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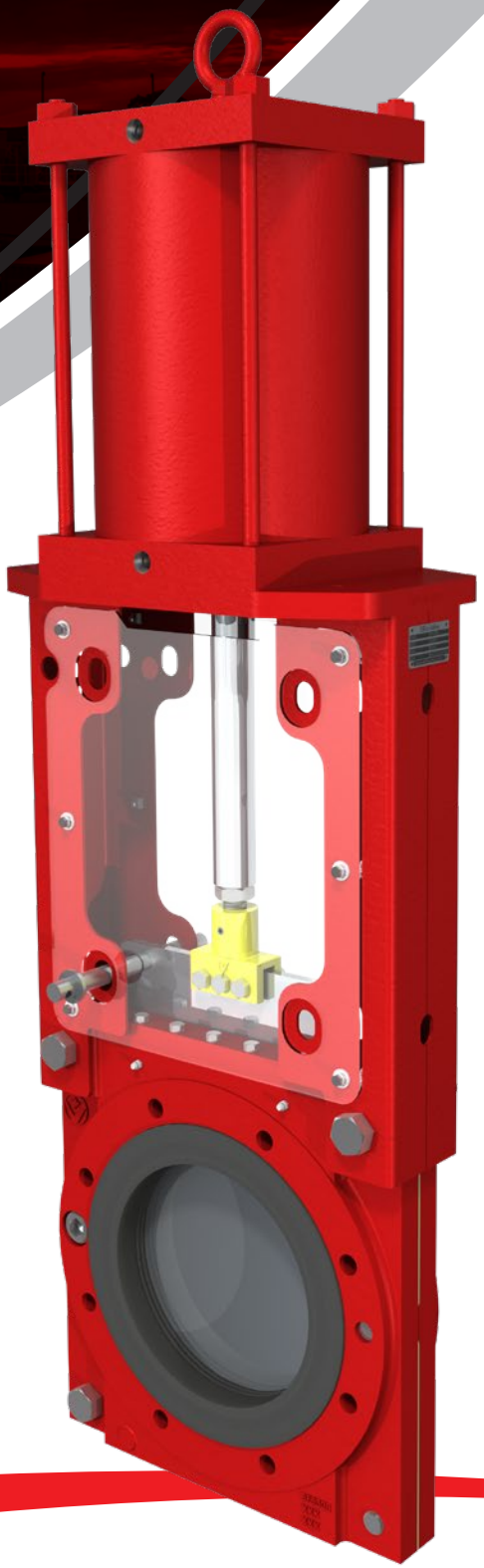

E5300 Heavy Slurry Knife Gate Valve

Product Brief

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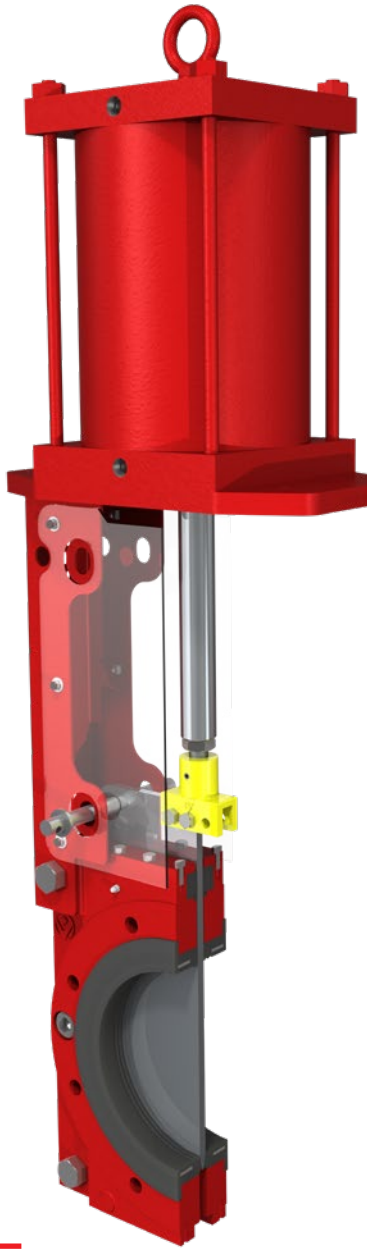
E5300 Heavy Slurry Knife Gate Valve

The E5300 Heavy Slurry KGV is specifically designed for the mining and mineral processing industries. The double-seat, cavity free design ensures reliable, bidirectional, shut-off in demanding applications that include heavy slurries, rocks, coarse powders, and other abrasive materials. The E5300 is ideally suited for any rubber lined piping application.



Sizes Available

2” to 24” (50mm to 600mm)
(larger sizes available on request)

Standard Design & Construction

- Ductile iron body
- Steel reinforced natural rubber seats and wiper (EPDM optional)
- Polished 316SS gate
- 304SS stem
- Heavy duty yoke with safety screens and lockout pin

Pressure Rating

- 2” to 16” = 150psi
- 18” to 24” = 90psi

Temperature Rating

Natural Rubber seats
-58°F to 158°F (-50°C to 70°C)
EPDM seats
–22°F to 300°F (–30°C to 150°C)

Standards and Approvals

Flanges:	ASME B16.5
Testing:	API 598
Markings:	MSS SP-25
Mounting:	ISO 5211
Quality:	ISO 9001:2015
Registration:	CRN

Key Features & Benefits

- Double-seat, cavity free design allows bidirectional flow/shut-off and eliminates material buildup
- Steel reinforced, natural rubber seats provide zero downstream leakage and are field replaceable to minimize downtime
- Full port opening allows maximum throughput and minimizes pressure drop
- Lubricating wiper ensures smooth gate operation
- Lockout pin and safety covers, included as standard, ensure operator and maintenance safety
- High visibility clevis provides easy identification of valve position
- ISO 5211 mounting pattern allows direct mounting of various actuation options
- Grease fitting on handwheel bearing reduces operating torques

Options & Accessories

- Alternate gate materials including 17-4PH, and Duplex, for improved corrosion resistance
- Specialty gate treatments and coatings including Boronizing, Xylan®, and hard chrome for improved wear resistance
- Alternate seat materials including HNBR, or EPDM for process compatibility
- Pneumatic or hydraulic cylinders and electric actuators for automated or remote control
- Proximity sensors for gate position feedback
- Drain plates for containing and clearing process fluid discharge
- Bellows stem protector to ensure reliability and operability in dirty environments

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