/ JOINTS / **GARNITURES MECANIQUES** / RACCORDS TOURNANTS / **TRESSES** / JOINTS / **GARNITURES**
N / FLACHDICHTUNGEN / **GLEITRINGDICHTUNGEN** / DREHDURCHFÜHRUNG / **PACKUNGEN** / FLACHDICH
CKINGS / GASKETS / **MECHANICAL SEALS** / ROTARY UNIONS / **PACKINGS** / GASKETS / **MECHANICAL S**
AQUETADUR[illegible]**TAS** / **CIERRES MECANICOS** / JUNTAS ROTATIVAS / **EMPAQUETADURAS** / JUNTAS /

LATTY® INTERNATIONAL S.A.

DIN 28138 AGITATOR SEAL HOUSING

LATTYmix RB 4212 D



STAINLESS STEEL TANK TOP SEALING SOLUTION

OPTIMIZED FOR HIGH LOADS UP TO 18 BAR.
STANDARDIZED ACCORDING TO DIN 28136 / 28141 / 28154.

FDA Ex

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LATTYmix RB 4212 D

DIN 28138 AGITATOR SEAL HOUSING

Standardized **double lubricated housing**, integrating a sealed-for-life bearing as well as standard mechanical seals, designed for **top-entry tank applications**, in a reinforced version **for high loads up to 18 bar**, ensuring robustness and performance in the most demanding applications.

Benefits

- Standard housing pre-set and factory-tested,
- Independent of rotation direction,
- Mechanical seals, type B 4212,
- **Sealed-for-life angular contact bearing** supporting an angle of +/- 0.5°,
- **Without adjustable shims to rotate,**
- Accommodates thermal shaft expansion (with axial displacement of +/- 2 mm) without impacting operation,
- In the event of pressure reversal in the vessel, the product-side mechanical seal remains operational thanks to the retained stationary face,
- Withstands high starting torques thanks to shrink-fitted stationary faces,
- No shaft marking thanks to its clamped drive ring,
- Independence of the two mechanical seals ensuring the safety of the double seal arrangement,
- Housing protected against possible contamination sources by a V-ring seal.

Applications / Industries

- Chemicals,
- Petrochemicals,
- Pharmaceuticals,
- Food industry,
- Cosmetics,
- Water treatment.

Fluids

- Powders,
- Gases,
- Steam,
- Toxic / non-toxic fluids.

Parameters (not associated)

- Pressure: vacuum to < 18 bar (vessel)
- Temperature: -40°C to +200°C
- Speed: < 15 m/s

Shaft diameters (in mm)

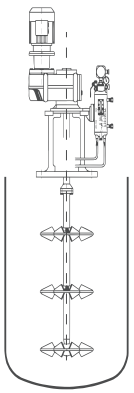
- 40, 50, 60, 80, 100, 125, 140, 160 (other on request)

Approvals

- FDA (standard), ATEX and CE 1935/2004 in accordance with the decree of August 5, 2020 (on request)
- DIN 28136 for steel tanks,
- DIN 28138 for mechanical seals,
- DIN 28141 for flanges and connections,
- DIN 28154 for shaft / housing interfaces.

Materials

- Product-side faces: Silicon Carbide (SiC) / Silicon Carbide (SiC),
- Atmosphere-side faces: Carbon (C) / Silicon Carbide (SiC) (SiC/SiC version available on request),
- Secondary seals: Fluorocarbon (FKM) (Perfluoroelastomer on request),
- Metal parts: Stainless steel 316L (DIN 1.4404),
- Springs: Stainless steel.



GROUPE LATTY offers lubrication units (auxiliary systems) designed to control the barrier fluid circuit in double seal housings.

- Thermosiphon
- Lubrication unit (GDL)

The information provided in this documentation is for indicative purposes only and shall not engage the liability of LATTY International. We do not guarantee the performance of our products in the event of defective installation or use not in accordance with the stated instructions. LATTY International is solely responsible for the quality of its products and does not intervene in installation or implementation, which must be carried out in accordance with best engineering practice.

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