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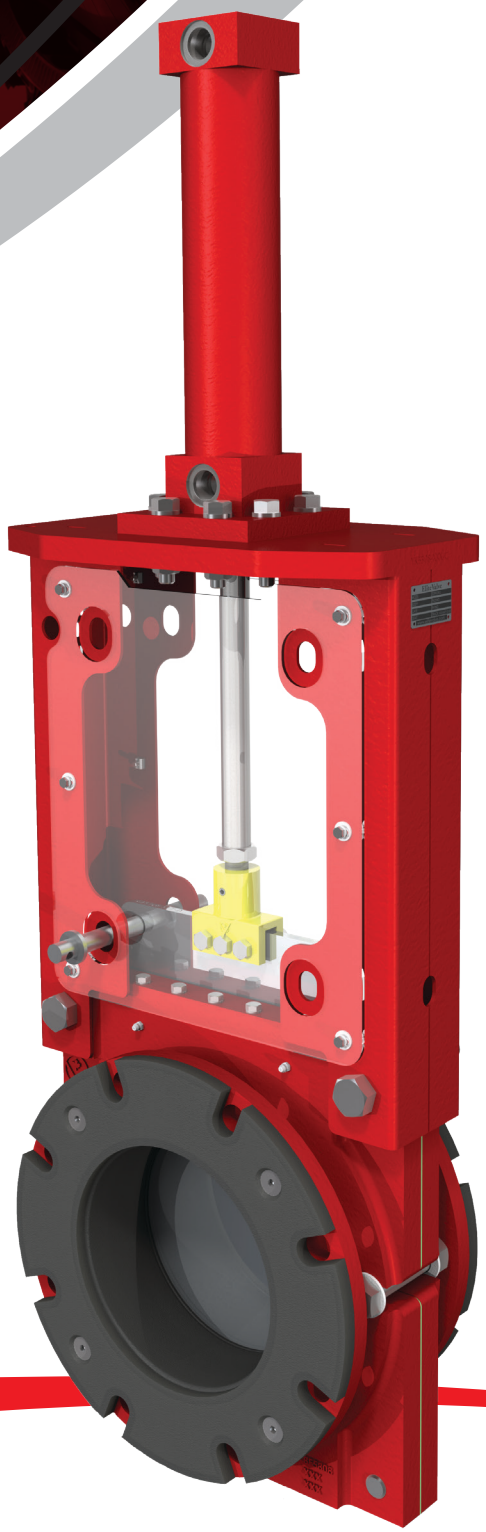

E5800
Heavy Slurry, Wide Body Knife Gate Valve

Product Brief

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E5800 Heavy Slurry, Wide Body Knife Gate Valve

The E5800 knife gate valve is specifically designed for heavy slurry use in 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, tailings, and other abrasive materials. The E5800 is ideally suited for any rubber lined piping application.

Sizes Available

3” to 60” (50mm to 1500mm)
(larger sizes available on request)

Pressure Rating

3” to 24” = 100psi
26” to 42” = 75psi
48” to 54” = 50psi
60” = 30psi

Standard Design & Construction

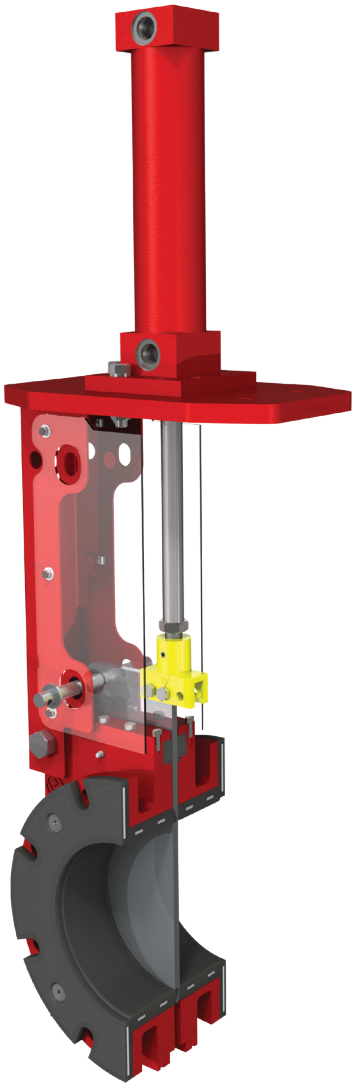
- Ductile Iron Body
- Steel reinforced natural rubber seats and wiper (EPDM optional)
- Polished 316SS gate
- 304SS stem
- Heavy duty yoke with safety screens end lockout pin

Temperature Rating

Natural Rubber Seat
-58°F to 158°F (-50°C to 70°C)
EPDM Seat
–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
- Provision for proximity style position sensors allow easy integration for position feedback.
- ISO 5211 mounting pattern allows direct mounting of various actuation options

Options & Accessories

- Higher alloy or hardened gates including 17-4PH, and Duplex for improved corrosion and wear resistance
- Specialty gate coatings including Xylan 1070, or hard chrome for improved wear resistance
- Proximity switches for gate position feedback
- Stem boot to ensure reliable actuation in adverse conditions
- Drain plate with flushing ports to prevent material buildup

19-0004-V113

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