

Elite Valve

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E7600 High Performance Class 600 Knife Gate Valve

Product Brief



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The E7600 High Performance KGV is specifically designed for high pressure applications in the mining, and oil & gas industries. The perimeter seat and dual transverse seal design ensures reliable, bidirectional shut-off for slurries, dry materials, gases, and corrosive fluids. The E7600 can be configured and customized for many types of severe service and aggressive process applications.

Features & Benefits

- Perimeter style seat provides reliable, bidirectional flow/shutoff for zero downstream leakage
- Full port opening allows maximum throughput and minimizes pressure drop
- Transverse seat design with scrapers reduces material build-up and provides reliable sealing
- Positive gate stop ensures seat integrity is maintained
- Flushing ports allow elimination of material buildup
- Lockout pin and safety covers, included as standard, ensures operator and maintenance safety
- High visibility clevis provides easy identification of valve position
- Provision for proximity sensors allows easy integration of position feedback
- ISO 5211 mounting pattern allows direct mounting of various actuation options
- Grease fitting on handwheel bearing reduces operating torques



Technical Details & Standards

- Standard sizes available: 2"–36" (larger sizes available on request)
- Standard WCB or 316SS body
- Polished 17-4PH gate
- 17-4PH stem with rolled ACME threads
- Heavy duty yoke with safety screens
- BUNA-N resilient seat
- BUNA-N transverse seals with phenolic scrapers and PTFE energizer
- Pressure rating as per ASME Class 600
- ASME B16.5 flange pattern (alternate flange patterns available on request)
- Designed and tested per MSS SP-135
- Canadian CRN

Options & Accessories

- High alloy body materials such as 317SS, 2205SS, 2507SS, or titanium for improved corrosion resistance
- High alloy or hardened seat ring and gates including 317SS, 2205SS, 2507SS, RC50, Inconel 625, or titanium for improved corrosion and wear resistance
- Alternate seat materials including Aflas, Viton, or EPDM for process compatibility
- Specialty gate and body coatings including TDP5, Nedox, Xylan, and hard chrome for improved corrosion and wear resistance
- Pneumatic or hydraulic cylinders, and electric actuators for automated or remote control
- Bevel gearbox for easy manual operation
- Proximity switches for gate position feedback



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