



# Sealing Solutions for Industrial Valves



TS / TRESSSES / JOINTS / GARNITURES MECANIKES / RACCORDS TO  
PACKUNGEN / FLACHDICHTUNGEN / Gleitringdichtungen / DR  
UNIONS / PACKINGS / JOINTINGS / MECHANICAL SEALS / ROTARY U  
ATIVAS / EMPAQUE ADURAS / JUNTAS / CIERRES MECANICOS / JUNT  
RNITURES MECANIKES / RACCORDS TOURNANTS / TRESSSES / JOI  
HTUNGEN / Gleitringdichtungen / DREHDURCHFÜHRUNG / PACKU

*Designer for industrial sealing solutions*

**GROUPE  
LATTY®**



## 95 years of experience in sealing solutions

A reference in the industrial sealing sector, GROUPE LATTY owes its leadership to its willingness to invest in R&D in order to develop products to meet specific industrial valve and fitting requirements. We design and manufacture products that comply with the most demanding industrial requirements.

## GROUPE LATTY is present in the following sectors...

- Petrochemicals
- Energy
- Chemicals
- Pharmaceuticals
- Cryogenics
- Food processing

## and offers:

- Complete solutions suitable for each type of valve
- Ranges of standard or specific products
- Research and testing laboratory
- Achieving approval of your valves
- Trainings adapted to your needs
- A French product, guarantee of quality



## TRAININGS



### A well-trained employee is more skilful and efficient!

Training modules are more specifically dedicated to the selection of sealing solutions for industrial valves and are specifically oriented towards the implementation and good practices in the fitting of stuffing boxes and static seals, guarantee of security for your teams and the reliability of your equipment. Every year, we organize a number of multilingual training sessions. The training sessions are adapted to your materials and usage constraints. We are approved training organization.

## MATERIAL APPROVALS



### Tested solutions on your equipments.

Our test and measurement laboratories specializing in valves and fittings, covering an area of over 500 sq. m., allow us to test sealing solutions on your own equipment under optimum conditions, i.e.:

- Temperature: - 196°C to + 650°C
- Pressure: vacuum to 650 bar for gas applications or 0 to 700 bar for water applications

Our equipment complies with the existing regulations relative to fugitive emissions, fire and oxygen tests.

To date, we have performed over 100 certifications with validation by certified organizations, on equipment such as

- Control valves,
- On/off valves,
- Valves in dimensions 1" to 10" and in pressure classes ranging from 150 lbs (20 bar) to 2,500 lbs (420 bar)

## APPROVALS

Our different ranges of products comply with the following certifications, directives and standards:



# A UNIQUE SOLUTION FOR EACH VALVE



**BA BALL VALVES**

**BU BUTTERFLY VALVES**

**GL GLOBE VALVES**

**GA GATE VALVES**

**GA**

**1**

## Closed or split rings



- Expanded graphite packing rings
- Temperature variations from  $-200^{\circ}\text{C}$  to  $+650^{\circ}\text{C}$ .
- Contains a corrosion inhibitor
- May be subjected to pressures ranging from vacuum to 1,000 bar
- To optimise intervention time



**GA**

**2**

## Bi-component rings



- Rings consisting of an expanded graphite ring with compressed braided rings at both ends
- The resulting assembly provides perfect sealing efficiency up to 1,000 bar



**BA/GL/BU**

**3**

## LATTYpack Valve



- Packing consisting of expanded graphite rings and preformed anti-extrusion rings
- Contains a corrosion inhibitor
- Withstands very significant temperature or pressure variations ( $450^{\circ}\text{C}/450\text{ bar}$ )
- Approvals ISO 15848-1, API 622, 625 and PMUC



**BA/GL**

**4**

## LATTYpack Control



- Packing consisting of preformed PTFE/carbon or expanded graphite rings and anti-extrusion rings
- Provides outstanding sealing efficiency under low clamping force
- Very low friction coefficient and very good elastic recovery
- Intended primarily for control valves
- Approvals ISO 15848-1 and PMUC



**GA**

**5**

## LATTYpack Oil



- Packing consisting of expanded graphite rings and anti-extrusion rings
- Contains a corrosion inhibitor
- Withstands very significant temperature or pressure variations ( $450^{\circ}\text{C}/450\text{ bar}$ )
- Approvals ISO 15848-1 and API 622, 624, 589

**GA**

**6**

## Autoclave rings



- Preformed expanded graphite rings with or without stainless steel cups (anti-extrusion)
- Suitable for high pressures
- Dimensions to suit the configuration of the valve body: conical or cylindrical profiles
- Diameters from 60 mm (PN 250 bar) to 1000 mm (PN 160 bar)



**BA/GL/BU**

**7**

## Expanded graphite rings



- Manufactured from 2 mm up to 900 mm.
- Dimensions or forms adapted to your needs for static sealing : valve bodies/bonnets, flanges, ...
- Use even on damaged or deformed flanges



**BU**

**8**

## LATTYgraf S



- Gasket specially designed to seal triple-offset butterfly valves
- Consists of high-purity graphite sheet material and steel reinforcement
- Withstands very significant temperature variations ( $-200^{\circ}\text{C} / +450^{\circ}\text{C}$ )



**BA/BU**

**9**

## LATTYgraf EFMC@



- Multi-layer expanded graphite sheet
- Easy-to-cut design
- Used in high pressure, high-temperature applications







BA

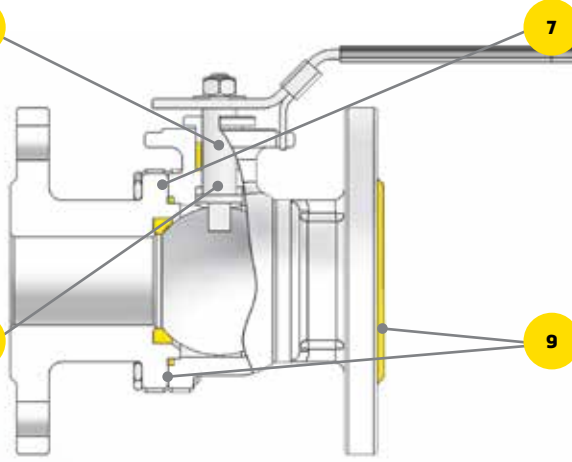
## BALL VALVES



3



4



3-LATTYpack Valve

4-LATTYpack Control

7-Expanded graphite rings

9-LATTYgraf EFMC@

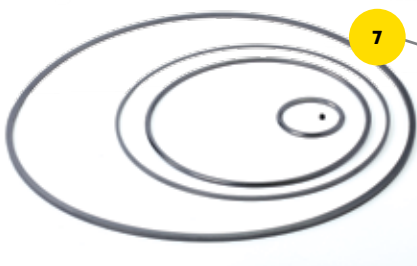


GL

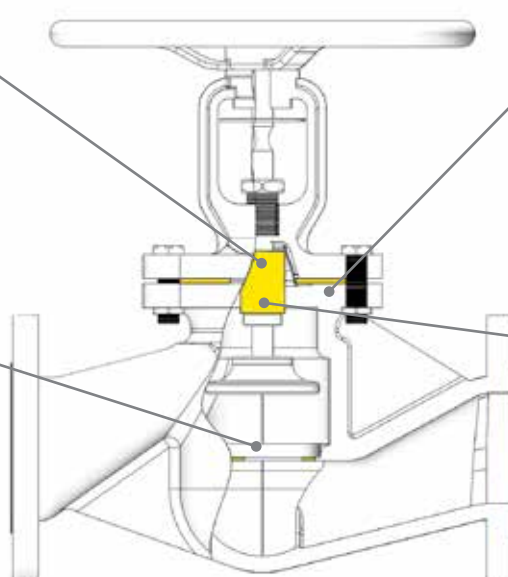
## GLOBE VALVES



3



7



3-LATTYpack Valve

4-LATTYpack Control

7-Expanded graphite rings



GA

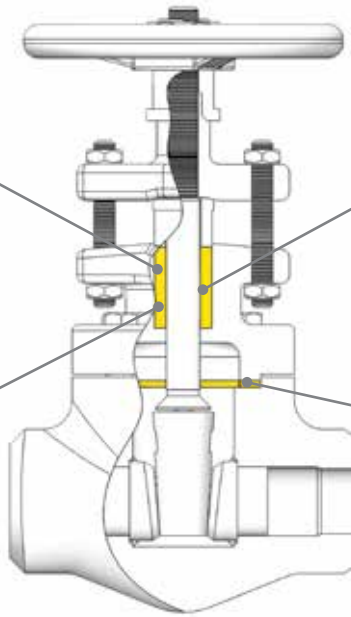
## GATE VALVES



1



5



2



6



1-Rings closed or split

2-Bi-component rings

5-LATTYpack Oil

6-Autoclave rings



BU

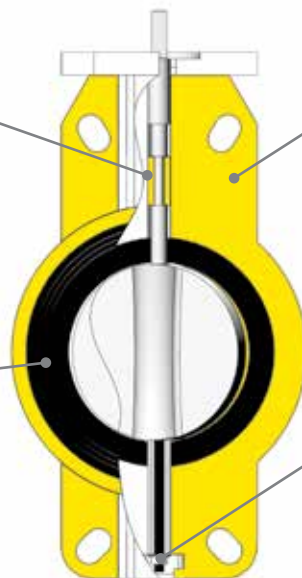
## BUTTERFLY VALVES



3



8



9



7



3-LATTYpack Valve

7-Expanded graphite rings

8-LATTYgraf S

9-LATTYgraf EFMC@



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**Sealing Solutions  
for Industrial Valves**

**\*Subsidiaries with workshop for mechanical seals repair and repackaging**



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