

We develop and manufacture industrial valve solutions through constant, orderly and structured innovation.

We believe that progressing is taking the step, being the first, from the perseverance and creativity of a professional, ingenious and motivated team.

Innovation in movement, easily adapting and overcoming every single obstacle.

Flowing innovation



Engineering services to determine flow coefficient and capacity for valves.



Finite Element Analysis for components and assemblies, including a wide variety of loads, pressures, temperature distributions, etc...



Valve sizing and selection.



Customized special designs.



Component replacements and special parts.



NDE tests such as VT, RT, PT, MT and UT.



Equipment start-up supervision.



Maintenance works.

Quality

Our Quality Management System ensures every product is delivered with the required quality level and comply with all the established requirements. It conforms to the quality management ISO 9001:2015 standard, as well as the following directives:

- | Pressure Equipment Directive PED 2014/68/UE.
- | Machinery Directive 2006/42/EC.
- | Explosive Atmosphere Directive 2014/34/UE.



Roosevelt SA

Knife gate valves

At our company, every development has in-house engineering and manufacturing facilities for a wide range of industrial applications anywhere in the world.

We work from the delivery and dedication, from the person. Always open to any need, project, industry and customer. With the proactivity and intelligence necessary to face any challenge proposed to us. An engineering and manufacturing team that goes hand in hand with the customer, to always offer a reliable product, with high performance and durability.

Our Roosevelt SA Type push-through knife gate valves are classified as following, depending on face to face and design pressure:

SAS PUSH-THROUGH KNIFE GATE VALVE

SAL LONG PATTERN PUSH-THROUGH KNIFE GATE VALVE

SAH HIGH PRESSURE PUSH-THROUGH KNIFE GATE VALVE

SAX EXTREME PRESSURE PUSH-THROUGH KNIFE GATE VALVE

Beyond the valve

Roosevelt Knife gate valves are engineered and built to handle extreme working conditions for abrasive fluids and high pressure services. In addition, our SA Type push-through knife gate valves provide a bubble tight shutt-off and extended service life for the most demanding mining and mineral processing applications.

The main characteristic of the slurry knife gate valve is that it provides a full continuous flow. In open position the two rubber wear-resistant sleeves are in close contact with each other preventing the flow get inside the valve body. Installation of this equipment is done between pipeline flanges, which flange drilling can be made according to customer specifications or our standard.





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|  SIZE UP TO DN1400 | DESIGN PRESSURE UP TO 50bar/ 740psi |
| WORKING TEMPERATURE UP TO 200°C | ON REQUEST CUSTOMED DESIGN |

Zero atmospheric leakage.

even for gas or high pressure water applications.

At our Roosevelt SA special top gate sealing concept is designed to ensure full tightness to the atmosphere even for gas or high pressure water applications.

Every design is fully hydrostatically tested at our facilities according to API 598, testing body cavity at 1.5 times the design pressure.

True bi-directional zero leak shut-off.

where body avoids flow abrasion.

The design allows flow media with high consistency either for normal or reverse flow due to the bi-directional double seat design.

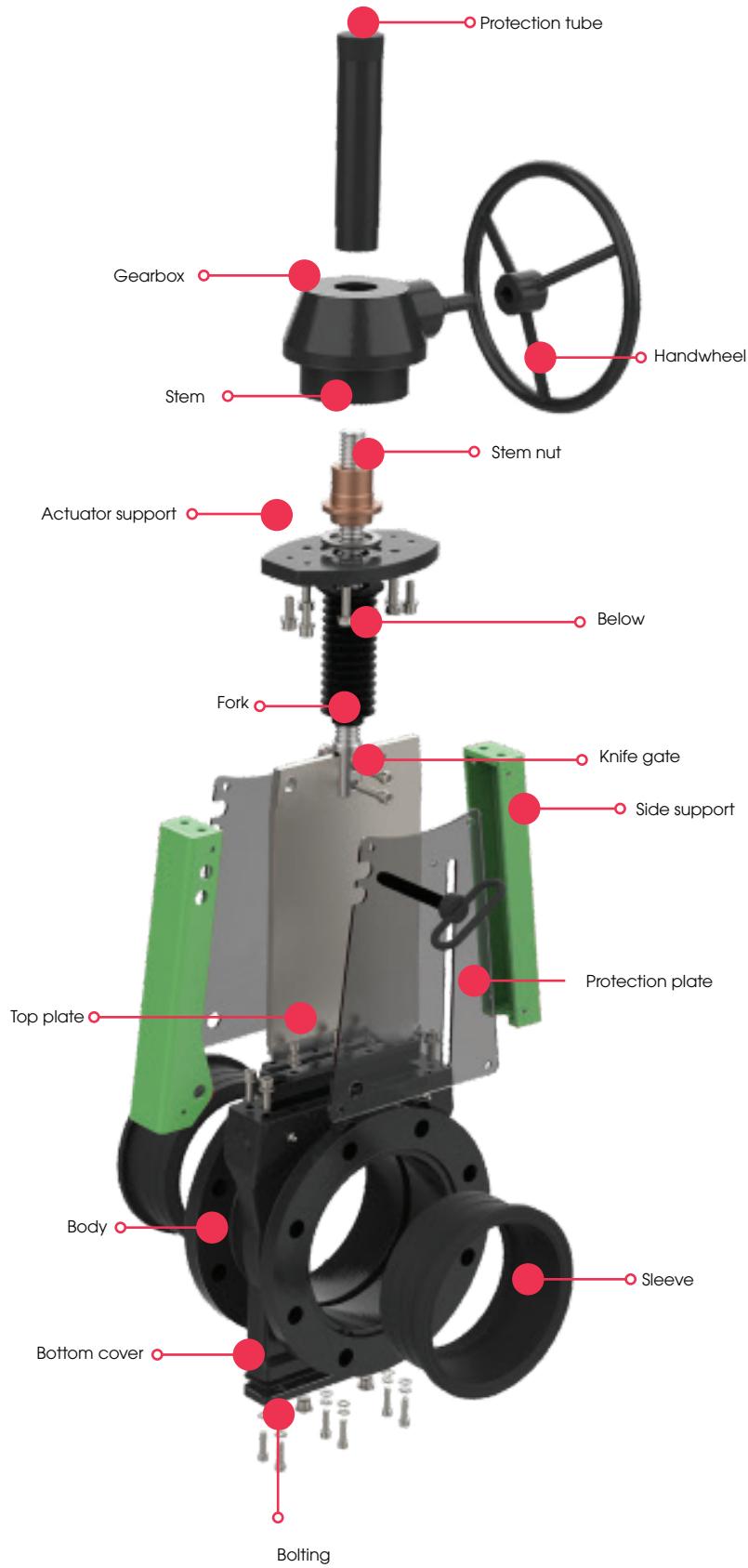
The main characteristic of the slurry knife gate valve is that it provides a full continuous flow. In open position the two rubber wear-resistant sleeves are in close contact with each other preventing the flow get inside the valve body.

Engineered to last

even for extreme working conditions with abrasive fluids.

From optimized parametric design 3D modeling tools, to Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD) systems, our reliable push-through knife gate valves are ready to be manufactured with confidence.

Every component is designed and validated by top-notch softwares by the engineering team.



Mining and minerals processing

The Mining and mineral processing Industry has hundreds of different critical processes, from the grinding circuit through to the refined or smelted products, that require reliable and cost-effective engineered valve solutions. Knife gate valves are engineered and built to handle extreme working conditions for abrasive fluids and high pressure services. In addition, our Slurry knife gate valve Series provide a bubble tight shutt-off and extended service life for the most demanding mining and mineral processing applications.

Slurry transfer • Cyclones • Coal Transport • Ore Processing • Filter Tanks • Thickeners • Tailings • Pelletizing • Sand and Silica Reduction • Dewatering Systems Mud Washing • Acid Leaching • Grinding Circuit • Ball Mills

Power generation

Plant availability can be affected by unplanned downtime, unpredictable power generation, high maintenance costs, and adherence to changing environmental and safety regulatory requirements. Knife gate valves solutions are flexible and can be specially-made to fit customer needs.

Coal Handling • Incineration Plants • Bottom Ash • Wet Lime Scrubbers • Co-Generation • Dewatering Pump Isolation • Hydrocyclone Feed • Coal Combustion Residuals • Filter Feed Tank Isolation

Pulp and paper

Finding innovative ways of increasing production yields while lowering operating costs is mandatory to succeed in the pulp and paper applications. Our Knife gate valves are the ideal solution for the pulp and paper industry.

Cyclone Discharge • Recycled Paper • Kraft Fiberline • Hydrocyclone • pH Addition Black Liquor • Green Liquor Lime • Paper Additives • Batch Digester Gas Relief • Brown Stock Rejects • Boiler Feedwater

Water treatment

Valves for waste water applications require an excellent flow characteristic and be able to withstand the media settling. Dmmond SA type push-through knife gate valves incorporates unique design features to provide a reliable operation able to cut through difficult dry media.

Wastewater Treatment • Sewage Treatment • Effluent treatment plant • Equalization tank mixing systems • Salt Crystallization • Raw Water Inlet • Influent Flow Equalization • Grit Removal Systems • Scum Control • Waste Activated Sludge • Lime Slurry and pH Control