

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 SR

Unidirectional 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 SR Type unidirectional knife gate valves are classified as following, depending on face to face and design pressure:

SRS MODEL UNIDIRECITONAL KNIFE GATE VALVES

SRH MODEL HIGH PRESSURE KNIFE GATE VALVES

SRX MODEL EXTREME PRESSURE KNIFE GATE VALVES

Beyond the valve

Roosevelt SR unidirectional knife gate valves are designed and built to handle light to heavy slurries in mining and mineral processing, energy, pulp and paper and other industrial sectors. Thanks to our outstanding engineering team, our SRS valves achieve reliable shut-off, longer service life and lower cost of ownership and maintenance. Recommended for applications up to 100°C and up to 16 bar design pressure.

Some valve highlights as following:

- | Maintenance-free top moulded seal design
- | Metal seat + soft seat
- | Easy field replaceable soft seat sleeve
- | Shear tip knife gate for superior performance
- | Autoflushing bottom cavity
- | Thickest knife on market
- | High flow rates and low pressure drops





 SIZE
UP TO
DN1200

 WORKING
TEMPERATURE
UP TO
200°C

 ON
REQUEST
**CUSTOMED
DESIGN**

 DESIGN
PRESSURE
DN50 TO DN200 **16bar/232psi**
DN250 TO DN300 **10bar/145psi**
DN350 TO DN600 **4bar/58psi**

Maintenance-free top moulded seal design

Avoid packing lines replacement with a unique top seal

Roosevelt SR special top gate sealing concept is designed to ensure full tightness to the atmosphere even for gas or high pressure water applications. A fully moulded top seal is a great solution to avoid packing line replacement, thus reducing the maintenance. This design ensures zero atmospheric leakage.



Easy maintenance. A cost-effective solution.

Easy field replaceable soft seat sleeve in addition to the metal seat

The machined construction and the snap-in sleeve design allows maintenance to be an easy work that can be performed on field. There is no need to return the valve to factory for repair as the seat can be replaced on-site.

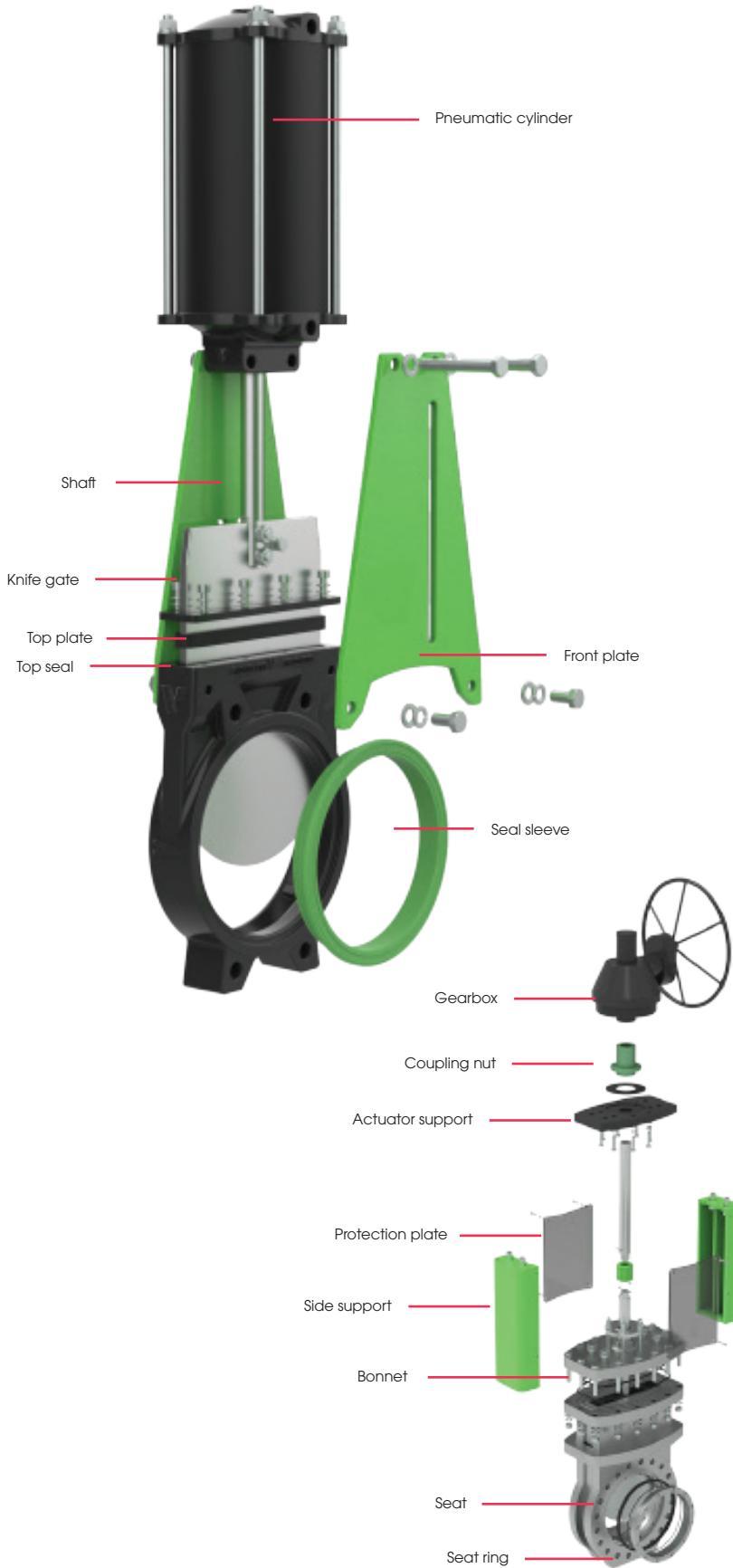
Moreover, all valves apply a fully machined metal seat design in addition to the soft seat sleeve to ensure a longer and more reliable flow isolation.

Thickest knife on market.

Robust design increasing valves life

Even valves work in lower pressures than the actual design, we believe than a thickest knife gate can provide a longer valve life, giving also a more robust shearing to the process that result finally in a superior valve performance.




Main features

Top moulded seal design.

Thickest knife on market.

Easy replaceable soft sleeve.

Shear tip machined knife.

Working pressures up to 16bar.

High flow rates and low pressure drops.

Tailor-made solutions.

Epoxy coating for carbon steel components.

Sizes up to DN1200.

Bi-directional leakproof design.

Rising or non-rising stem design.

On/Off service.

ISO 5210 drillings for interchangeable actuators.

Pneumatic, Hydraulic, Electric or manual actuation.

Working temperatures up to 2

Flange drillings to most standards.

Special materials or treatments on request.

Robust and reliable design.

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

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

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

Water treatment

Valves for waste water applications require an excellent flow characteristic and be able to withstand the media settling. Roosevelt SR 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