AUXILIARY SYSTEMS
LATTYlub RANGE

Designer of industrial sealing solutions

GROUPE LATTY®

LATTYlub RANGE

SOLUTIONS THAT PROTECT YOUR ENVIRONMENT

Our environmentally friendly LATTYlub range is designed to help you:

- **reduce your water and energy consumption**
- **optimise the service life of your equipment**

Our range of auxiliary systems simultaneously maintain the mechanical seals under pressure and thermoregulate the barrier fluid.

Our technical teams can install and maintain the equipment on your site.

Our LATTYlub range is pre-tested and validated in the factory, ensuring safe commissioning.

APPROVALS

Our LATTYlub range meets the most demanding service conditions thanks to our **FDA, ATEX and DESP** solutions (on request).

EQUIPMENT

- Pumps
- Mixers
- Stirrers
- Drying filters

INDUSTRIES

- Agrifood
- Petrochemicals
- Pharmaceuticals
- Chemicals
- Sugar
- Paper
- Power plants

CONTENTS

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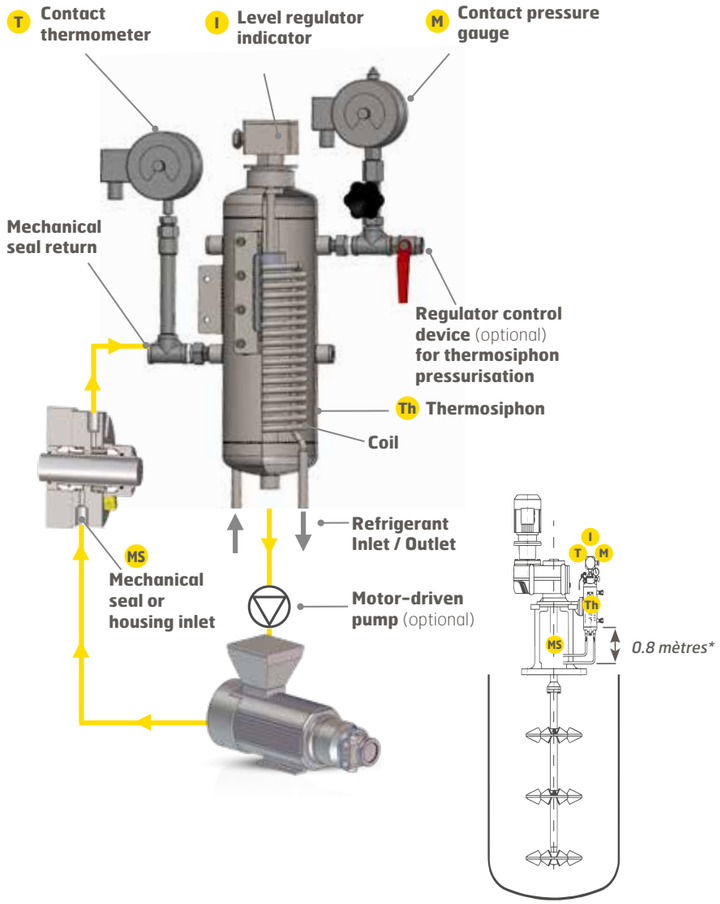
LUBRICATION TANK
LATTYlub Pot

OPERATING PRINCIPLE



** Recommended height to ensure fluid circulation in the mechanical seal*

The LATTYlub Pot range allows you to regulate and control the temperature of your sealing systems and improve the service life of your equipment.

You can therefore optimise maintenance time between jobs and ensure that your staff and equipment are protected, as well as the environment.

ADVANTAGES

- Ready to use
- Water saving
- Suitable for harsh environments
- Optimises the service life of sealing systems

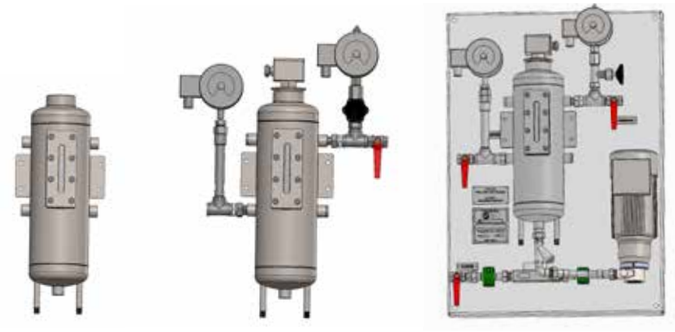
- Maintains fluid level and pressure in the sealing circuit
- Optimises maintenance time between jobs
- Solutions for API plans

LATTYlub Pot VARIATIONS

1 **Thermosiphon only**, without instrumentation for delta Lub pot/gasket height 0.8 m

2 **Lubrication kit** with possible combination without motor-driven pump: thermosiphon, contact thermometer, contact pressure gauge and level regulator, etc.

3 **Lubrication unit (GDL)**
Lubrication kit with motor-driven pump. Option to add components. The whole unit is installed on a ready-to-use stainless steel plate.



INSTALLATION OPTIONS

LATTYlub Pot
Version without coil

Capacity: 6 Litres
Max. pressure: 25 bar
Connections in ½ and ¼ G

LATTYlub Thermo Pot
Version with coil

Capacity: 6 Litres
Max. pressure: 25 bar
Connections in ½ and ¼ G

Other volume/pressure versions available (on request)

LATTYlub clean Thermo Pot
Cleanable version with coil

NEW

Capacity: 6 Litres
Max. pressure: 8 bar
Connections in ½ and ¼ G
Clamp system for easy dismantling

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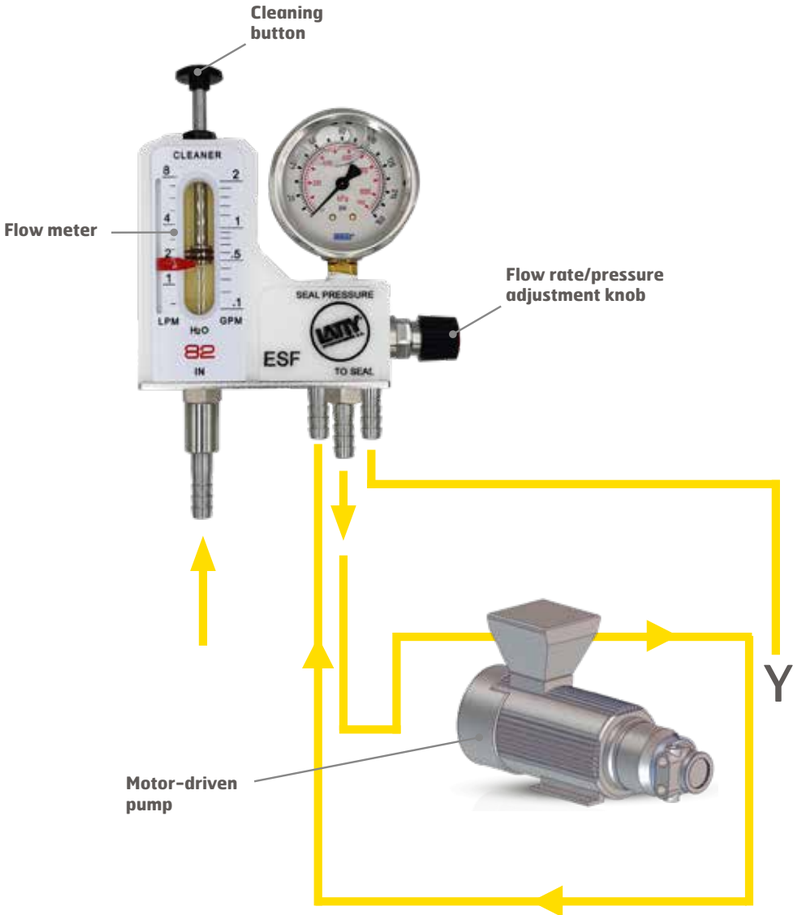
FLOW MONITOR
LATTYlub Flowcontrol

OPERATING PRINCIPLE



The flow monitor is designed for applications where an uninterrupted flow of water is required for cooling and lubricating sealing systems.

ADVANTAGES

- Visual flow indicator
- Optimised water consumption
- Detects and locates problems in sealing systems and pipes

- Controls and monitors water flow and pressure
- Simplifies mechanical seal operation
- Optional alarms possible
- Excellent corrosion and heat resistance

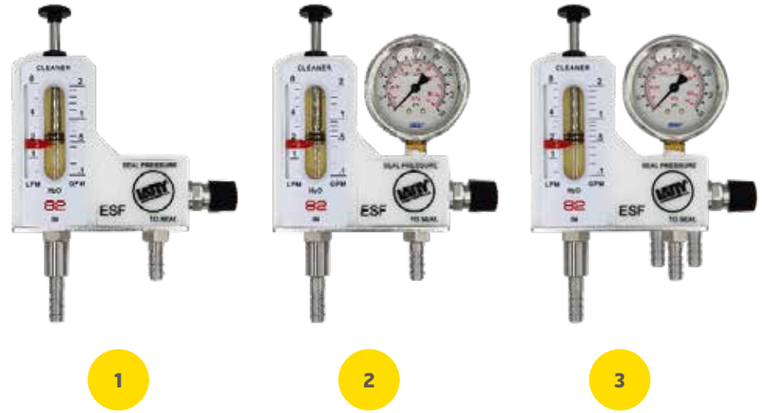
LATTYLUB FLOWCONTROL MODELS

1 **LATTYlub Flowcontrol 1**
Controls flow

2 **LATTYlub Flowcontrol 2**
Controls flow and indicates pressure

3 **LATTYlub Flowcontrol 3**
Controls flow and pressure

LATTYlub Flowcontrols are available in stainless steel on request.



TECHNICAL SPECIFICATIONS

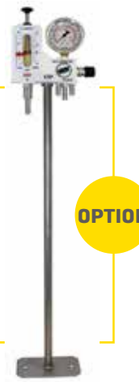
Flow range:
0 - 1 L/min
0 - 8 L/min
0 - 13 L/min
All these flow rates are standard

Pressure range:
Standard: 0-10 bar
Optional: 0-25 bar

Temperature range:
Standard: 100 °C
Stainless steel version: 130 °C

Composition:
Body: Polyamide
Tube: Plexiglas
Metal parts: 316L stainless steel
O-rings: Viton®
Standard connection: 10 mm (other on request)
Weight: 1.2 kg

Flow regulator stand
Makes visual access easier for operators when the flow regulator cannot be installed nearby.



OPTION

3

CONTROLS AND REGULATES TEMPERATURE
LATTYlub Thermoflow

OPERATING PRINCIPLE

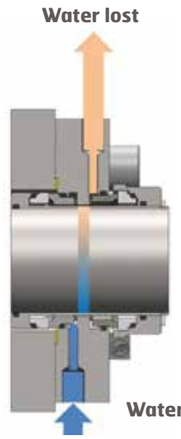
LATTYlub Thermoflow is installed on the mechanical seal's sealing fluid outlet to continuously maintain an optimum quantity of fluid outside the faces.

By allowing the fluid to be renewed when the temperature becomes too high, consumption of the fluid required for cooling can be drastically reduced.

ADVANTAGES

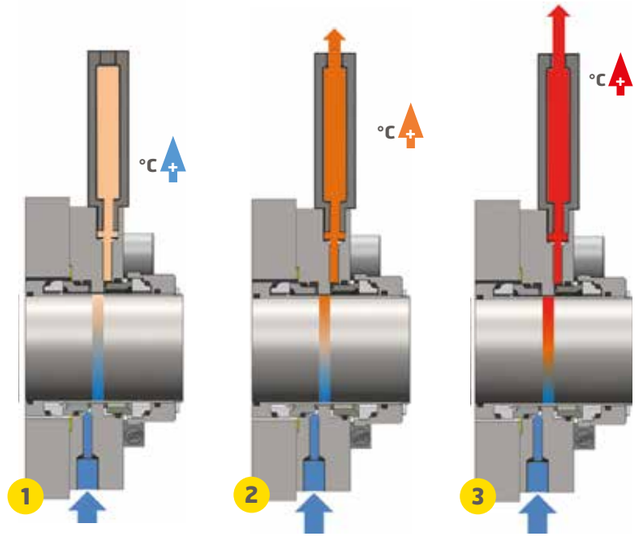
- Significantly reduces the water consumption of mechanical seals
- 100% mechanical system
- Reduces operating costs

- The system is not impacted by pressure variations
- Easy to install



WITHOUT LATTYlub Thermoflow :
Water lost from system!

The temperature between the friction faces and the loss of water are not controlled.



WITH LATTYlub Thermoflow :
Reduced loss, controlled flow!

1 The trigger temperature is not reached, the LATTYlub Thermoflow **remains closed.**

2 When the trigger temperature is reached, the LATTYlub Thermoflow **opens slightly** to regulate the temperature of the fluid between the friction faces

3 When the full opening temperature is reached, the LATTYlub Thermoflow **opens fully** to rapidly reduce the temperature of the fluid between the friction faces.

TECHNICAL SPECIFICATIONS

Thermostatic actuator preset to the chosen temperature

Opening/closure operating temperature difference of approximately 6 °C

Composition:
- Body, fittings and movement in 316L grade stainless steel with NBR seals
- Connection: 1/4" G NPT
- Diameter D: 28 mm
- Length L: 91 mm
- Weight: 0.3 kg
- Maximum operating pressure: 27.5 bar
- Maximum operating temperature: 120 °C

Trigger temperature	Full opening temperature
17,5°C	24°C
23,5°C	30°C
28,5°C	35°C
33,5°C	40°C
48,5°C	55°C
53,5°C	60°C
59°C	65,5°C
73,5°C	80°C

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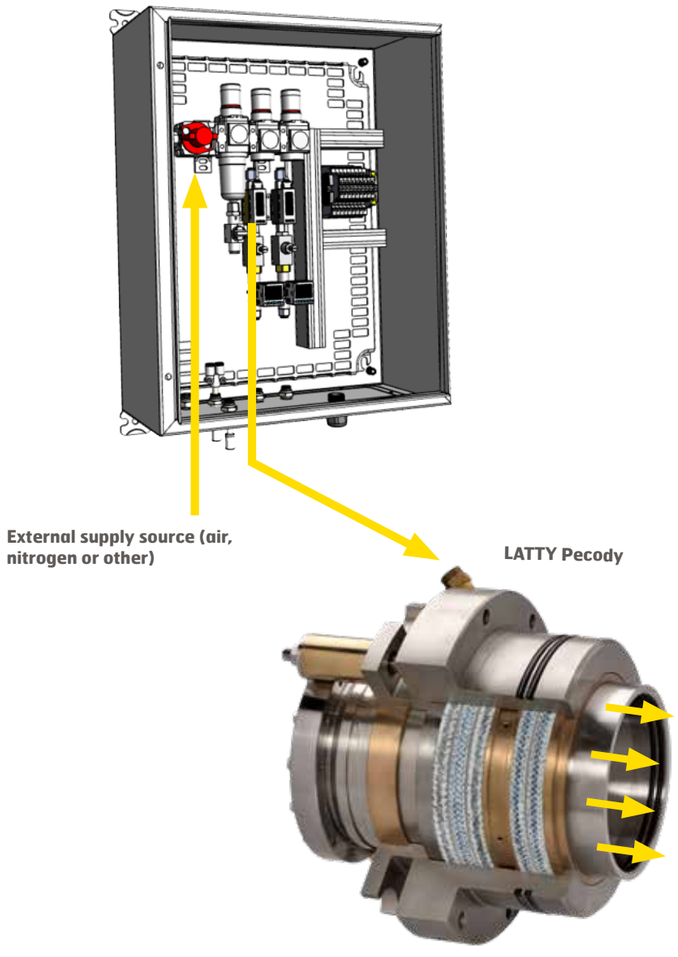
CONTROLLER-REGULATOR
LATTYlub Gascontrol

OPERATING PRINCIPLE



The controller-regulator device (DCR) is a supply system for seals requiring a gas supply.

Its cooling action maintains the integrity of the system and the gaseous barrier generated prevents product emissions into the atmosphere.

ADVANTAGES

- Helps with preventive maintenance
- Optimises air, nitrogen and other flows

- Allows real-time monitoring of the efficiency of the system it supplies
- Protects equipment from the risk of damage to the seal in place

LATTYLUB GASCONTROL MODULES

Modular DCR kit
1. LATTYlub Single Gascontrol
2. LATTYlub Multi Gascontrol

Channel ATEX DCR kit
3. LATTYlub Gascontrol ATEX

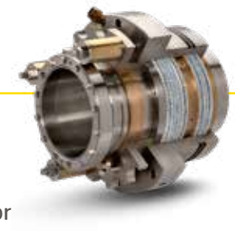
1 2 3

TECHNICAL SPECIFICATIONS

- Pressure range 0-50 bar
- Flow rate range 0-10 L/min

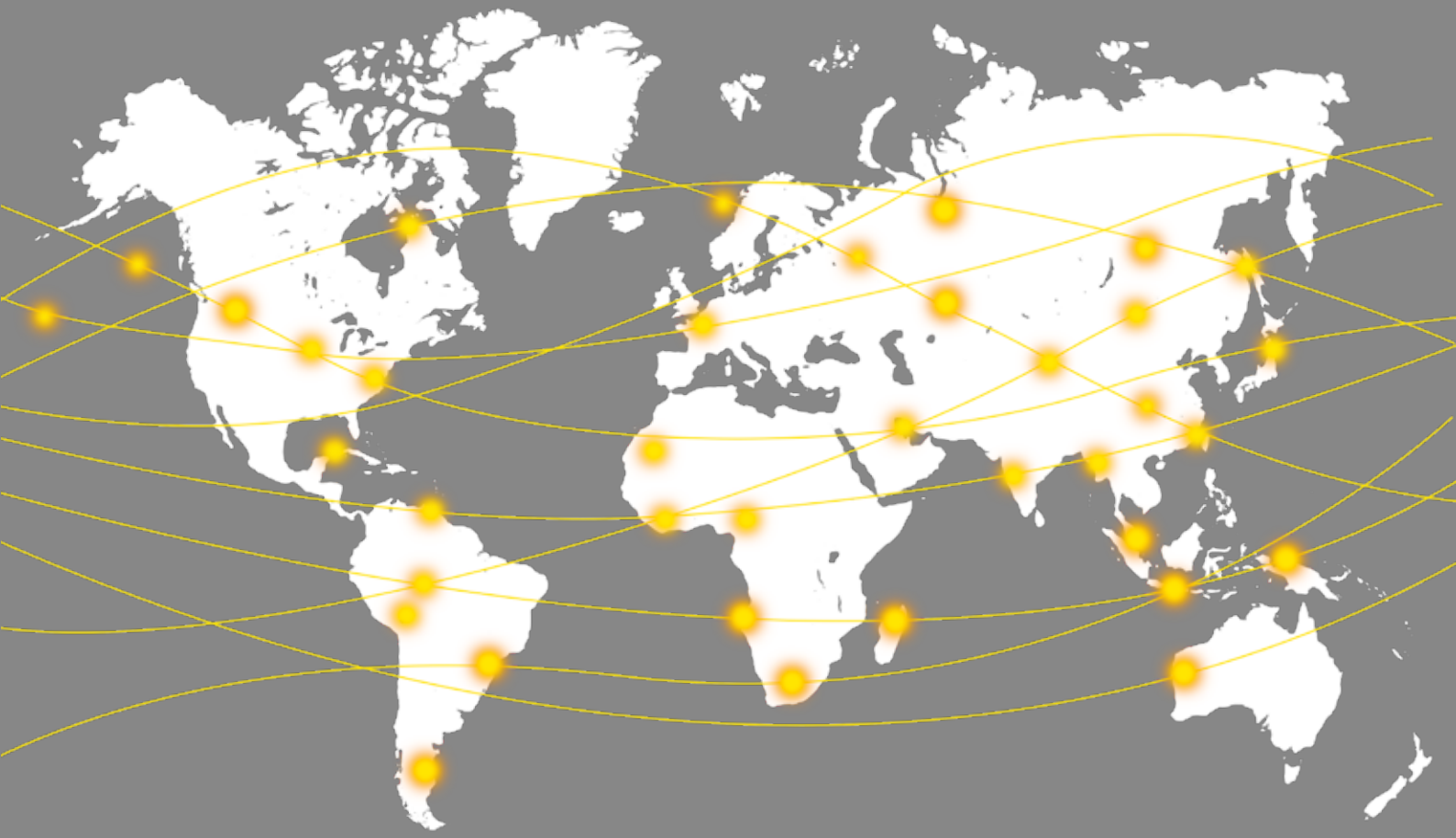
Filtration range: 5 to 10 µm

Directives:
- DESP
- ATEX



LATTY PECODY

This system is generally recommended for supplying LATTY PECODY systems. It can also be used for any system requiring a regulated and controlled supply of air, nitrogen or other gas.



The GROUPE LATTY subsidiaries and service centres worldwide are at your disposal to respond to your requests.
All of our contact details can be found on our website.

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