



DIN 28138 AGITATOR SEAL HOUSING

LATTYmix RU 6812 D



STAINLESS STEEL TANK TOP SEALING SOLUTION
OPTIMIZED FOR LIGHT-DUTY APPLICATIONS UP TO 8 BAR.
STANDARDIZED ACCORDING TO DIN 28136 / 28141 / 28154



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DIN 28138 AGITATOR SEAL HOUSING

Standardized **double lubricated seal housing**, incorporating a sealed-for-life bearing and standard mechanical seals, designed for **top-entry tank applications**. This version is optimized for **light-duty applications up to 8 bar**, offering an excellent balance between efficiency, simplicity and operating cost

Benefits

- ▶ Standard housing pre-set and factory-tested,
- ▶ Independent of rotation direction,
- ▶ Standard mechanical seals kept in stock (U68 type),
- ▶ **Sealed-for-life ball bearing** supporting an angular misalignment of +/- 0.5°,
- ▶ **No adjustment shims to rotate**,
- ▶ Accommodates shaft thermal expansion (with axial movement of +/- 2 mm) without affecting operation,
- ▶ In the event of pressure reversal inside 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 damage thanks to the clamped drive collar,
- ▶ Independent mechanical seals ensuring the safety integrity of the double seal arrangement,
- ▶ Housing protected against possible contamination sources by a V-ring seal.

A LATTYmix RU 6812 D installation **can be converted into a LATTYmix RB 4212 D** simply by replacing the internal components within the existing housing, enabling a **rapid performance upgrade without any modification to the installation**

Applications / Industries

- ▶ Chemicals,
- ▶ Petrochemicals,
- ▶ Pharmaceutical,
- ▶ Food industry,
- ▶ Cosmetics,
- ▶ Water treatment.

Fluids

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

Parameters (not applicable)

- ▶ Pressure: vacuum to < 8 bar (vessel)
- ▶ Temperature: -40°C to +200°C
- ▶ Speed: < 15 m/s

Shaft diameters (mm)

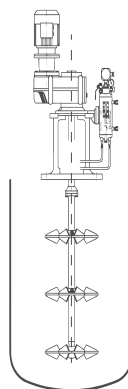
- ▶ 40, 50, 60, 80, 100, 125, 140, 160 (other on request)

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),
- ▶ Metallic parts: Stainless steel 316L (DIN 1.4404),
- ▶ Springs: Stainless steel.



GRUPE LATTY offers lubrication units (auxiliary systems) designed to control the buffer/barrier fluid circuit in double seal housings

- ▶ Thermosiphon system
- ▶ 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 improper installation or use not in accordance with the stated instructions. LATTY International is only 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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