

MINING, MINERALS & METALLURGY

Flowrox has provided solutions for high-wear and aggressive processes in more than 50,000 installations in mining, metallurgy and mineral applications around the world. Flowrox valves and pumps have proven their superior quality, reliability, excellent wear-resistance and anti-jamming properties in these applications.

Flowrox valves and pumps are perfect for various duties including:

- Grinding/Screening
- Hydrocyclone Separation
- Magnetic Separation
- Flotation
- Thickening
- Filtration
- Tailings
- Additional systems such as sampling, dosing and water treatment

Flowrox valves and pumps offer:

- Reduced total cost of ownership
- Substantial savings through improved process performance and uptime
- Long service lifetime
- Low maintenance costs
- Fast payback
- Superior quality, reliability and excellent wear resistance

The product range

Flowrox pinch valves:

These valves are an excellent choice for applications where extreme abrasion and scaling are present. The construction of the Flowrox valve ensures that the valve closes tightly even if coarse particles remain between the closing device. In the open position, the valve is actually a part of the pipeline.

In some cases, the initial purchase cost for high quality pinch valves may appear to be higher than conventional valves, but low maintenance costs will quickly turn the purchase decision into profit. In fact, in an ideal situation, Flowrox valves pay



abrasive, corrosive, shear sensitive and viscous liquid products, solids present the real challenge. Solids such as rocks, sand and ore comprise different mineral contents and pump systems must be able to accommodate these variations.

The pump must be capable of high operating pressures and flow rates to ensure a smooth liquid passage and deny the opportunity for the product to settle. Other required features should include repeatable and reliable delivery performance, self-priming functionality and easy maintenance.

Process benefits

- Low wear and corrosion
- Dry run capability
- Exact flow per revolution
- Accurate flow
- Low shear of the medium
- No risk of cavitation

Flowrox progressive cavity pumps:

Flowrox Progressive Cavity Pumps are engineered for demanding duties for industrial slurry pumping and waste water treatment. Due to their unique features and patented design, high efficiency and high pressure are achieved with a short construction. Flowrox utilizes a patented shaft seal removal system allowing the seal to be replaced quickly without dismantling or moving the entire pump. Combined with a long service interval, this enables the highest uptime possible.

Process benefits

- Easy installation
- Fast maintenance
- Fluent operation with low power consumption
- Low life cycle costs

back the initial purchase cost in a matter of months.

Process benefits

- Excellent wear and corrosion resistance
- No jamming or clogging
- Self-cleaning
- Trouble-free operation
- Long service intervals

Flowrox heavy duty knife gate valves:

Flowrox heavy duty knife gate valves are engineered to be used in shut-off applications involving abrasive

or corrosive slurries, powders or coarse substances.

Process benefits

- Excellent wear and corrosion resistance
- No jamming or clogging
- Self-cleaning
- Trouble-free operation
- Long service intervals

Flowrox peristaltic hose pumps:

While pumping applications in the mining sector frequently involve



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