

Metso

Slurry handling

Metso dart valves



Slurry handling

Precision flow control. Maximum performance.

Tailored flow control for superior performance to suit all process equipment shapes, sizes and layouts.

In today's fast-paced mining and processing environments, achieving optimal flow control and process efficiency is crucial. Metso dart valves are designed to provide precise, reliable, and customizable flow regulation for primarily open-topped slurry tanks, cells, channels and splitter boxes.

Whether you're looking to improve your current system or implement a completely new solution, our innovative designs ensure the highest performance, minimal downtime, and maximum reliability. With a focus on flexibility and precision, Metso dart valves are suitable for all types of processes — from large flotation machines to conditioner tanks and splitter boxes.

Our team offers tailored solutions and expert support every step of the way, ensuring that your operations run smoothly and efficiently, no matter the complexity.

Benefits

- Reliable and consistent process control and/or isolation
- Minimal maintenance
- Handles abrasive and corrosive materials
- Low energy consumption
- Precise control
- Wide application range
- Durable and robust

Choose Metso dart valves for superior performance and the peace of mind that comes with working with a trusted leader in flow control technology.

Why choose Metso valves

- Custom-designed to fit any tank size, shape, or layout
- Full supply flexibility: Complete valve or actuation system only
- In-house engineering & drafting for seamless design, sizing & installation
- No confined space work — entire unit is removed for easy maintenance
- Ideal for all site types: Greenfield, OEM, or retrofit applications
- Modulating control or On/Off actuation
- Fully customizable to suit your process requirements

Available configurations

- Integral dart valve
- Standard dart & shaft arrangement
- Sealed external
- Angle wall mount

Actuation systems

- Standard mechanical internal positioner feedback system
- Electronic LVDT feedback system
- Compatible with pneumatic, electric, manual, and hydraulic actuation
- Integrates with any positioner or actuator brand
- Supports spring fail open/closed and double acting actuators
- All major protocols supported: 3–15 psig, 4–20 mA, HART, profibus, foundation fieldbus



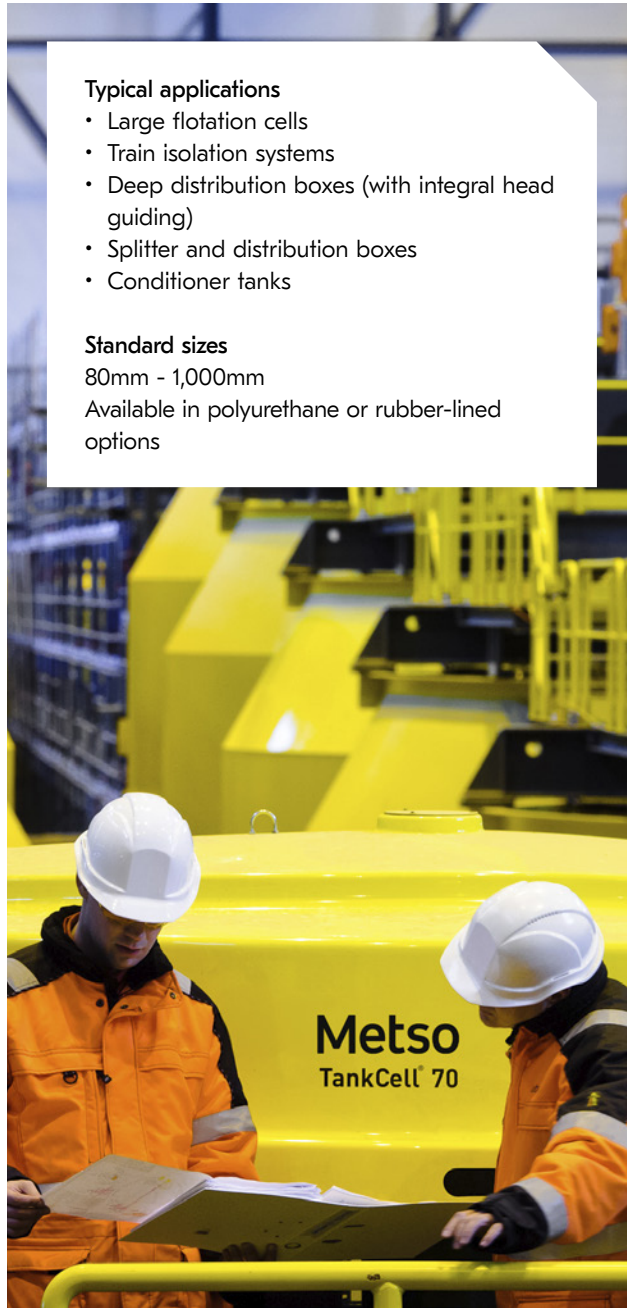
Typical applications

- Large flotation cells
- Train isolation systems
- Deep distribution boxes (with integral head guiding)
- Splitter and distribution boxes
- Conditioner tanks

Standard sizes

80mm - 1,000mm

Available in polyurethane or rubber-lined options



Your #1 service partner from pit to port

END-TO-END SOLUTIONS

We carry the industry's most comprehensive aftermarket offering, and it's not limited to Metso equipment.

You set the target. We provide the solution.

OPTIMIZED PERFORMANCE

Our expertise covers every stage of the minerals process. We connect the dots and solve bottlenecks in a holistic way, elevating your process performance to a whole new level.

DIGITAL MINE

Our 45+ digital solutions help add an extra boost to your performance, identifying hidden improvement areas and modeling the solutions with sophisticated simulations.

TRUSTED PARTNER

Our dedicated team of experts bring you the unique advantage of local presence backed up by a solid global network of first-class engineering, manufacturing and service.

SUSTAINABLE OPERATIONS

Lower risks and less energy, water, parts, fuel, waste, transportation.

Metso

Partner for positive change