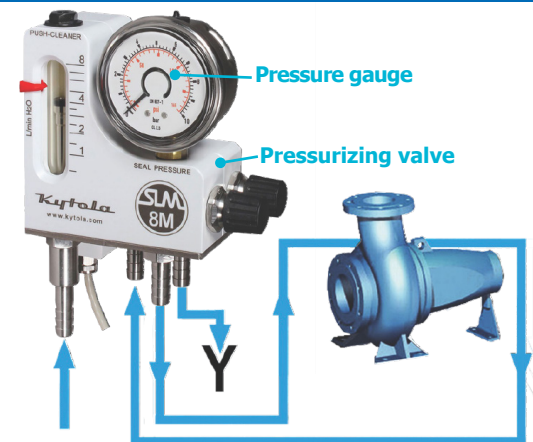
QUENCH SEALS SLM Smart



SINGLE SEALS AND PACKINGS SLM Smart with pressure gauge



DOUBLE MECHANICAL SEALS SLM Smart with pressure gauge and pressurizing valve



| SLM Smart | SLM | M | |
|--|-----|-------------|---|
| Range Code | | | |
| Flow Rate | | | |
| 0.025 – 0.4 L/min | 04 | | |
| 0.05 – 1 L/min | 1 | | |
| 0.1 – 3 L/min | 3 | | |
| 0.5 – 8.0 L/min | 8 | | |
| 1 – 13 L/min | 13 | | |
| 0.25 – 6 USGPH | 6 | | |
| 1 – 15 USGPH | 15 | | |
| 2 – 50 USGPH | 50 | | |
| 0.1 – 2 USGPM | 2 | | |
| 0.25 – 3.5 USGPM | 35 | | |
| 4–20 mA output of flow rate | | | |
| Optional Accessories | | | |
| Pressure gauge 0 – 145 psi (0 – 10 bar) | | | G |
| Pressure gauge 0 – 360 psi (0 – 25 bar) | | | E |
| Pressure gauge 0 – 145 psi (0 – 10 bar), 4 – 20 mA output | | | 1 |
| Pressure gauge 0 – 360 psi (0 – 25 bar), 4 – 20 mA output | | | 3 |
| Borosilicate glass flow tube (instead of standard PSU) | | | L |
| Pressurizing valve | | | P |
| Floor mounting stand | | | S |
| Connectors | | | |
| 3/8" (10 mm) hose barb connectors, standard | | leave blank | |
| 3/8" (10 mm) straight tube connectors for compression fittings | | | R |
| 3/8" (10 mm) straight tube connectors for compression fittings | | | N |
| Other connection choices available on request | | | |

Example: SLM3M-1P (= Flow rate 0.1 – 3 L/min, 4–20 mA output of flow rate, pressure gauge 0 – 145 psi (0 – 10 bar) with 4–20 mA output, pressurizing valve, 13/8" (10 mm) hose barb connectors)

Let's make your processes Kytola Smart!

- **Precision and Accuracy** Ensure optimal process control and efficiency
- **Industrial Autonomy** Seamlessly integrates with automated systems for autonomous operations
- **Enhanced Safety** Real-time data monitoring to prevent downtime and improve runnability
- **Durability and Reliability** Built to last in the toughest industrial conditions, with minimal maintenance

Model SLM Smart

| | |
|------------------|---|
| Body material | POM |
| Flow tube | PSU (optional borosilicate glass tube, code "L") |
| Metallic parts | AISI 316 |
| O-ring seals | Viton® |
| Max. pressure | 290 psi (20 bar) |
| Max. temperature | 212°F (100°C) |
| Connectors | 3/8" (10 mm) hose barb connectors |
| Weight | 2,9 lbs incl. package, pressure gauge, pressurizing valve |

mA transmitter VA Smart

| | |
|---------------------|------------------------|
| Power supply | 24 VDC / 0.1 A |
| Output | 4- 20 mA, 3-wire |
| Enclosure | Polyamide |
| Ambient temperature | 32...+175oF (0...80oC) |
| Protection class | IP65 |
| Cable length | 6.56" (2 m) |

