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E5700 Aggressive Process Knife Gate Valve

Product Brief

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The E5700 Aggressive Process KGV is designed and configured specifically for use in high wear industrial, and pulp & paper applications. The unidirectional, Class 150 design features a replaceable, hardened gate and seat ring to provide reliable cutting action in challenging applications that include fibrous materials. The E5700 can also be fitted with a serrated seat option for use on recycling applications.

Features & Benefits

- Hardened seat and gate materials provide reliable cutting action
- Optional serrated seat to handle metal wire in recycling applications
- Beveled gate design ensures pressure independent process seal
- Lockout pin provision ensures operator and maintenance safety
- Provision for proximity sensors allows easy integration for position feedback
- ISO 5211 mounting pattern allows direct mounting of various actuation options
- Grease fitting on hand wheel bearing reduces manual operating torques

Technical Details & Standards

- Standard sizes available: 2”- 12” (larger sizes available on request)
- Cast 316SS body
- Hardened gate material as standard
- 304SS stem
- 304SS yoke with ISO 5211 mounting pattern
- Hardened seat material (optional serrated seat)
- Energized PTFE packing with adjustable packing follower
- Pressure rating as per ASME Class 150
- Fully lugged, ASME B16.5 flange pattern (alternate flange patterns available on request)
- Meets MSS SP-135 design requirements
- Canadian CRN

Options & Accessories

- Specialty gate and seat coatings for improved wear resistance
- Packing scrapers for reduced maintenance
- Graphite packing for higher temperature applications
- Live loaded packing for reduced maintenance
- Resilient seat for zero leakage
- Purge ports to prevent material buildup
- Pneumatic or hydraulic cylinders, and electric actuators for automated or remote control
- Bevel gearbox for easy manual operation
- Proximity switches for gate position feedback

CERTIFIED ISO 9001:2015 Certech COMPANY

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2305 Wyecroft Road, Oakville, Ontario L6L 6R2
sales@elitevalve.com | Main: **(519) 756-3100** | Toll free **(888) 339-7758**

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