

DeZURIK

AN SPX BRAND

Urethane Knife Gate Valves



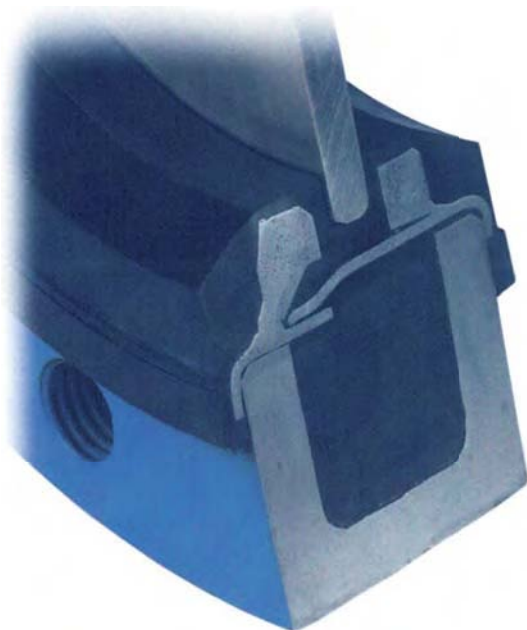
Urethane Knife Gate Valves Design and Construction

DeZURIK's Urethane Knife Gate Valves are designed for on-off and throttling applications in the mining industry. They are designed for abrasive slurry and dry abrasive material handling applications. Temperature ratings are -40 to 180°F (-40 to 82°C).

Urethane Knife Gate Valves are available in sizes 4-24" (100-600mm). They feature a one-piece cast-in-place liner that provides bi-directional, drip-tight shutoff to 150 psi (1030 kPa) on 4-12" (100-300mm) valves. All wetted surfaces of the body are lined with urethane. Gate material options include 304 and 316 stainless steel.

Wafer Body

The wafer face-to-face design saves pipeline space, is lightweight and is easy to install. The wafer design also means extra valve strength. Supporting ribs between flanges resist strains from piping misalignment. Flanges are drilled and tapped to the ANSI 125/150, DIN 10 (BS 4504/10), DIN 16 (BS 4504/16), JIS 10, AS2129 Table D and E. Valves can also be furnished with flange bolt holes drilled for through bolting, except in the chest area.



One-Piece Cast-In-Place Liner

The urethane liner is cast in place to form a continuous liner throughout the entire body, chest, packing chamber and flange face area. The robust urethane seat portion of the one-piece liner covers the interior of the valve. The urethane liner extends over the flange face to serve as the valve's flange gasket. No additional gaskets are required.



Body Reinforcing Ribs

Reinforcing ribs provide a solid superstructure mount and give the body added strength. Placement of the ribs assures packing chamber support to resist both internal and external stresses.

ISO 9001/9002 Certification

DeZURIK's ISO certifications represent its commitment to ongoing quality improvements and dedication to higher levels of performance. DeZURIK received its first certification in 1993, and continues to improve all aspects of design, manufacturing, order processing and service to DeZURIK customers.

Rugged Stainless Steel Gate

A durable gate resists damage and allows higher pressure drops. The gate is stainless steel for corrosion resistance and is finish ground on both sides and edges to insure long packing and seat life. The gate includes a knife-like bevel that pushes aside or cuts through thick slurries or solids in the flow.

Reliable; Long-Life Packing

Square braided PTFE packing insure a tight seal with a minimum of packing gland pressure. Extra rings of packing and a smooth uniform chamber assure a tight seal.

Choice of Actuators

The DeZURIK Urethane Knife Gate Valve is offered with a choice of handwheel, chainwheel, bevel gear, cylinder or electric motor actuator.

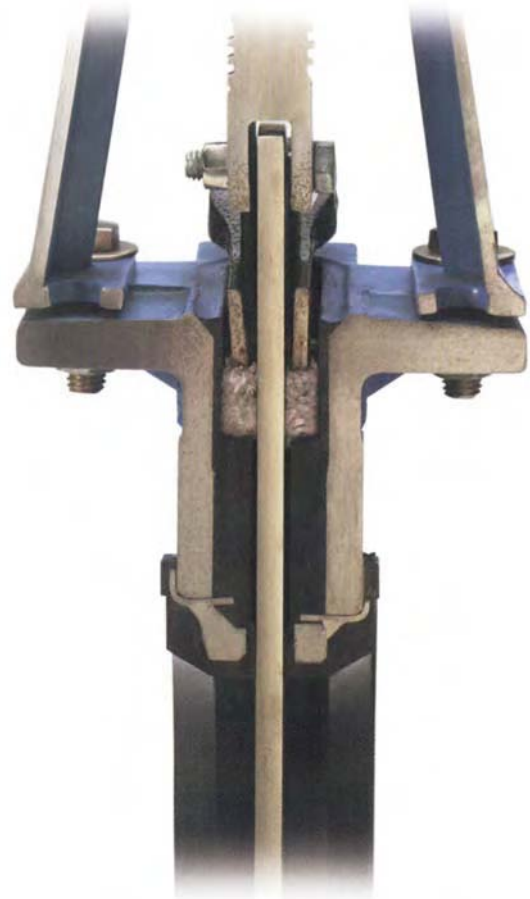


Accessories

A wide variety of accessories are available including handwheel extensions and floorstands, plus various cylinder actuator accessories for customizing the valve/ actuator package to meet specific application requirements.

Heavy-Duty Superstructure

The fabricated superstructure stands up under the most difficult operating conditions.








Corrosion Resistant Yoke Sleeve

An bronze yoke sleeve provides corrosion resistance and assures easy operation. An added grease fitting provides lubricant to the stem thread and yoke sleeve.

Stainless Steel Stem

All valves are furnished with a stainless steel stem as standard for extra corrosion resistance that provides easy operation and long life. The stem has single-lead threads to minimize wear and reduce operating torque requirements of the valve.

DeZURIK is a world leader in innovative valves for the pulp and paper and process industries specializing in globe and rotary control valves, butterfly valves, knife gate valves, consistency transmitters, and actuators and related accessories. Recognizing early on that business success depends on understanding the customer's process from the inside out, we established focused solutions specific to an application.

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|  | <h3>Control Valves</h3> <ul style="list-style-type: none"> ▪ Rotary style to satisfy most process applications ▪ Materials of construction include cast iron, carbon steel, stainless steel and alloys ▪ Rotary valves provide up to 100:1 rangability ▪ Sizing software allows accurate reliable selection for the most cost-effective solution ▪ Enhanced accuracy reduces process variability |
|  | <h3>Butterfly Valves</h3> <ul style="list-style-type: none"> ▪ Model BG2 general service valves provide cost-effective solutions in 2" - 36" sizes ▪ Industrial grade BRS resilient seated valves offer unique offset sealing for long life ▪ Wide variety of actuation and accessories options ▪ High performance valves offer TFE and metal seats for tight shut off to 1000 Deg. F ▪ Rugged designs allow use in high cycle and throttling control applications |
|  | <h3>Knife Gate Valves</h3> <ul style="list-style-type: none"> ▪ Superior gate sealing reduces maintenance and improves service life ▪ Variety of seat options including a wide range of resilient materials and metal ▪ Severe service high performance designs for mining and other rigorous applications ▪ V-Port options for throttling control ▪ Resilient seated KCB model offers bi-directional shut-off to full pressure rating ▪ O-Port designs for shut-off in standing column applications |
|  | <h3>Globe Control Valves</h3> <ul style="list-style-type: none"> ▪ Available in sizes from 1/2" - 10". Class 125-600 ▪ Wide range of body and trim materials and body style ▪ Available three-way valves for mixing and diverting. ▪ Ideally suited for both HVAC commercial, and industrial applications ▪ Complete line of accessories including digital and analog positioners |
|  | <h3>Actuators and Positioners</h3> <ul style="list-style-type: none"> ▪ PowerRac piston actuator offers lifetime warranty ▪ Positioners allow use of all input signals including HART, Fieldbus, and Profibus ▪ Electric actuators available to meet any customer specification |

Common Applications: Pulp Stock, Fly Ash & Bottom Ash, Steam, Chemicals of all types, Black Liquor, Hydrocarbons

SPX[®]
FLOW CONTROL

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxfc.com.

SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Certified drawings are available upon request.