

Bottom-Sealing Laundry Gate

The **Aranzu** Bottom-Sealing Laundry Gate represents the next generation in process flow control design. Engineered with a unique bottom-extension blade configuration, the gate's blade travels completely through the housing, ensuring a consistent and reliable seal when in the closed position. This innovative feature eliminates process fluid bypass, maintaining system integrity and improving operational efficiency.

Constructed from a selection of materials tailored to site-specific requirements, these gates offer superior corrosion and wear resistance. The sealing system utilizes PTFE seals, providing excellent chemical compatibility and long service life, even in aggressive fluid environments. Each gate can be automated using electric, hydraulic, or pneumatic actuators, and optional proximity sensors can be fitted to provide precise open/closed position feedback.

Fully customisable to any process application, **Aranzu's** laundry gate design combines durability, versatility, and control precision – making it the ideal choice for modern mineral processing, wastewater treatment, and chemical handling systems.



- Design ➔ Bottom-Sealing Mechanism:**
Blade extends through the base of the housing for perfect sealing contact.
- High-Performance Sealing:**
PTFE seal system ensures zero leakage and long-term performance.
- Robust Construction:**
Gates can be fabricated from stainless steel, mild steel, or specialised alloys for maximum corrosion and abrasion resistance.
- Actuation Options:**
Available in electric, hydraulic, or pneumatic configurations.
- Optional Instrumentation:**
Proximity or limit sensors for position indication and system integration.

↑ Bottom-Sealing Laundry Gate cont...

Application → Designed for use in mineral processing plants, tailings launders, chemical process lines, and industrial wastewater channels, where fluid isolation, flow control, and containment integrity are critical.

Ideal for systems requiring high chemical resistance, low maintenance, and reliable sealing in abrasive or corrosive environments.

- Variations →**
- **Manual or Automated Operation**
 - **Single or Dual-Gate Configurations**
 - **Custom Mounting and Housing Designs**

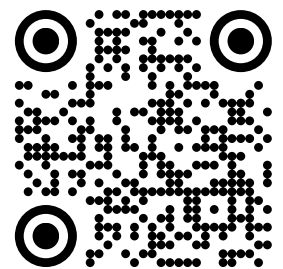
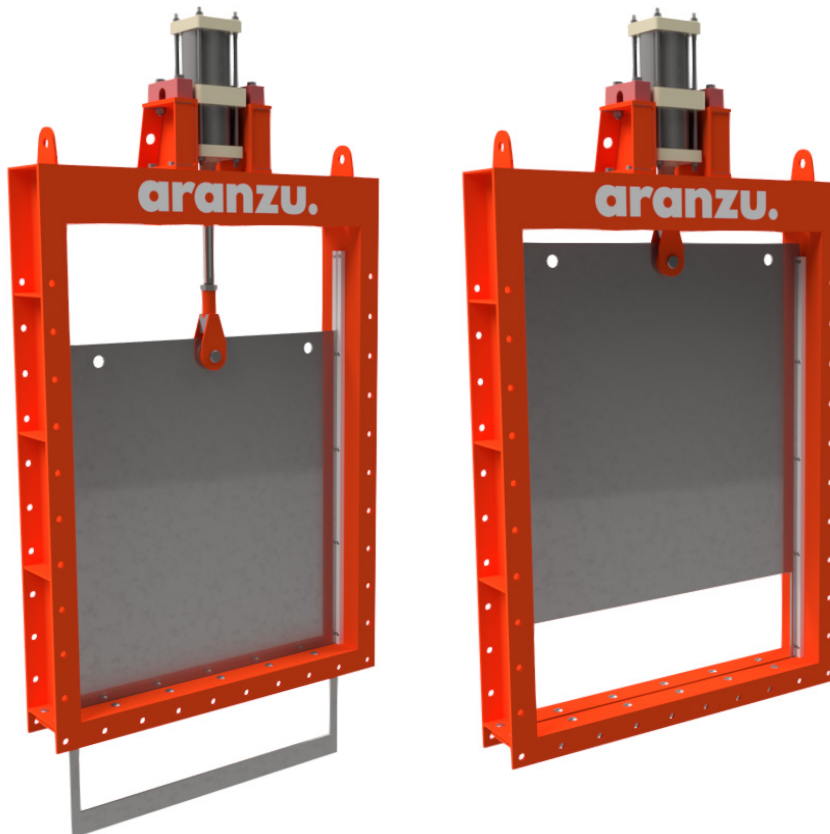
Material Options:

Stainless steel (304/316), duplex steel, polyurethane-lined, or epoxy-coated carbon steel

Seal Options:

PTFE, EPDM, NBR, or Viton based on fluid compatibility

- Custom Requirements →** **Aranzu** offers complete customisation to meet process-specific conditions. Clients may specify:
- Dimensional adjustments to suit launder widths or geometry
 - Integration with plant control systems (SCADA, PLC, etc.)
 - Specialised coatings or linings for high-abrasion or high-temperature environments
 - Tailored actuator systems for local or remote control
 - Additional sensor and feedback mechanisms for enhanced process monitoring



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