



# LOW EMISSION SEALING FOR VALVES

# LATTYPACK OIL



TS / TRESSSES / JOINTS / GARNITURES MECANQUES / PACINGS / VERBODEN  
PACKUNGEN / FLACHDICHTUNGEN / GLEITRINGDICHTUNGEN / VERBODEN  
UNIONS / PACKINGS / JOINTINGS / MECHANICAL SEALS / VERBODEN  
RINTELLI / GARNITURES MECANQUES / PACINGS / VERBODEN  
HTUNGEN / GLEITRINGDICHTUNGEN / DREHFLANSCHEN / VERBODEN

*Designer for industrial sealing solutions*



# GUARANTEED LOW FUGITIVE EMISSIONS

## LATTYPACK OIL



RINGS OR KIT SET,  
READY TO USE



**A performance warranty for a large number of industrial valves and fittings manufacturers.**

LATTYpack OIL is a packing for stuffing boxes, consisting of die formed expanded graphite rings and anti-extrusion rings which provide outstanding sealing efficiency under low clamping force, a very low friction coefficient and excellent elastic recovery.

- **Contains a corrosion inhibitor for unlimited stuffing-box protection**
- **Rings/ kit set at your own equipment dimension**
- **The lowest friction coefficient available today.**

**Application:** Hydrocarbon, steam, VOC (Volatile Organic Compounds), VHAP (Volatile Hazardous Air Pollutants)



### Parameters (not associated)

Temperature (Valve in-line): 450°C or 850°F (oxydising atmosphere) / 650°C or 1200°F (non oxydising)  
Pressure: 450 bar  
pH : 0-14



PACKING ROLL  
FAST MAINTENANCE



**For a fast and easy maintenance with Low emission performance**

Packing made of expanded graphite with inonel reinforcement with a graphite mix and doped with a friction enhanced agent. The maintenance can be performed by the operator himself from a packing roll cut to the required dimension.

- **Contains passive corrosion inhibitors that provide unlimited stem protection**
- **In compliance with the leak detection and repair method - LDAR method**
- **Maximum stock holding reduction with only one grade of packing required across the site.**

### Parameters (not associated)

Temperature (Valve in-line): 450°C or 850°F (oxydising atmosphere) / 650°C or 1200°F (non oxydising)  
Pressure: 450 bar  
pH : 0-14

Reference	Square en mm	Weight
900032127	4,0	1 kg
900032128	5,0	1 kg
900032129	6,0	1 kg
900032130	6,3	1 kg
900032131	8,0	3 kg
900032132	9,5	3 kg
900032133	10,0	3 kg
900032134	11,0	3 kg
900032135	12,0	3 kg
900032136	12,7	3 kg
900032137	14,0	5 kg

Other dimensions on request

**Application:** Hydrocarbon, steam, VOC (Volatile Organic Compounds), VHAP (Volatile Hazardous Air Pollutants)



# LATTYPACK OIL API 622 3<sup>RD</sup> EDITION APPROVED

## API STANDARD 622 CONSISTS OF THE FOLLOWING:

- 2 leak tests with methane on 1/4" and 1/8" packing square sections. Pressure 41.4 bar/600 PSI with temperature cycling up to 260°C/500F. endurance 1,510 cycles

### WITHOUT RETIGHTENING

- chemical analyses & weight loss test
- 2 Galvanic corrosion tests are performed at high as well as at room temperature.

Testing conduct in fixture in a laboratory.



## SIGNIFICANT REDUCTION IN OPERATING COSTS

LATTYpack OIL is the assurance of obtaining:

- **0% of corrosion to the stems**
- **Low emissions performance at 6000 PSI/40 MPa stress only**
- **Friction reduced by 30%**

## API 624 LEAK RATE < 2,7 PPMV

Leak test performed with a 20" valve, Class 150, **WITHOUT RETIGHTENING**

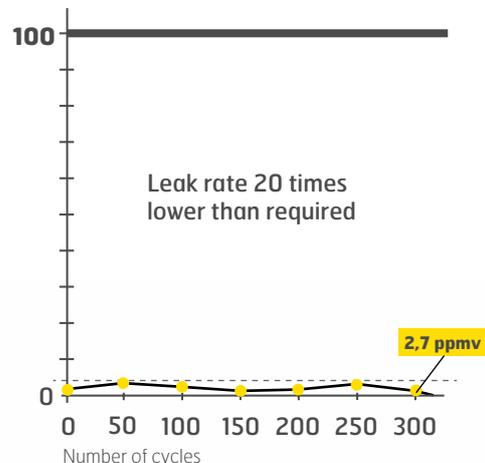
LOWEST COST AND ENVIRONMENTALLY FRIENDLY FOR ALL TYPES OF VALVES.

Following the completion of leak tests to meet API 624, the performance of LATTYpack OIL ensures low VOC emissions for both small and larger-size valves.

After completing 310 cycles with a 20" valve, the leaks had reached a maximum of 2,7 PPMv although the standard allows a maximum leak of 100 PPMv.

- **Lowest total cost of ownership**
- **Test performed without retightening**
- **Maintenance FREE**

Leakage rate (PPMv)



- 310 opening/closing cycles
- 3 thermal cycles at room temperature and at high temperature

# LOW-EMISSION SEALING SOLUTIONS

## LATTYPACK OIL

INNOVATIVE, ENVIRONMENTAL FRIENDLY AND COST EFFECTIVE

GROUP LATTY via its R&D department is able to satisfy any new requirements and keep pace with changing standard, directives and specifications.

### APPROVALS LATTYPACK OIL



Fugitive emissions

API 622 2018, 3rd edition

**Compliant:**

API 624,  
API 641  
ISO 15848-1 BH 425°C C03  
SHELL MESC SPE 85/203-204



Fire safety

API 589, API 607



*Certificates available on request*

## TEST LABORATORY, OVER 500 SQ. M., SPECIALISING IN VALVES AND FITTINGS

Our equipment allows us to test sealing solutions on your own equipment under your specific parameters and conditions:

- **Temperature: 196°C to 650°C**
- **Pressure: vacuum to 650 bar for gas applications or 0 to 700 bar for liquid applications.**

Our valve test rigs support every sealing product development in YOUR VALVE. To date, we have performed over 100 approvals, with a 3rd part laboratory witness, on equipment such as:

- **Control valves**
- **Valves: on/off, 1/4 turn, up and down, multi-turn**
- **Valves in dimensions 1" to 10" and in pressure classes up to 2,500 lbs**





# 100 years experience as a designer and manufacturer of industrial sealing solutions

Groupe LATTY This is 14 sites worldwide to support your global operations. For over a century Groupe LATTY has undertaken the most efficient and innovative sealing solutions for your multiple industrial use. Thanks to its single industrial hub which concentrate our production lines our R&D center with our integrated quality control department to insure you the highest and most reliable

quality level from your expectation. With its 5% of Groupe LATTY revenues invested every year in research and development. Groupe LATTY sealing solution keep the forefront of innovation.

## Solutions adjusted to the requirements of Industry

GROUPE LATTY invests daily in solutions that respect the safety of personnel and equipment while ensuring the protection of the environment.



Energy production



Food



Pharmaceutical



Oil and gas



Mines and quarries



Water treatment



Paper



Chemical



Marine

## Training sessions dedicated to sealing solutions on industrial valves or fittings.

The focus of our training modules is on the implementation and good practices in the assembly of stuffing boxes and static seals, a guarantee of safety for your personnel and equipment reliability.

Every year, we organise a number of multilingual training sessions at our production site or on the customer's premises. GROUPE LATTY is an approved training organisation.

## Comprehensive Fugitive Emission solutions

These new, next generation seals, reduce emissions from your equipment and are used for very specific applications such as the transport of liquid or gaseous oxygen.



CRYOGENIC



ISO HT SOLUTION



HYBRID SOLUTION  
CONTROL VALVE  
ULTRA LOW FRICTION



BODY BONNET GASKETS  
SUPPORT RING  
GUIDE BEARING



LIVE LOADING SYSTEM



Fugitives emissions



Oxygen

- **APPROVALS :**
- ISO 15848-1 AH 2500 Class and BH Cryo
- BAM, TA LUFT



**LATTY INTERNATIONAL S.A.**  
57 bis, rue de Versailles  
91400 ORSAY - FRANCE  
Tel. +33 (0)1 69 86 11 12  
sales-marketing@latty.com

1 rue Xavier LATTY  
28160 BROU - FRANCE  
Tel. +33 (0)2 37 44 77 77  
customerservice@latty.com

**LATTY ARGENTINA S.A. \***  
Nuestra Sra. de la Merced 5334  
(1678) CASEROS PCIA. DE BS. AS.  
ARGENTINA  
Tel. +54 (11) 4734 8481  
ventas@latty.com.ar

**LATTY BELGIUM S.A./N.V.**  
Chaussée de Namur 92 bte 07  
1300 WAVRE - BELGIUM  
Tel. +32 (0)10 24 62 08  
info@latty.be

**LATTY DO BRASIL**  
Rua Sete, 100 Galpão B Park Comercial de  
Indaiatuba - CEP 13.347-435 INDAIATUBA -  
BRASIL  
Tel. +55 19 33 18 30 10  
alex.franzin@latty.com

**LATTY CHILE SPA**  
Arturo Prat 390 - OFICINA 202  
CONCEPCION - CHILE  
Tel. +56 22 93 34 957  
araneda@lattychile.com

**LATTY CWA (CENTRAL WEST AFRICA)**  
4 Boulevard Valéry Giscard d'Estaing  
ABIDJAN - IVORY COAST  
Tel. 22 50 92 87 816  
latty.cwa@latty.com

**LATTY IBERICA S.L.ESTANQUEIDAD**  
Can Barneda nº 17 Nave 11. Pol. Ind.  
Molí d'en Xec  
E08291 RIPOLLET Barcelona - SPAIN  
Tel. +34 (93) 356 99 90  
latty@latty.es

**LATTY INDIA LTD**  
Sf-23 ansal fortune arcade  
k block sector 18 - 201301 NOIDA-INDIA  
Tel. 91 12 04 31 57 35  
naren.contact@latty.in

**LATTY INTERNATIONAL Ltd \***  
Westfield Road - RETFORD  
Notts, DN22 7BT - ENGLAND  
Tel. +44 (0)1 777 708836  
sales@latty.co.uk

**LATTY MAROC TECHNISEALS S.A.R.L. \***  
51, rue Hadj Ahmed Balafrej -B.P. 3167  
20290 CASABLANCA - MAROCO  
Tel. +212 (0)5 22 24 80 90  
lattymaroc@menara.ma

**LATTY POLSKA**  
Siemianowice Slaskie,  
41-106 - POLAND  
Tel. +48572725246  
p.kostrzewski@latty.pl

**LATTY 2RS GmbH \***  
Broeltalstrasse 6-10  
53819 NEUNKIRCHEN - SEELSCHEID  
GERMANY  
Tel. +49 (0)2 247 87 01  
latty2rs@latty.de

**LATTY SOUTH AFRICA Ltd \***  
108 Billingham Rd, Founders View South  
Modderfontein, Edenvale, 1610  
SOUTH AFRICA  
Tel. +27 (0)11 452 9755  
support@latty.co.za

**LATTY Seal Services**  
Service centers, repair and reconditioning of  
mechanical seals

**LATTY MECASEAL**  
2, impasse du Crachet  
Zone Artisanale  
59193 ERQUINGHEM - LYS - FRANCE  
Tel. +33 (0)3 20 77 12 89  
lattyseal.service@latty.com

**LATTY MECANETANCHE**  
174, rue des Saules  
Z.I. Le Chapelier  
38110 SAINT-JEAN DE SOUDAIN - FRANCE  
Tel. +33 (0)4 74 97 01 09  
lattyseal.service@latty.com

\* Subsidiaries with a mechanical seal repair and reconditioning workshop.



SEALS / JOINTS / GARNITURES MECANIKES / RACCORDS TOURNANTS / TRESSSES / JOINTS  
RINGEN / FLACHDICHTUNGEN / GLEITRINGDICHTUNGEN / DREHDURCHFÜHRUNG / PACKING  
PACKINGS / JOINTINGS / MECHANICAL SEALS / ROTARY UNIONS / PACKINGS / JOINTS  
PAQUETADURAS / JUNTAS / CIERRES MECANICOS / JUNTAS ROTATIVAS / EMPAQUET

PLANT  
1, rue Xavier Latty - F-28160 BROU, FRANCE  
Tel. +33 (0)2 37 44 77 77. Fax. +33 (0)2 37 44 77 99  
customerservice@latty.com

[www.latty.com](http://www.latty.com)

