



MANUFACTURING water connections



DAVINCI VALVES

MINERALS & MINING

QUALITY CERTIFIED

At **DAVINCI VALVES** we prioritize quality and safety, that is our top concern. As a multi-industry supplier, we leverage extensive and diverse knowledge across various sectors. Our extensive knowledge of quality control tests guarantees that our products meet the greatest industry benchmarks. This enables us to offer international certifications for products suitable for potable water systems, sewage treatment, irrigation, fire protection (UL/FM), minerals & mining, HVAC, and industrial applications.

Our experienced experts can recommend the optimal solution for your specific needs.

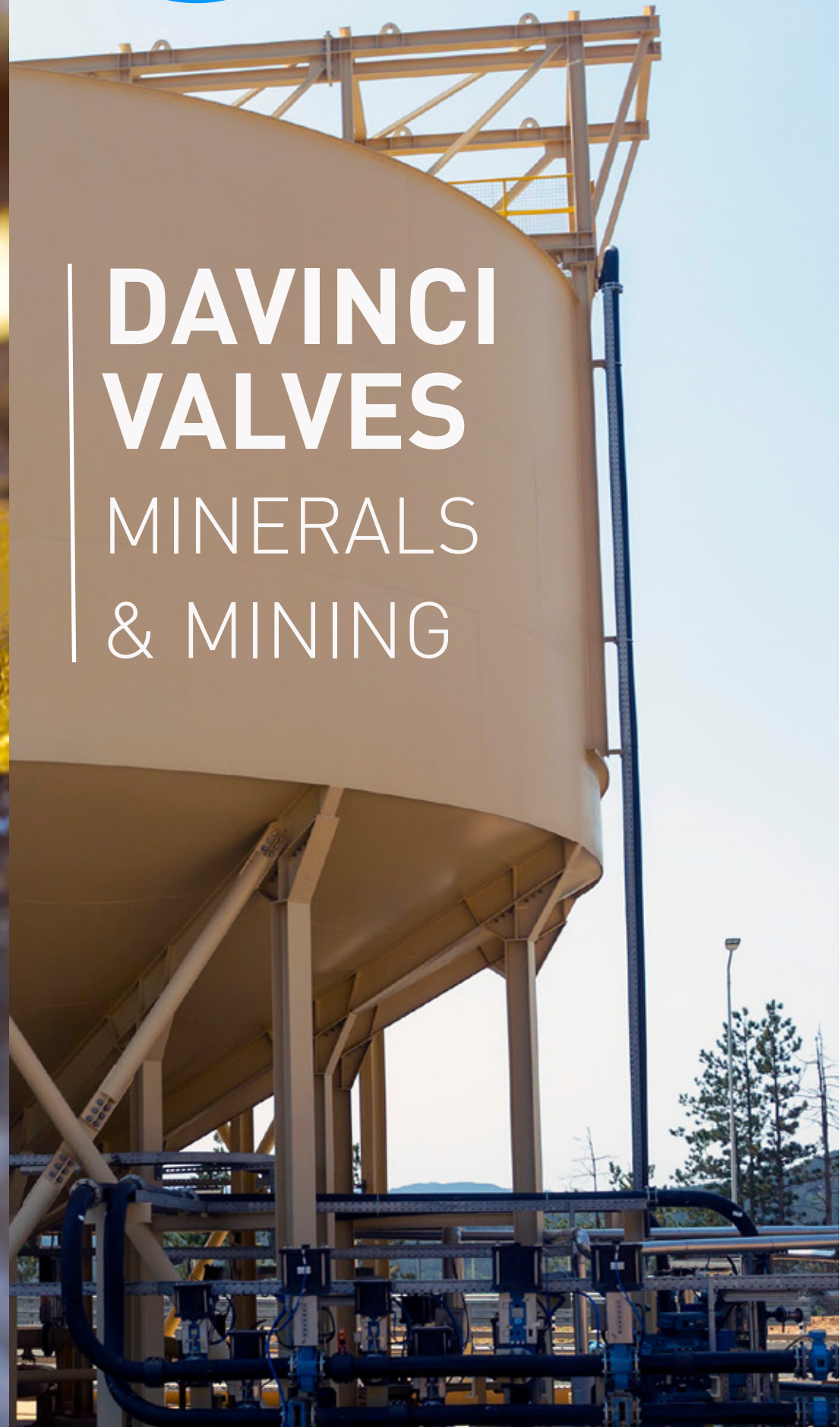


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STAY IN TOUCH
 DavinciValves



COST-EFFECTIVE MINERALS SOLUTIONS

Mining plays an important role in industrial sector for **DAVINCI VALVES** and your esteemed company, dear partner.

We provide a comprehensive range of knife gate valves for slurry, drawing from our extensive experience in designing and manufacturing valves specifically for mining applications.

DAVINCI VALVES is dedicated to delivering high-performance valves that require minimal maintenance, tailored for the most demanding applications of our customers.

Our proficiency in producing specialized valves enables us to address even the most challenging applications. **DAVINCI VALVES** is equipped to develop the most appropriate and specific solutions for each unique application.



MINERALS AND MINING APPLICATIONS

The primary challenges in handling slurries are abrasion, erosion, and corrosion. Equipment must be specifically designed to withstand these harsh conditions.

Concentration Plants

Following crushing, ore is transported to concentration plants. As particle size is further reduced in comminution processes (such as crushers, high-pressure grinding rolls, mills), resulting slurries are typically high in solids concentration and particle size. Our robust heavy-duty valves are designed to operate effectively under these severe conditions.

Leaching Plants

After crushing (and often milling), metals like copper, gold, and silver undergo processing in leaching plants. Our valves are suitable for tank leaching processes, used in tanks, vats, and subsequent thickening and filtering stages. They are engineered to endure corrosive environments for extended valve life, and are also effective in pressure and high-temperature leaching scenarios in autoclaves.

Cyclones

In cyclones, where minerals are initially separated by size, our valves deliver exceptional performance based on particle size and concentration. Lighter and more cost-effective valve options are also available, depending on mineral type, concentration, and size.

Flotation Cells

During separation processes based on particle type (including flotation cells, gravity separation, and magnetic separation), where particle sizes are small, **DAVINCI VALVES** demonstrate excellent performance. Concentrated mineral ore is subsequently dewatered in thickeners, and our valves provide ideal solutions tailored to each mine's processes.

Filtering

Finally, minerals undergo filtration typically vacuum or press filters, where our valves ensure efficient performance.

"Knife Gate Valves for GOLD MINE INSTALLATIONS"



"We merge the expertise of a manufacturer with the adaptability of a trading company to provide comprehensive solutions tailored to our customers' needs"



Try Us

MINING APPLICATIONS VALVE SOLUTIONS

DAVINCI VALVES manage and operate three technologically advanced manufacturing facilities focused on producing: knife gate and butterfly valves, fittings, and pipe components. This enables us to implement rigorous quality control protocols through the entire manufacturing process, ensuring the reliability and optimal performance of our entire product line.



Our cargo consolidation service enables our customers to benefit from lower transportation costs through combined shipments, amplifying the distinctiveness of the interaction through the business connections with your company.



SIMPLIFIED MINING PROCESS

... and how can we help to improve your processes?
Visit us at www.davincivalves.com/mining

