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E5500 High Temperature Class 150 Knife Gate Valve

Product Brief

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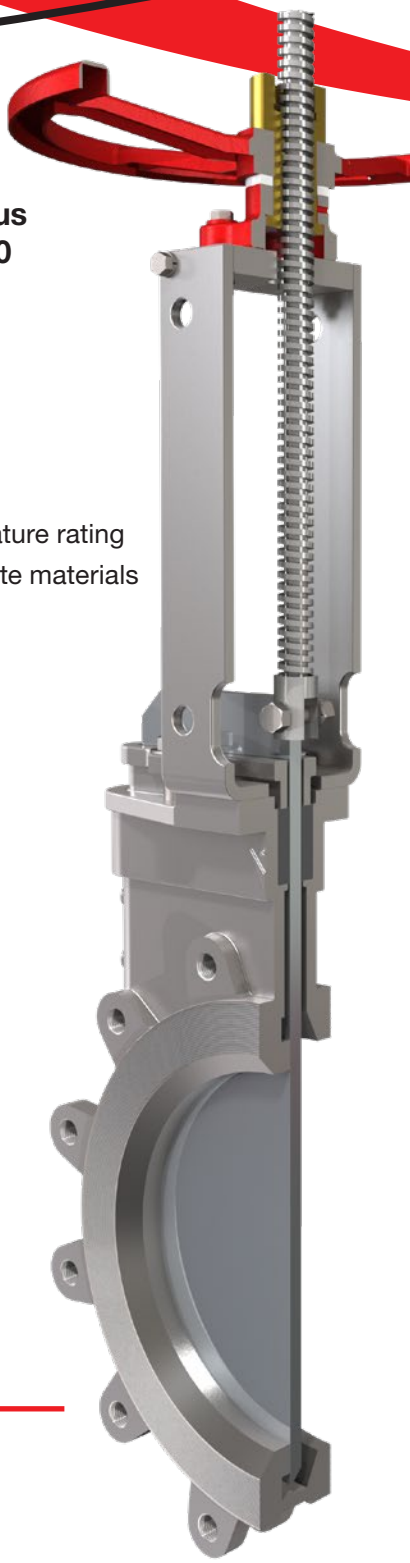
E5500 High Temperature Knife Gate Valve

The E5500 knife gate valve is designed and configured specifically for use in industrial applications with high process temperatures. The unidirectional, Class 150 design with resilient seat is a reliable solution for controlling various types of fluids. Configured with a metal seat and graphite packing, the E5500 is suitable for temperatures up to 1200°F (650°C).



Sizes Available

2” to 12” (50mm to 300mm)
(larger sizes available on request)

Standard Design & Construction

- CF8M body
- Resilient or metal seat
- Inconel reinforced graphite packing
- Special alloy gate
- 304SS stem
- 304SS yoke with provision for lockout pin and position sensors

Pressure Rating

ASME Class 150

Temperature Rating

- 900°F (480°C) standard temperature rating
- 1200°F (650°C) max with alternate materials

Standards and Approvals

Design:	MSS SP-135, ASME B16.34
Flanges:	ASME B16.5
Testing:	API 598
Markings:	MSS SP-25
Mounting:	ISO 5211
Quality:	MSS SP-55, ISO 9001:2015
Registration:	CRN

Key Features & Benefits

- Manufactured from select materials for high temperature resistance
- Beveled gate design ensures pressure independent process seal
- Lockout pin provision ensures operator and maintenance safety
- 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 manual operating torques

Options & Accessories

- Alternate gate materials for higher temperatures
- Specialty gate and seat coatings for improved wear resistance
- Live loaded packing for reduced maintenance
- 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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