



aranzu.

Flow Distribution Box

The **aranzu** Flow Distribution Box is a cutting-edge solution designed to optimise slurry and fluid distribution in mining and mineral processing plants. Engineered for reliability and efficiency, this distribution system ensures precise flow control, enabling seamless operation across multiple downstream processes. It's modular and customisable design makes it suitable for various mining environments, reducing downtime and enhancing operational efficiency.



- Design →**
- Flexible Flow Control:** Can be operated using manually controlled stroking valves or automated systems for seamless integration into process plants.
 - Scalability:** Not restricted by the number of flow distributors, allowing for expansion as operational needs grow.
 - Material Versatility:** Constructed from materials suited to the specific demands of the mining industry, including corrosion-resistant alloys, stainless steel, or wear-resistant liners.
 - Upfront Screening Mechanism:** Prevents oversized material from entering the flow distribution system, ensuring smooth and uninterrupted processing.
 - Maintenance-Friendly:** Individual sections can be isolated for maintenance, minimising operational downtime and increasing efficiency.

- Application →**
- The **aranzu** Flow Distribution Box is ideal for applications in:
- Mineral processing plants** – Ensures uniform slurry distribution across different processing stages.
 - Dewatering systems** – Controls and optimises water flow in tailings and filtration processes!
 - Hydrometallurgical operations** – Manages reagent distribution in leaching and flotation circuits.
 - Underground and open-pit mining** – Enhances water and slurry handling efficiency in diverse mining environments.

- Variations →**
- The system can be configured with different valve types, flow capacities, and automation levels to meet site-specific requirements. Options include:
- Manual or automated stroking valves.
 - Multiple inlet and outlet configurations.
 - Choice of wear-resistant coatings or linings for extended service life.

- Custom Requirements →**
- Units are customised to meet client needs.

