

Elite Valve

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Customized
valve solutions
for the toughest
of applications

E5000 Specialty Knife Gate Valve

Sizes: 2" to 60" | ISO.9001 Certified



E5000 Specialty Knife Gate Valve

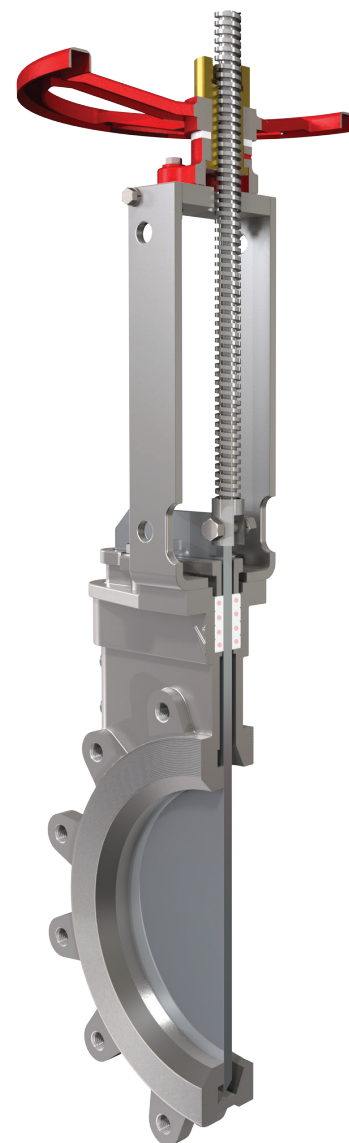
The Elite Valve E5000 Specialty KGV covers the widest range of sizes and materials currently offered by any North American manufacturer. Built 100% in North America using castings from local patterns and designed for strength and versatility.

Standard Design Features

- Sizes available: 2"–60"
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- 304ss stem and yoke
- Braided energized silicone core PTFE packing
- Metal or resilient seat available
- Available with ISO 5211 mounting pad for various actuation packages
- Designed to MSS SP-135 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Fully rated ASME Class 150 (285psi)

Available Options

- Body and gate stocked in 304ss, 316ss, 317ss, 2205ss, 254 SMO, Hastelloy, etc.
- Gate coatings available in Xylan 1070, hard chrome, stellite, etc.
- Open/closed lockout pin and proximity switches
- Alternate seat and packing materials available upon request
- Live loaded packing available
- Pressure bonnet with backing ring seal for in service stem packing replacement
- Non-rising stem
- V-port insert for linear flow control
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric, etc.



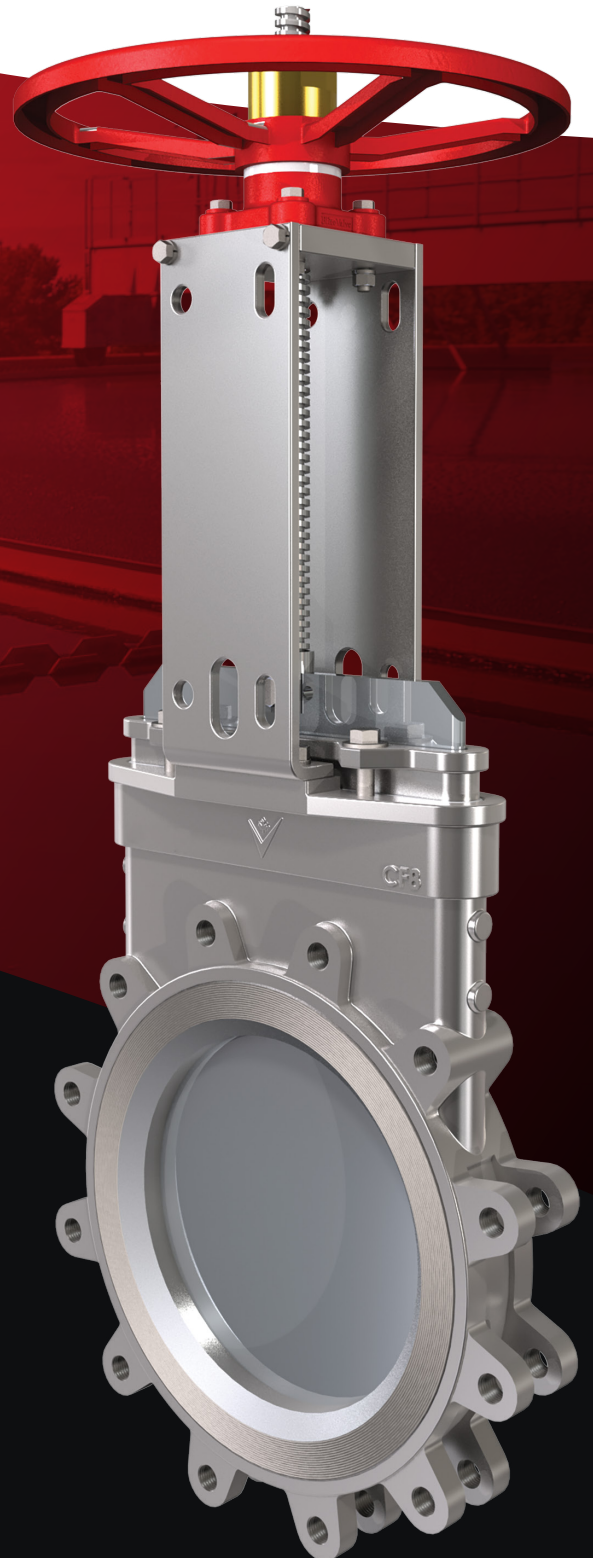
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E5100 Bidirectional General Purpose Knife Gate Valve

Sizes: 2" to 60" | ISO.9001 Certified



E5100 Bidirectional General Purpose Knife Gate Valve

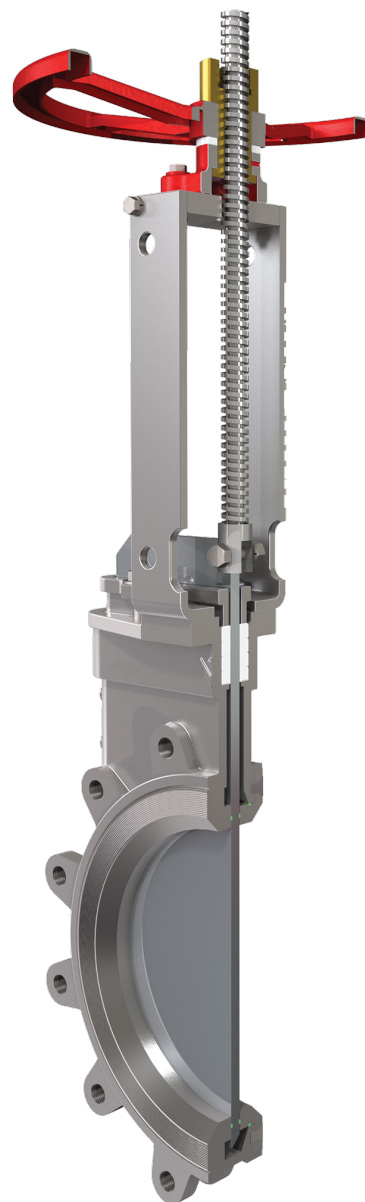
The Elite Valve E5100 Bidirectional General Purpose KGV brings both performance and value to the table. This valve comes standard in either 304SS or 316SS with dual Viton seats. The design complies with AWWA C520, TAPPI-TIS 405, and MSS-SP81 standards.

Standard Design Features

- Sizes available: 2"–24" stock (larger sizes available upon request)
- Handwheel operator standard 2"–24"
- Bevel gear operator standard 30" and above
- Cast 304 or 316 stainless steel construction
- 304ss stem and yoke
- 304 or 316 stainless steel polished bevel gate
- Braided PTFE packing
- Dual Viton seats with replaceable seat ring
- Available with ISO 5211 mounting pad for various actuation packages
- Designed to MSS SP-81 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Sizes 2"–24" rated to 150psi, 24" and above rated to 30psi
- (other pressure ratings available upon request)

Available Options

- High alloy gates available upon request
- Gate coatings available in Xylan 1070, hard chrome, stellite, etc.
- Open/closed lockout pin and proximity switches
- Alternate seat and packing materials available upon request
- Live loaded and energized packing available
- Pressure bonnet with backing ring seal for in service stem packing replacement
- Non-rising stem
- V-port insert for linear flow control
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric, etc.



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E5200 Perimeter Seated Knife Gate Valve

Sizes: 2" to 24" | ISO.9001 Certified



E5200 Perimeter Seated Knife Gate Valve

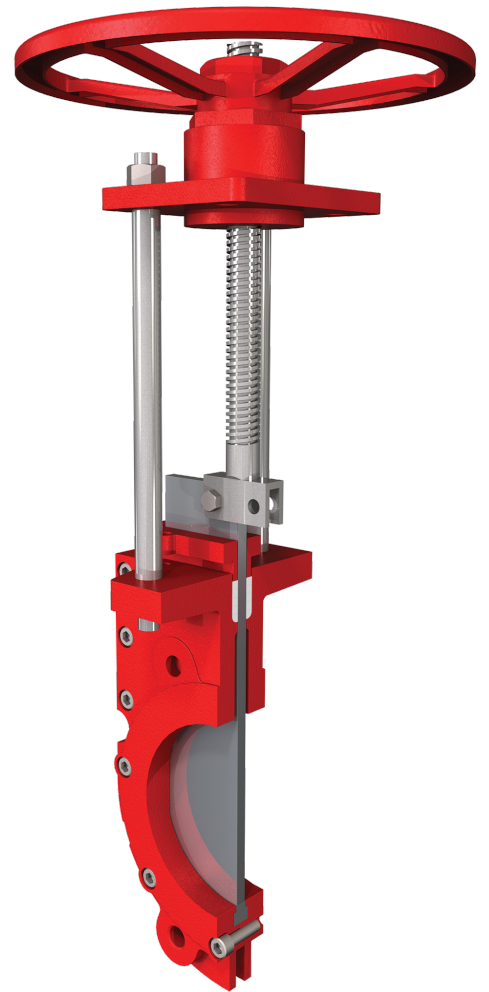
The E5200 Perimeter Seated KGV is a heavy duty perimeter seated valve for abusive applications. Some of the outstanding features include an extra thick body walls for added durability, a fully recessed perimeter seat creating a cavity free, bidirectional zero leakage seal. The valve has been designed to meet MSS SP-81 standards.

Standard Design Features

- Sizes available: 2"–24" stock (other sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Powder coated extra thick ductile iron body with gate supports
- 420ss stem and stanchions
- 304ss polished gate
- Braided PTFE packing with adjustable packing follower
- EPDM cavity free perimeter seat
- Designed to MSS SP-81 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Rated to 250psi in-line service, 150psi dead end service pattern

Available Options

- 316ss gate stocked (higher alloys available upon request)
- Viton perimeter seat
- Energized and/or live loaded packing
- Proximity switches with brackets
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric...



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E5300 Heavy Slurry Knife Gate Valve

Sizes: 2" to 24" | ISO.9001 Certified



E5300 Heavy Slurry Knife Gate Valve

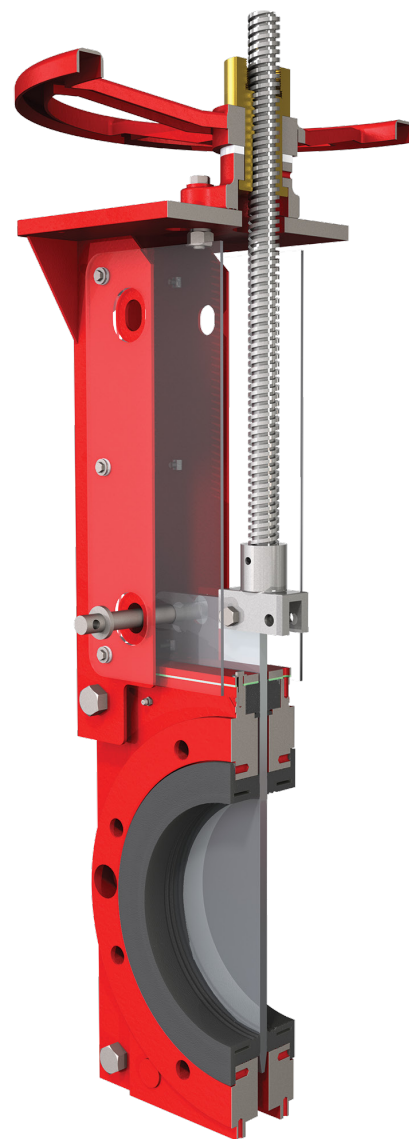
The E5300 Heavy Slurry KGV is designed for mining of all material and gemstone related applications including services that include rocks, heavy slurries, coarse powders and other abrasive materials. It is ideal for any rubber lined piping system.

Standard Design Features

- Sizes available: 2"–24" stock (larger sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Powder coated body, WCB sizes 2"–12", DI sizes 14" and above
- 304ss rolled ACME stem
- 316ss polished bevel gate
- Reinforced natural rubber seat and lubricating wiper
- Fabricated powder coated steel yoke with ISO 5211 mounting patterns for various actuation packages
- Open/closed lockout pin and acrylic dust cover
- Designed to MSS SP-135 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- 2"–16" seats rated to 200psi, 18" and above rated to 90psi

Available Options

- Gates stocked in hardened 410ss (higher alloys available upon request)
- Gate coatings available in Xylan 1070, hard chrome, stellite etc...
- O-Port (through conduit gate) with safety screen
- Seats available in BUNA-N, HNBR, urethane etc...
- Drain plate with flushing ports
- Proximity switches
- Stem boot
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric etc...



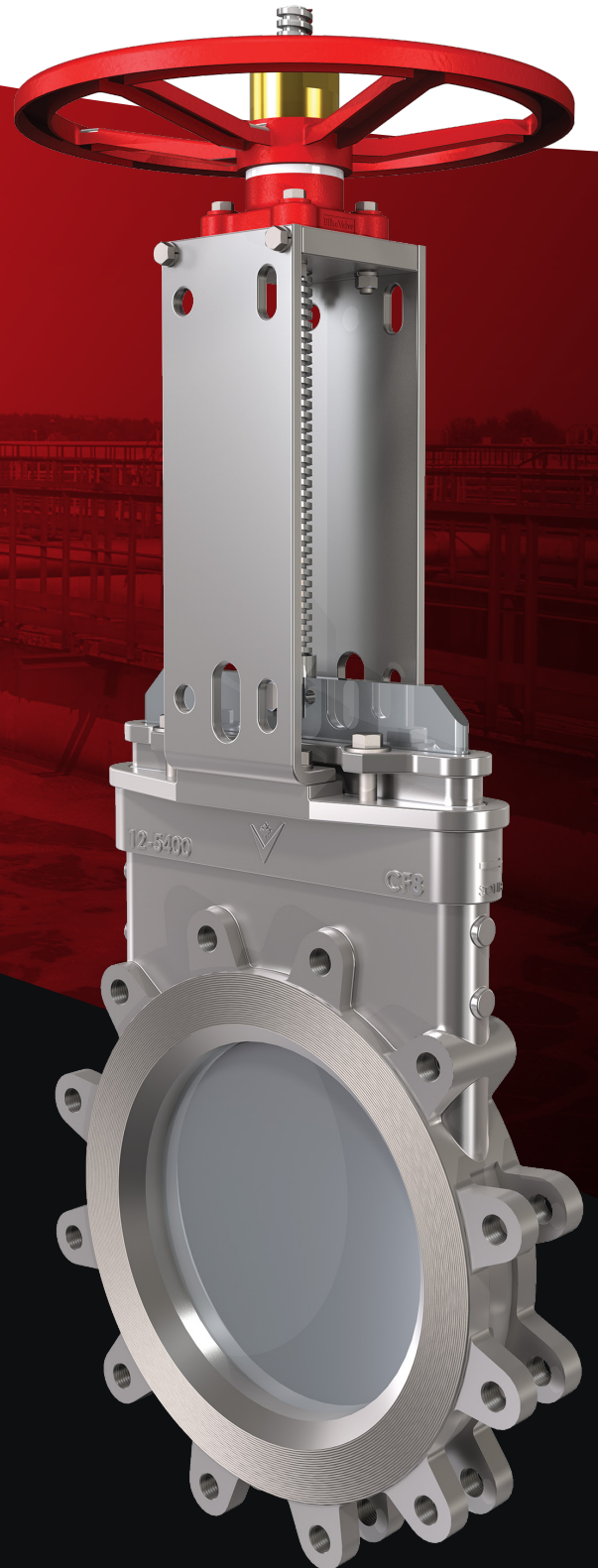
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E5400 General Purpose Knife Gate Valve

Sizes: 2" to 60" | ISO.9001 Certified



E5400 General Purpose Knife Gate Valve

The Elite Valve E5400 General Purpose KGV brings both performance and value to the table. This valve comes standard in either 304SS or 316SS with metal or Viton seats. The design complies with AWWA C520, TAPPI-TIS 405, and MSS-SP81 standards.

Standard Design Features

- Sizes available: 2"–30" stock (larger sizes available upon request)
- Handwheel operator standard 2"–24"
- Bevel gear operator standard 30" and above
- Cast 304 or 316 stainless steel construction
- 304ss stem and yoke
- 304 or 316 stainless steel polished bevel gate
- Braided PTFE packing
- Metal or Viton seats
- Available with ISO 5211 mounting pad for various actuation packages
- Reverse flow gate supports on sizes 12" and above
- Designed to MSS SP-81 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Sizes 2"–24" rated to 150psi, 24" and above rated to 30psi
- (other pressure ratings available upon request)

Available Options

- High alloy gates available upon request
- Gate coatings available in Xylan 1070, hard chrome, stellite, etc.
- Alternate seat and packing materials available upon request
- Live loaded and energized packing available
- Pressure bonnet with backing ring seal for in service stem packing replacement
- Non-rising stem
- V-port insert for linear flow control
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric, etc.



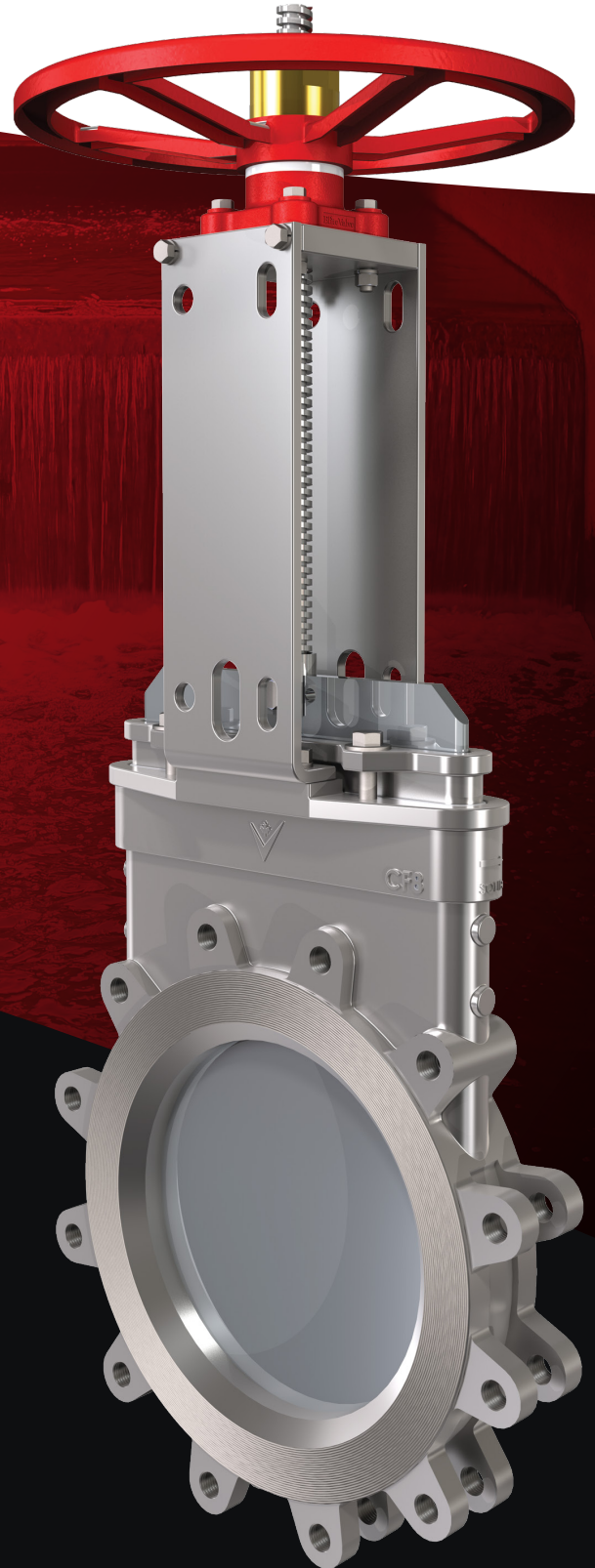
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E5500 High Performance Knife Gate Valve

Sizes: 2" to 24" | ISO.9001 Certified



E5500 High Performance Knife Gate Valve

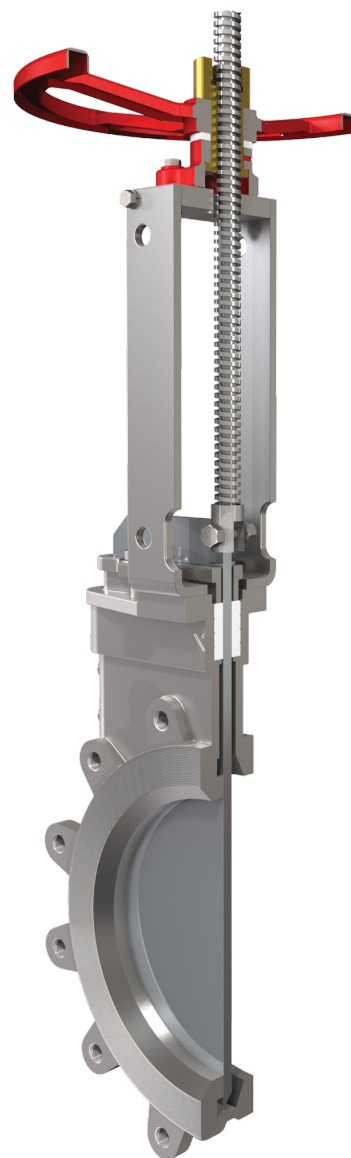
The E5500 High Performance KGV brings both performance and value to the table. It comes standard in either 304ss or 316ss, with metal or Viton seats. The E5500 is fully rated to ASME Class 150 (285psi) and is designed to MSS-SP135.

Standard Design Features

- Sizes available: 2"–12" (other sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Cast 304 or 316 stainless steel body
- 304ss rolled ACME stem
- Hardened RC50 gate and seat ring standard
- Self flushing seat design with gate wedge blocks
- Cast 304ss yoke with ISO 5211 mounting pattern for various actuation packages
- Energized PTFE braided PTFE packing standard
- Open/closed lockout pin
- Designed to MSS SP-135 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Fully rated ASME Class 150 (285psi)

Available Options

- Gates stocked in hardened 410ss (higher alloys available upon request)
- Gate coatings available in Xylan 1070, hard chrome, stellite etc...
- High temperature graphite packing
- Live loaded packing
- Proximity switches
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric etc...



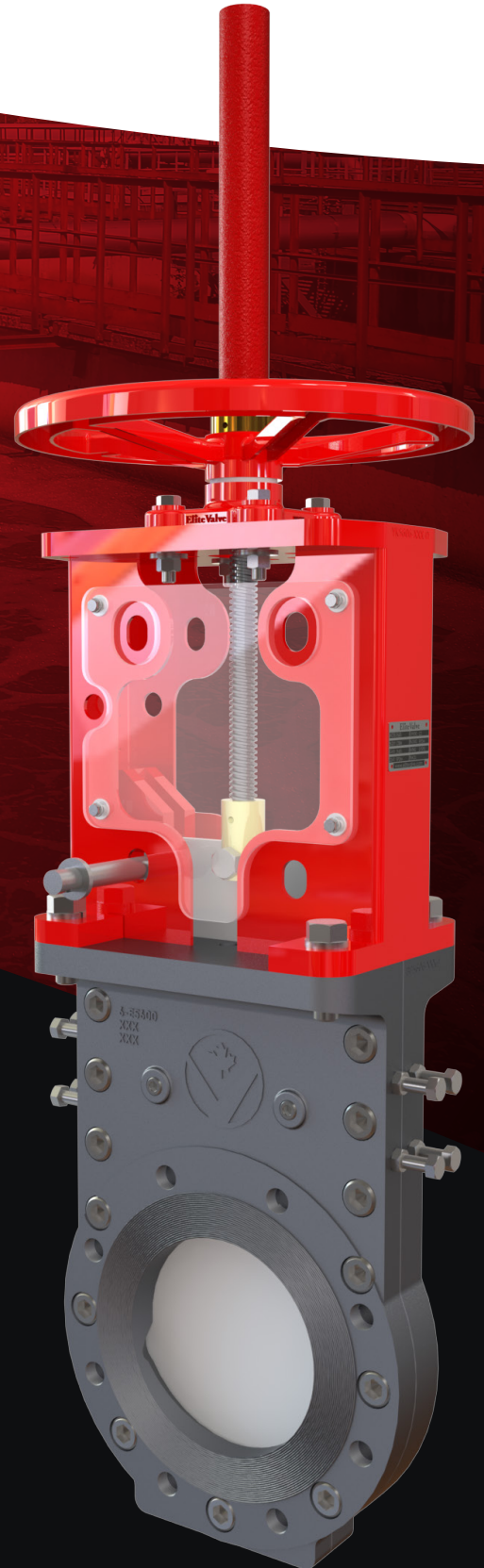
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E5600 High-Performance Perimeter Seated Knife Gate Valve

Sizes: 2" to 48" | ISO.9001 Certified



E5600 High-Performance Perimeter Seated Knife Gate Valve

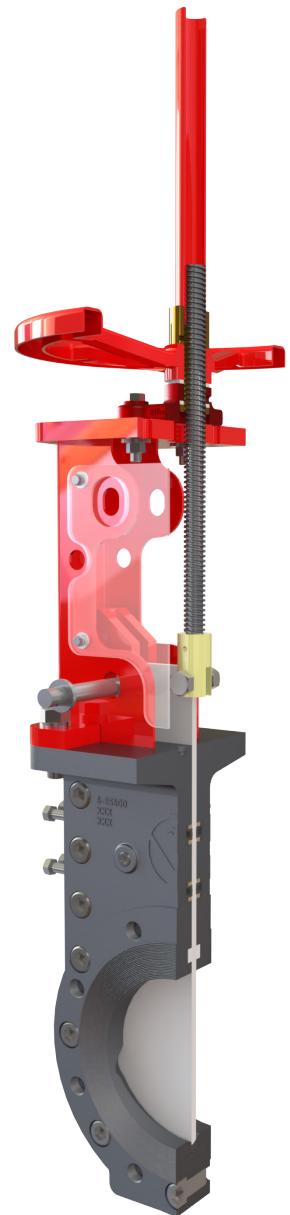
The E5600 High Performance Perimeter Seated KGV provides ASME Class 150 bidirectional zero leakage shutoff in line or dead end service. It can handle clean or heavy slurries in highly alkaline or acidic solutions. The E5600 highly customizable and dependable, making it the ideal solution for a wide range of industries.

Standard Design Features

- Sizes available: 2"–24" (other sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Cast 316ss body
- 304ss rolled ACME stem
- 316ss polished gate
- Cavity free dual resilient and metal seat available in Aflas, EPDM, Viton-B stocked
- Fabricated powder coated steel yoke with ISO 5211 mounting patterns for various actuation packages
- Open/closed lockout pin and acrylic dust cover
- Designed to MSS SP-135 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Fully rated ASME Class 150 (285psi)

Available Options

- Gates stocked in hardened 410ss (higher alloys available upon request)
- Gate coatings available in Xylan 1070, hard chrome, stellite etc...
- Bolt on pressure bonnet with drain ports
- Secondary transverse seal
- Proximity switches
- Stem boot
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric etc...



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E5700 Aggressive Process Knife Gate Valve

Sizes: 2" to 14" | ISO.9001 Certified



E5700 Aggressive Process Knife Gate Valve

The E5700 Aggressive Process KGV takes the traditional knife gate valve to the next level. With a hardened gate and seat ring, the E5700 can handle the most demanding applications.

Standard Design Features

- Sizes available: 2"–12" (other sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Cast 304 or 316 stainless steel body
- 304ss rolled ACME stem
- Hardened RC50 gate and seat ring standard
- Self flushing seat design with gate wedge blocks
- Cast 304ss yoke with ISO 5211 mounting pattern for various actuation packages
- Energized braided PTFE packing
- Open/closed lockout pin
- Designed to MSS SP-135 dimensions
- Open/closed lockout pin
- Designed to MSS SP-135 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Fully rated ASME Class 150 (285psi)

Available Options

- Gates stocked in hardened 410ss (higher alloys available upon request)
- Gate coatings available in Xylan 1070, hard chrome, stellite etc...
- High temperature graphite packing
- Live loaded packing
- Proximity switches
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric etc...



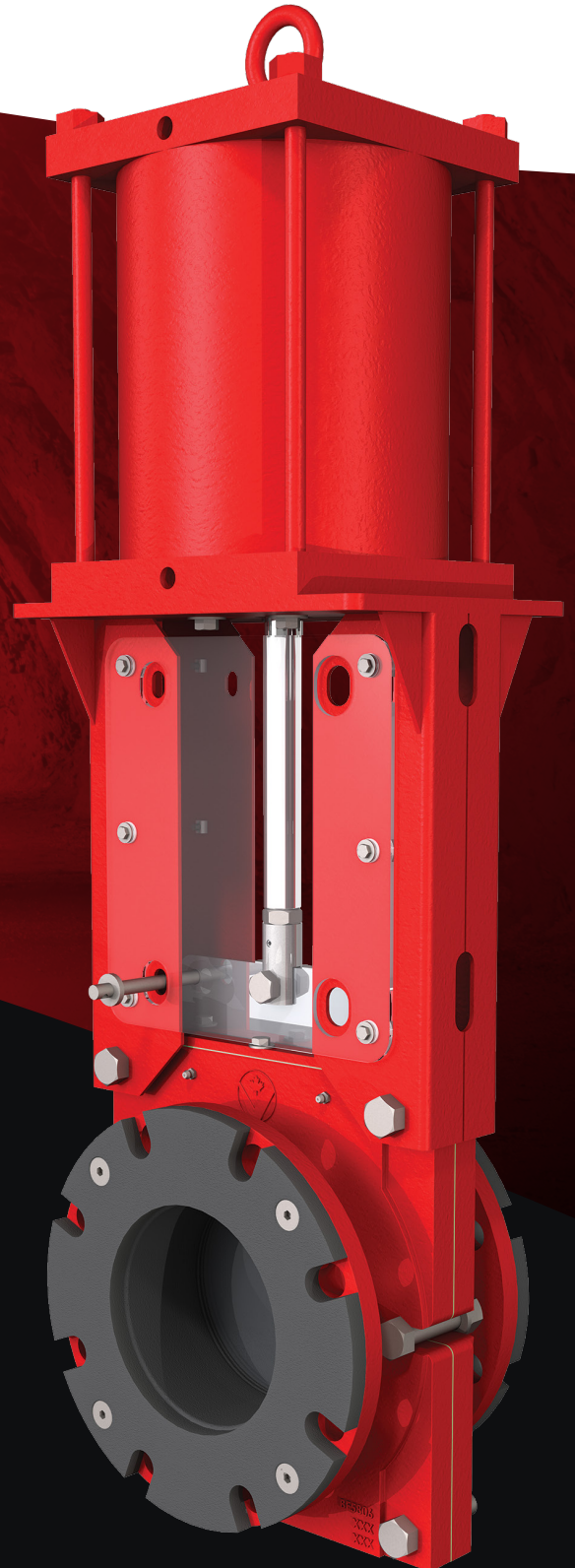
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E5800 Flanged Heavy Slurry Knife Gate Valve

Sizes: 2" to 24" | ISO.9001 Certified



E5800 Flanged Heavy Slurry Knife Gate Valve

The E5800 Double Flanged Heavy Slurry KGV is designed for mining of all material and gemstone related applications including services that include rocks, heavy slurries, coarse powders and other abrasive materials. It is ideal for any rubber lined piping system.

Standard Design Features

- Sizes available: 2"–12" stock (larger sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Powder coated DI body
- 304ss rolled ACME stem
- 316ss polished bevel gate
- Reinforced natural rubber seat with retaining rings and lubricating wiper
- Fabricated powder coated steel yoke with ISO 5211 mounting patterns for various actuation packages
- Open/closed lockout pin and acrylic dust cover
- ASME B16.5 Class 150 flange bolt pattern
- 2"–24" seats rated to 150psi (other pressure ratings available upon request)

Available Options

- Gates stocked in hardened 410ss (higher alloys available upon request)
- Gate coatings available in Xylan 1070, hard chrome, stellite etc...
- O-Port (through conduit gate) with safety screen
- Seats available in BUNA-N, HNBR, urethane etc...
- Drain plate with flushing ports
- Proximity switches
- Stem boot
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric etc...



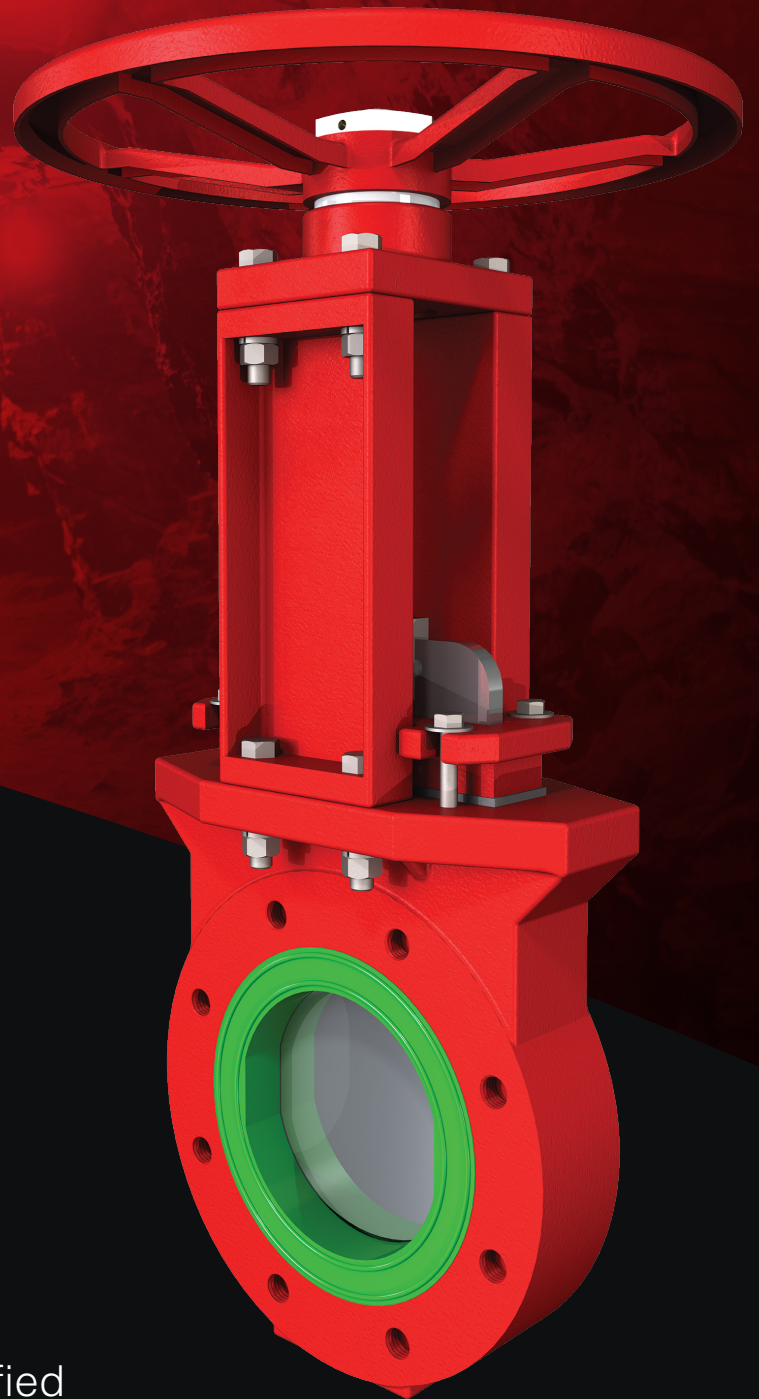
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E5900 Urethane Lined Knife Gate Valve

Sizes: 2" to 24" | ISO.9001 Certified



E5900 Urethane Lined Knife Gate Valve

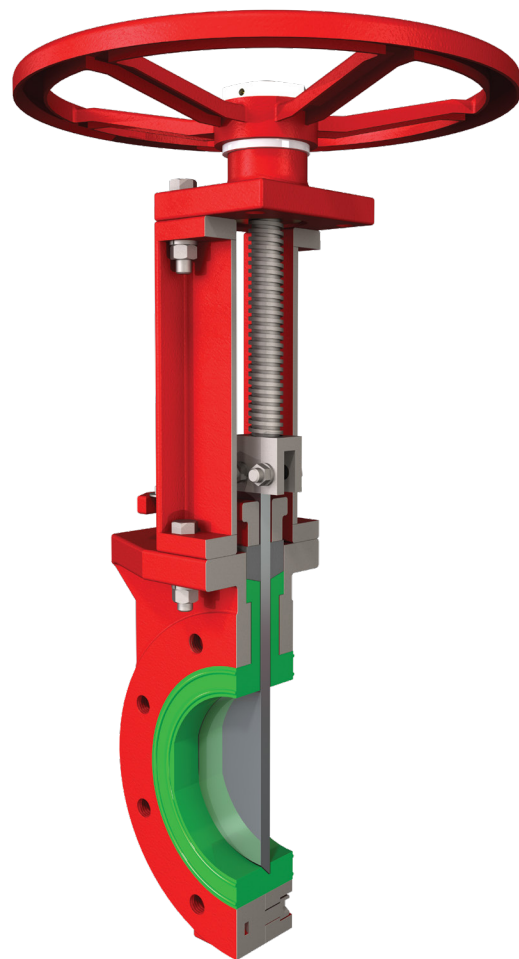
The E5900 Urethane Lined KGV is fully lined with molded high-quality urethane, which far exceeds the wear life of gum rubber and other softer sleeve materials, along with a hard chrome plated gate makes the E5900 the perfect valve for erosive fine particle applications.

Standard Design Features

- Sizes available: 2"–24" (larger sizes available upon request)
- Handwheel operator standard 2"–12"
- Bevel gear operator standard 14" and above
- Cast ductile iron powder coated body
- 304ss stem
- 304ss thick chrome coated polished gate
- Replaceable urethane liner cartridge
- Self flushing beveled gate seal
- Fabricated powder coated steel yoke with ISO 5211 mounting patterns for various actuation packages
- Designed to MSS SP-85 dimensions
- ASME B16.5 Class 150 flange bolt pattern
- Rated to 150psi (other pressure ratings available upon request)

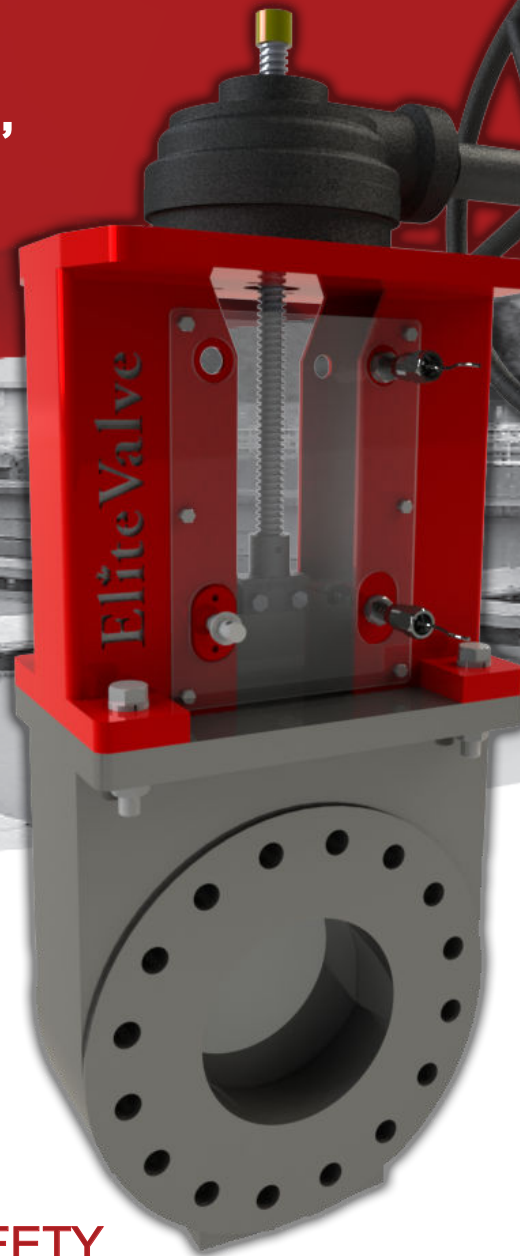
Available Options

- Higher alloy gates and coatings available upon request
- Variety of liners available
- Lockout pin
- Proximity switches
- Actuators include handwheel, bevel gear, pneumatic/hydraulic cylinder, electric, etc.



E6600 PERIMETER SEATED

SIZES AVAILABLE: 2" - 24"



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E6600 SERIES KNIFE GATE VALVE

ELITE SERIES E6600

The E6600 High Performance Perimeter Seated Knife Gate Valve provides Class 300 bi-directional zero leakage shutoff at dead end service.

DESIGN AND CONSTRUCTION

Standard Body Configuration Design: ASME Class 300 full flange

Body Materials: solid investment cast 316SS and high alloys

316 stainless steel gate, fabricated steel yoke, epoxy powder coated
optional stainless steel yoke or stainless steel stanchions

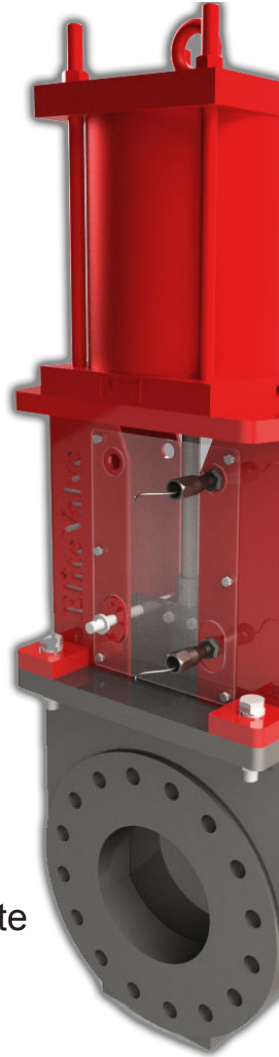
Perimeter Seat Ring: Standard EPDM, and Viton, Neoprene optional

Flange Drilling: ANSI Class 300

Pressure Rating: Size 2" - 24" Class 300

AVAILABLE OPTIONS

- Cast / Fabricated 2-24"
- Bi-Directional Shut Off
- Dual Horizontal OMEGA Gate Seal
- 304SS Rising Stem
- Optional Non - Rising Stem
- Transparent Polycarbonate Safety Yoke Covers
- Full Port
- Guided gate
- 316SS Ground and Polished Gate
- Standard Open/Close Lockouts

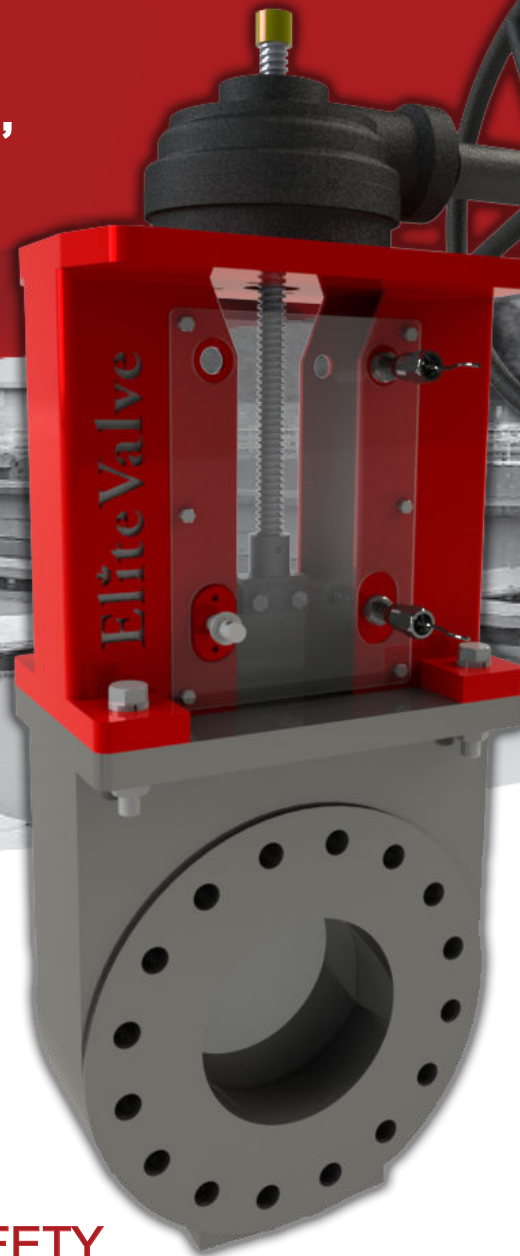


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E7600 PERIMETER SEATED

SIZES AVAILABLE: 2" - 24"



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E7600 SERIES KNIFE GATE VALVE

ELITE SERIES E7600

The E7600 High Performance Perimeter Seated Knife Gate Valve provides bi-directional zero leakage shutoff at dead end service, up to 1500 PSI. (ASME ISO)

DESIGN AND CONSTRUCTION

Standard Body Configuration Design: ASME Class 600 full flange

Body Materials: solid investment cast 316SS and high alloys

316 stainless steel gate, fabricated steel yoke, epoxy powder coated
optional stainless steel yoke or stainless steel stanchions

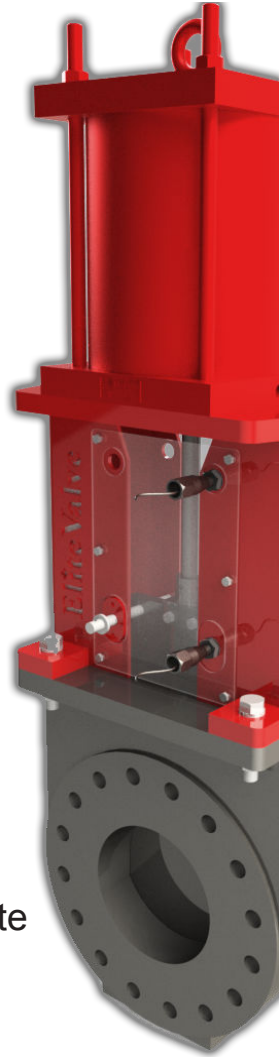
Perimeter Seat Ring: Standard EPDM, and Viton, Neoprene optional

Flange Drilling: ANSI Class 600

Pressure Rating: Size 2" - 24" 1500 PSI shutoff, carbon steel full ASME rated
suitable for dead-end service Cast

AVAILABLE OPTIONS

- Cast 2-12"
- Fabricated 14" - 24"
- Bi-Directional Shut Off
- Dual Horizontal OMEGA Gate Seal
- 304SS Rising Stem
- Optional Non - Rising Stem
- Non-rising stem complete with operating nut or hand wheel.
- Transparent Polycarbonate Safety Yoke Covers
- Full Port
- Guided gate
- 316SS Ground and Polished Gate
- Standard Open/Close Lockouts



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