



SEALING LIQUID MONITOR | SLM, SLMx-2

- ▶ Reliable operation
- ▶ Solid construction
- ▶ Reduced seal maintenance
- ▶ Built-in cleaner does not interfere with operation
- ▶ Excellent corrosion and heat resistance
- ▶ All models are alarm-ready
- ▶ Clear metering scale

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

The purpose of sealing water is to:

- Cool the seal
- Lubricate the seal
- Prevent the process media from entering the seal chamber

Also the seal condition can be determined by proper monitoring of the sealing water flow and pressure.

The KYTOLA® Sealing Liquid Monitor Model SLM protects your seal and reduces downtime. Significant savings are achieved in maintenance and seal water costs.

FEATURES

Clog resistant flow control valve

Built-in tube cleaner

Hose barb connectors

Alternative connectors on request

Mounting bracket

SLM APPLICATIONS

Single and double mechanical seals

Gland packings

Flush water

Purging

Other flow measurement

SLMx-2 APPLICATIONS

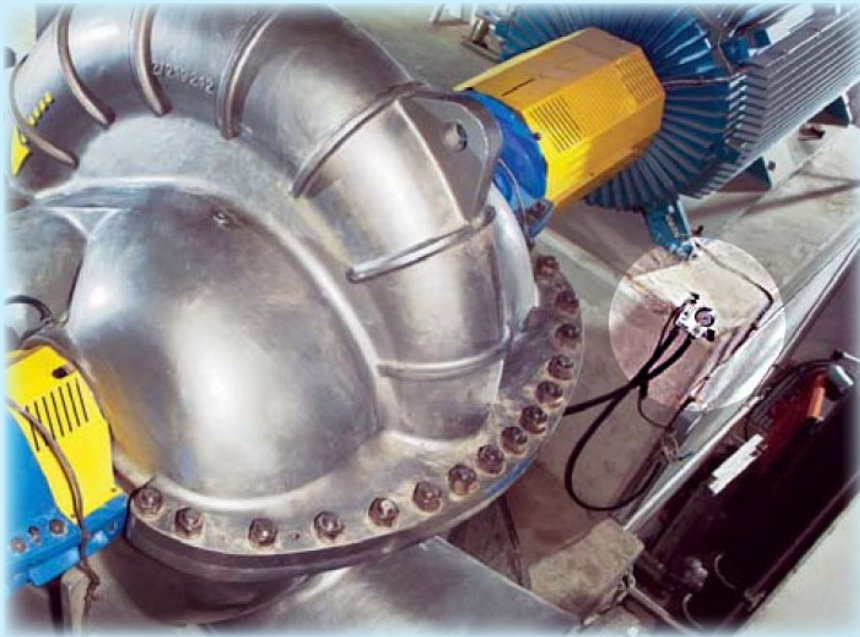
Double mechanical seals

SLM Sealing Liquid Monitor

Reduce Water Consumption and Increase Life of Seal

Proper adjustment of seal water flow and pressure will result in water and energy savings.

Adequate cooling and lubrication are essential for any kind of seal. The Kytola SLM Sealing Liquid Monitor has been especially designed for applications on pumps and mechanical seals where uninterrupted seal water flow is required.



Easy Maintenance Reduces Down Time

The built-in cleaner is designed not to interfere with operation. It effectively removes built-up contaminants.

The long, clear metering scale guarantees visibility and easy inspection of flow level.

Photos: Applications of KYTOLA SLM Sealing Liquid Monitors

Innovative Design Offers Durability and Flexibility

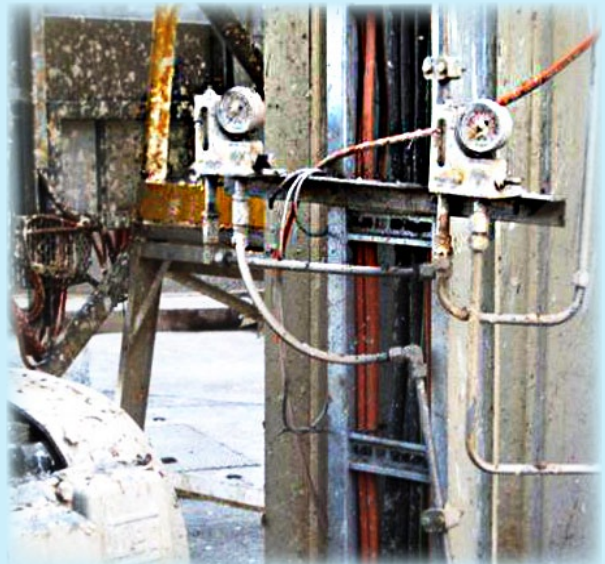
The various sealing liquid monitor models guarantee compatibility with all seal types.

The strong and compact design ensures maximum resistance to external impact.

The SLM has been specially optimized to withstand contaminated water.

Reliable and accurate flow measurement is based on a variable area metering principle using a free-floating float.

The sealing liquid monitor can also be easily equipped with an alarm output by utilizing an inductive proximity sensor.



QUENCH SEALS

SLM



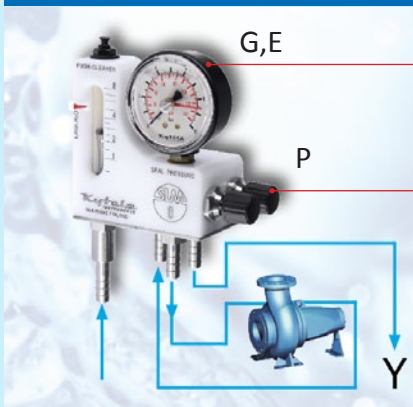
SINGLE SEALS AND PACKINGS

SLM with Pressure Gauge



DOUBLE MECHANICAL SEALS

SLM with Pressure Gauge and Pressurizing Valve



DOUBLE MECHANICAL SEALS

Dual SLM with Pressure Gauge



SLM with local alarm light also available

SLM - - -

Range Code	Flow Rate	Adjustable Alarm Range		
0.025 – 0.4	L/min	0.03 – 0.25	L/min	0.4
0.05 – 1	L/min	0.1 – 0.55	L/min	1
0.1 – 3	L/min	0.4 – 2	L/min	3
0.5 – 8.0	L/min	1 – 5	L/min	8
1 – 13	L/min	2 – 9	L/min	13
0.25 – 6	USGPH	0.5 – 4	USGPH	6
1 – 15	USGPH	1.5 – 9	USGPH	15
2 – 50	USGPH	6 – 35	USGPH	50
0.1 – 2	USGPM	0.25 – 1.2	USGPM	2
0.25 – 3.5	USGPM	0.5 – 2.5	USGPM	35

Optional Accessories

Inductive prox. sensor 20 – 250 VAC/DC (ILK-M18-AB)	A
Inductive prox. sensor 10 – 55 VDC (ILK-M18-FR)	F
Intrinsically safe NAMUR sensor, 10 mm range (ILK-M18-N-10)	I
Pressure gauge 0 – 10 bar	G
Pressure gauge 0 – 25 bar	E
Optional PVDF body (with borosilicate glass flow tube)	K
Optional borosilicate glass tube (instead of standard PSU)	L
Pressurizing valve	P
Floor mounting stand	S

Connectors

10 mm hose barb connectors	
10 mm straight tube connectors for compression fittings	R
3/8" straight tube connectors for compression fittings	N
<i>Other connection choices available on request</i>	

Example: SLM3-AGP-R

SLM -2- -

Range Code	Flow Rate	Adjustable Alarm Range		
0.05 – 1	L/min	0.1 – 0.55	L/min	1
0.1 – 3	L/min	0.4 – 2	L/min	3
0.5 – 8	L/min	1 – 5	L/min	8
1 – 15	USGPH	1.5 – 9	USGPH	15
2 – 50	USGPH	6 – 35	USGPH	50
0.1 – 2.0	USGPM	0.25 – 1.2	USGPM	2

Optional Accessories

Inductive prox. sensor 20–250 VAC/DC (ILK-M18-AB)	A
Two inductive prox. sensors 20–250 VAC/DC (ILK-M18-AB)	AA
Inductive prox. sensor 10 – 55 VDC (ILK-M18-FR)	F
Two inductive prox. sensors 10 – 55 VDC (ILK-M18-FR)	FF
Intrinsically safe NAMUR sensor, 10 mm range (ILK-M18-N-10)	I
Two intrins. safe NAMUR sensors, 10 mm range (ILK-M18-N-10)	II
Pressure gauge 0 – 10 bar	G
Pressure gauge 0 – 25 bar	E
Optional PVDF body (with borosilicate glass flow tube)	K
Optional borosilicate glass flow tube (instead of standard PSU)	L
Floor mounting stand	S

Connectors

10 mm hose barb connectors	
10 mm straight tube connectors for compression fittings	R
3/8" straight tube connectors for compression fittings	N
<i>Other connection choices available on request</i>	

Example: SLM8-2-AAG-N

Model	SLM	SLMx-2
Body material	POM	
Flow tube	PSU (Borosilicate glass optional material, code L)	
Metallic parts	AISI 316, float AISI 329	
O-ring seals	Viton®	
Max. pressure	20 bar	
Max. temperature	100°C	
Connectors	10 mm hose barb connectors	
Weight (incl. package)	1.2 kg	2.4 kg

