



Valves for Highly Abrasive Applications



engineered solutions



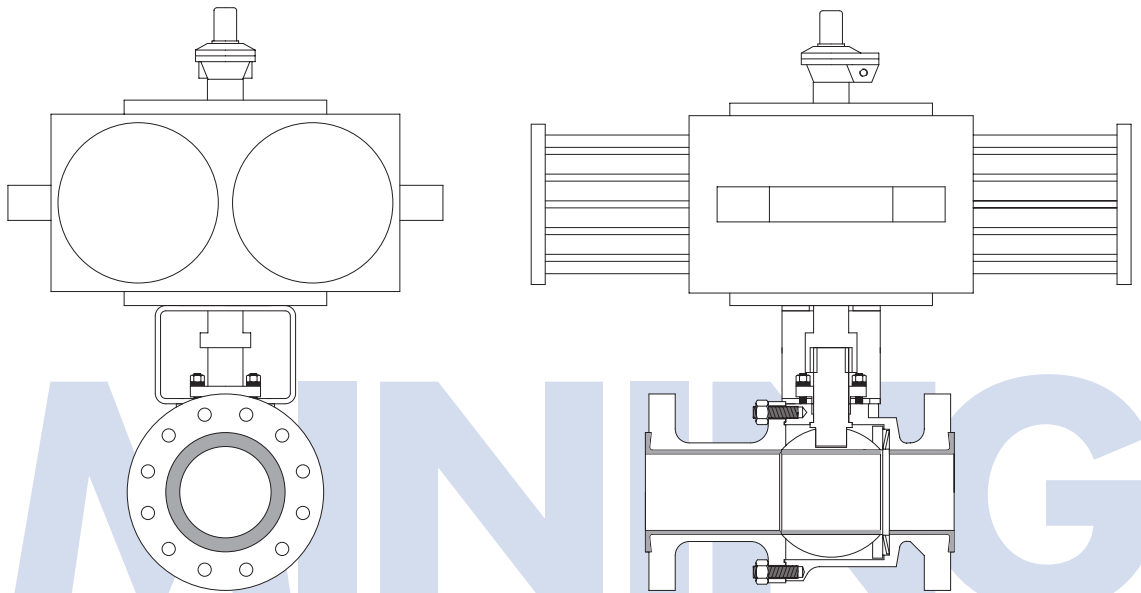
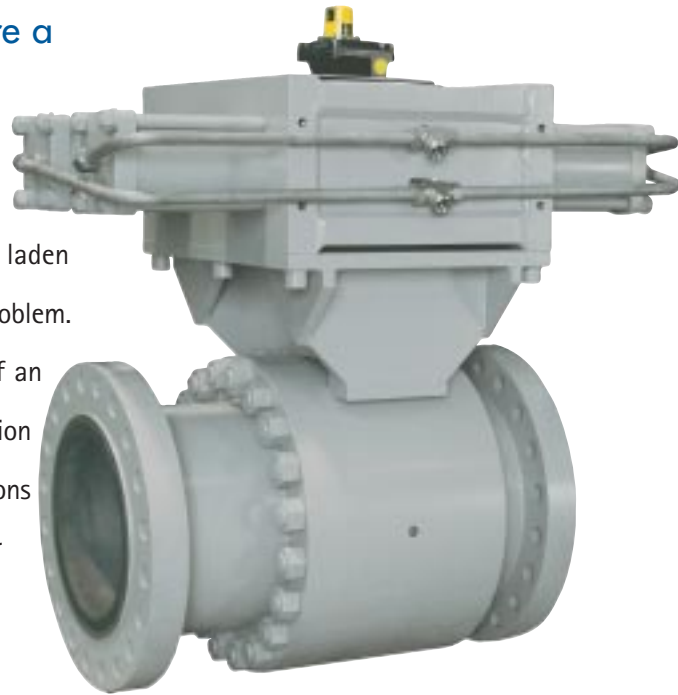
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RAM™ Coating Process

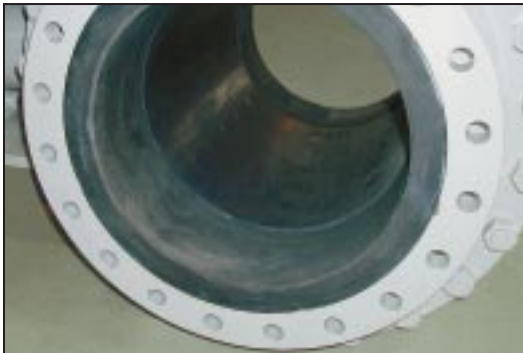
The specialized needs of Mining and Mineral processing applications are a major focus at Valvtechnologies.

Using highly bonded rubber, other elastomers and hard materials, Valvtechnologies can design and build valves for use in solids laden applications, where high velocity and wear is a problem. Combining the existing and successful design of an integrally metal seated ball valve with abrasion resistant internals, allows valve use in applications where failures due to wear would normally occur

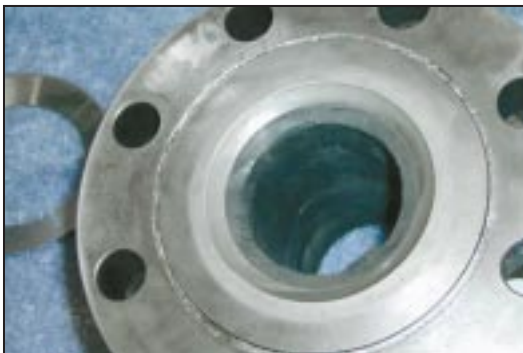


MINING

Recent design for a Tailings Disposal Project in Peru



Rubber Lined Body & End Cap with Urethane Lined Ball



Integral Seat with Carbide Coating & Rubber Lined Outlet



Interface Between Rubber Liner & Carbide Coated Ball

Design Features

- Zero leakage
- Superior resistance to abrasion
- Pressures to 350 BAR
- Sizes to 900 mm diameter

Available Liners

- Natural Gum Rubber
- Urethane
- EPDM
- Tungsten Carbide
- Neoprene
- Stainless Steel
- Duplex
- Ceramics

Available Materials

- Carbon Steel
- 316 Stainless Steel
- Duplex
- Titanium
- Alloy 20
- Inconel
- Many Others



Lined Thickener Underflow Valves in Chilean Mine



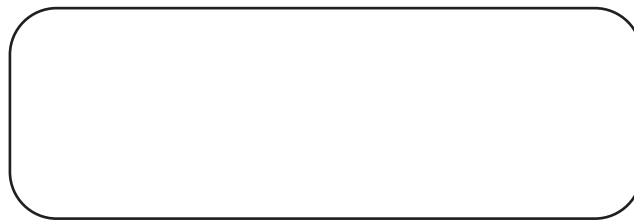
Rubber Lined Valves in Tailings Disposal System for Peruvian Mine

Applications

- Mine Backfill
- Tailings Disposal
- Thickened Paste
- Thickener Underflow
- Slurry Transfer
- Pneumatic Conveying
- Fly-ash

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