



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.



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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 $\pm 0.5^\circ$,
- ▶ **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 $+200^\circ\text{C}$
- ▶ Speed: < 15 m/s

Shaft diameters (in mm)

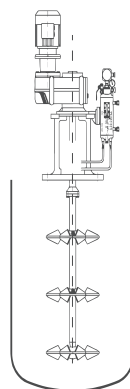
- ▶ 40, 50, 60, 80, 100, 125, 140, 160 (other on request)

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.



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

- ▶ Thermosiphon
- ▶ Lubrication unit (GDL)

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