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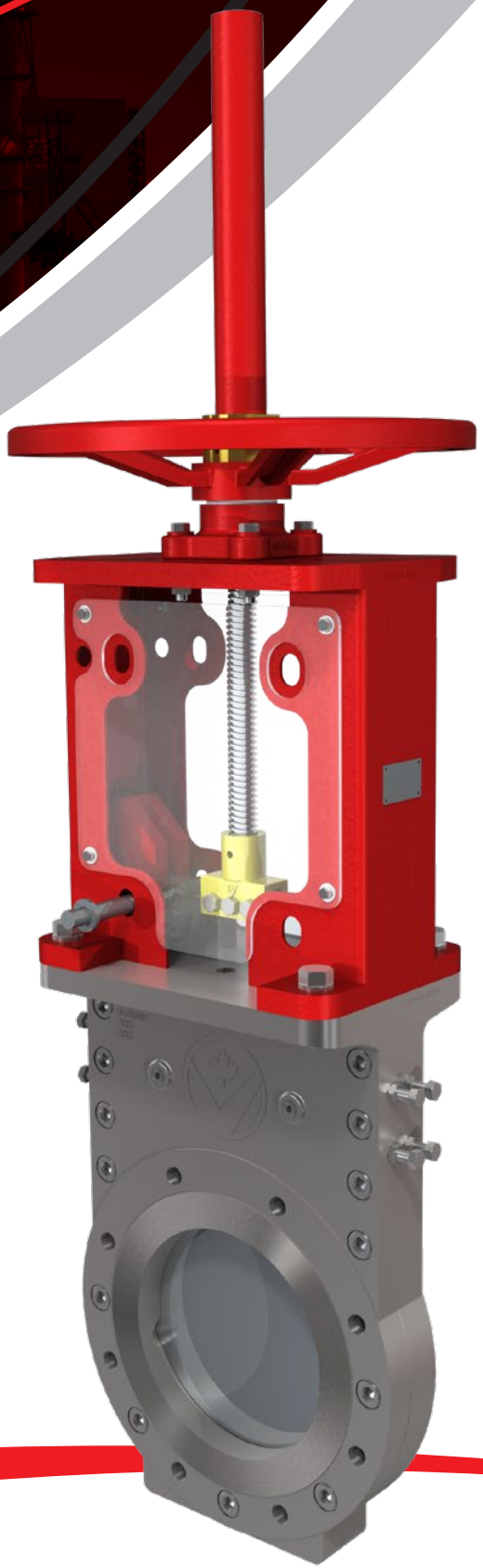

E5600 High Performance Class 150 Knife Gate Valve

Product Brief

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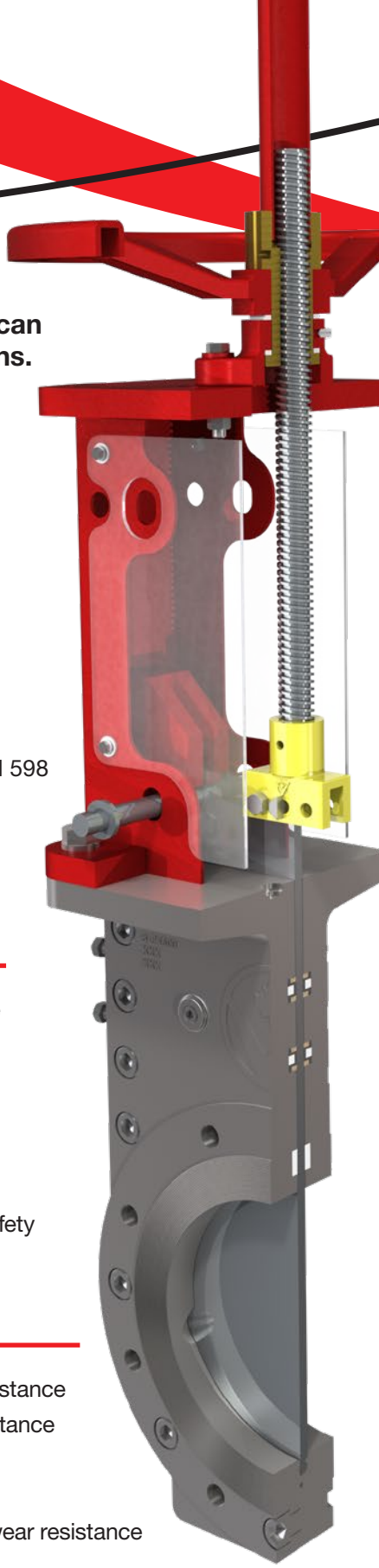
E5600 High Performance Class 150 KGV



The E5600 High Performance Knife Gate Valve is specifically designed for applications such as slurries, dry materials, gases, and corrosive fluids. It can be configured and customized for many types of severe service applications.

Sizes Available

2" to 48" (50mm to 1200mm)
(larger sizes available on request)

Standard Design & Construction

- Ni-Resist body with Xylan® 1070 coating or 316SS body
- AFLAS® perimeter seat
- AFLAS® transverse seals with phenolic scrapers and PTFE injectable packing
- Polished 316SS gate
- 304SS stem with rolled ACME threads
- Heavy duty yoke with safety screens

Pressure Rating

ASME Class 150

Temperature Rating

As per seat and seal material

Standards and Approvals

Design:	MSS SP-135, ASME B16.34
Flanges:	ASME B16.5, B16.47 Series A
Testing:	MSS SP-151, API 598
Markings:	MSS SP-25
Quality:	MSS SP-55, ISO 9001:2015
Registration:	CRN

Key Features & Benefits

- Perimeter style seat provides reliable, bidirectional flow/shutoff with zero downstream leakage
- Dual transverse seal design with scrapers provides reliable, redundant sealing
- Full port opening allows maximum throughput and minimizes pressure drop
- Secondary metal seat with shearing edge for improved reliability
- Atmospheric seal ensures process media remains contained
- Positive gate stop ensures seat integrity is maintained
- Safety screens and lock-out pin included as standard to ensure operator and maintenance safety

Options & Accessories

- Alternate body materials such as LCC, Duplex, or titanium for improved wear or corrosion resistance
- Alternate gate materials including Duplex, Hastelloy®, or titanium for improved corrosion resistance
- Hardened gates and seat rings for improved wear resistance
- Alternate seat materials including Viton®, FFKM, NBR, or EPDM for process compatibility
- Specialty coatings including Nedox®, Xylan®, and hard chrome for improved corrosion and wear resistance
- Pneumatic or hydraulic cylinders and electric actuators for automated or remote control
- Proximity sensors for gate position feedback

19-0039-V18

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