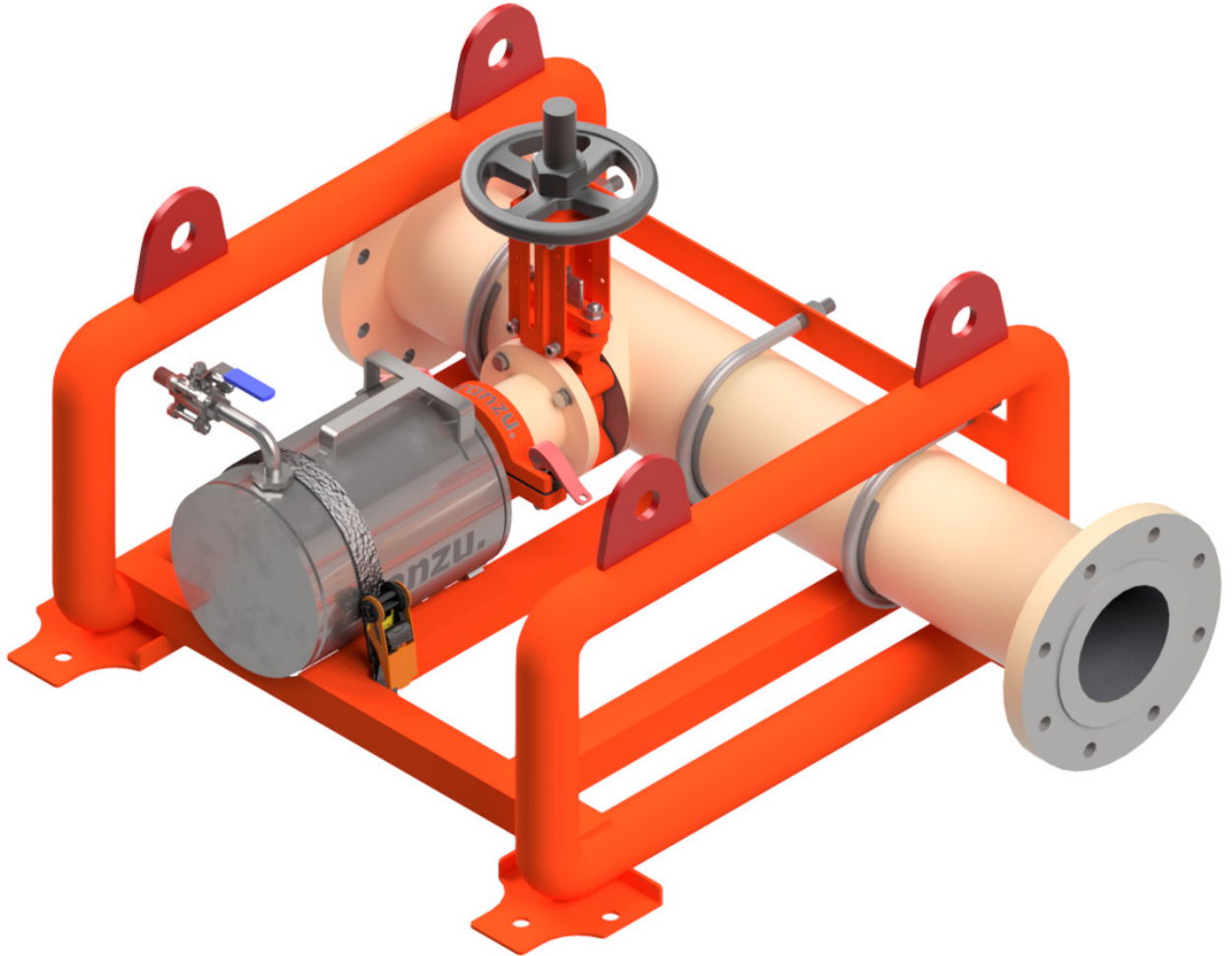


Pressure Pipe Sampler

These systems are designed for the safe, efficient, and representative extraction of slurry or fluid samples under pressure, ensuring accurate laboratory analysis while maintaining operator safety and process integrity.



- Design** ➔ The **Aranzu** pressurised sampling container is an engineered solution for extracting homogenous slurry or fluid samples from process pipelines operating at pressures up to 16 bar.
- The system consists of a custom pipe spool, designed to generate turbulence through 10 internal reducing rings over a 1-meter section, ensuring the sample taken is well-mixed and representative of the actual process stream.
 - The sampling vessel is an 8L stainless steel container, specifically limited in capacity for ergonomic handling – a single operator can safely lift and transport it to surface for laboratory testing and cleaning.
 - Quick-coupling connections and securing straps allow for rapid installation, removal, and replacement without specialised tools.
 - The integrated breather valve prevents over-pressurisation during filling and is sealed once the vessel is full.

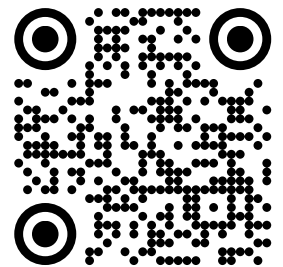
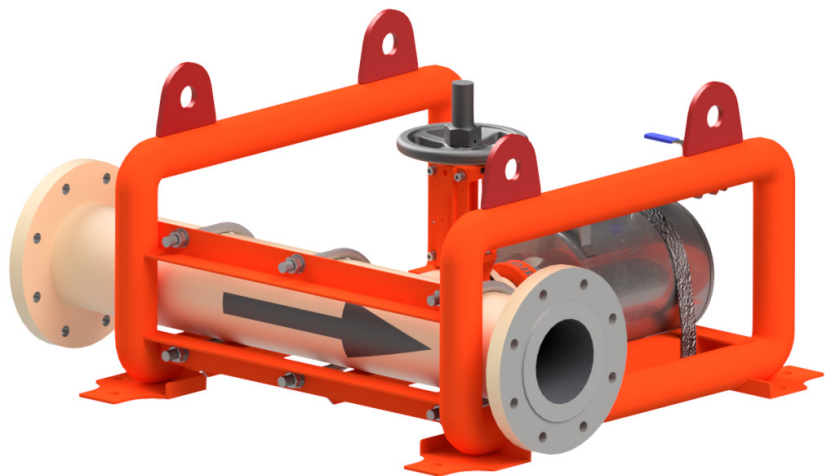
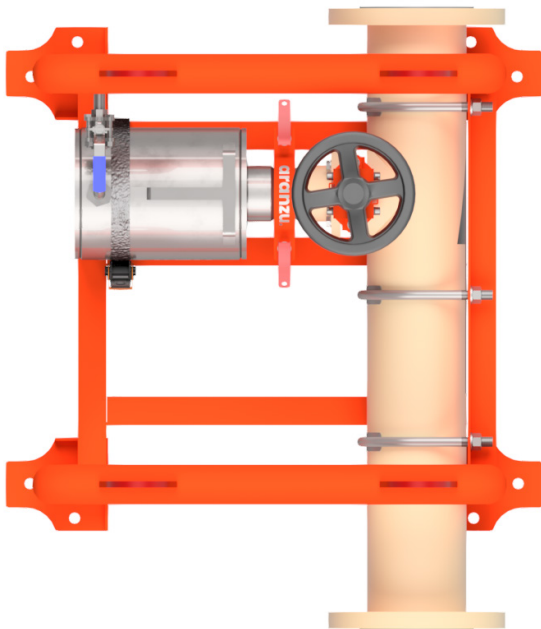
This system bridges the gap between plant operations and laboratory analysis by delivering reliable, consistent samples from high-pressure lines.

↑ Pressure Pipe Sampler cont...

- Application →**
- Designed for mining and mineral processing plants where slurry sampling is critical for metallurgical accounting, process optimisation, and quality control
 - Suitable for underground and surface operations, particularly where operators need a portable solution for transporting samples to analytical facilities
 - Provides secure anchoring to plant floors through a movable skid base with rock bolt fixtures, enabling fast and stable installation between existing pipe spools

- Variations →**
- Different Vessel Sizes: While standard capacity is 8L, alternative volumes (e.g., 5L or 12L) can be designed for specific customer handling or process requirements
 - Pressure Ratings: Base model supports up to 16 bar, but higher ratings can be engineered depending on site requirements

- Custom Requirements →**
- Adaptable to various pipeline diameters through tailored flanges and reducers
 - Frame geometry can be modified for site-specific space constraints or transport needs
 - Optional safety add-ons include pressure relief valves, protective shields, and integrated drain/flush connections



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