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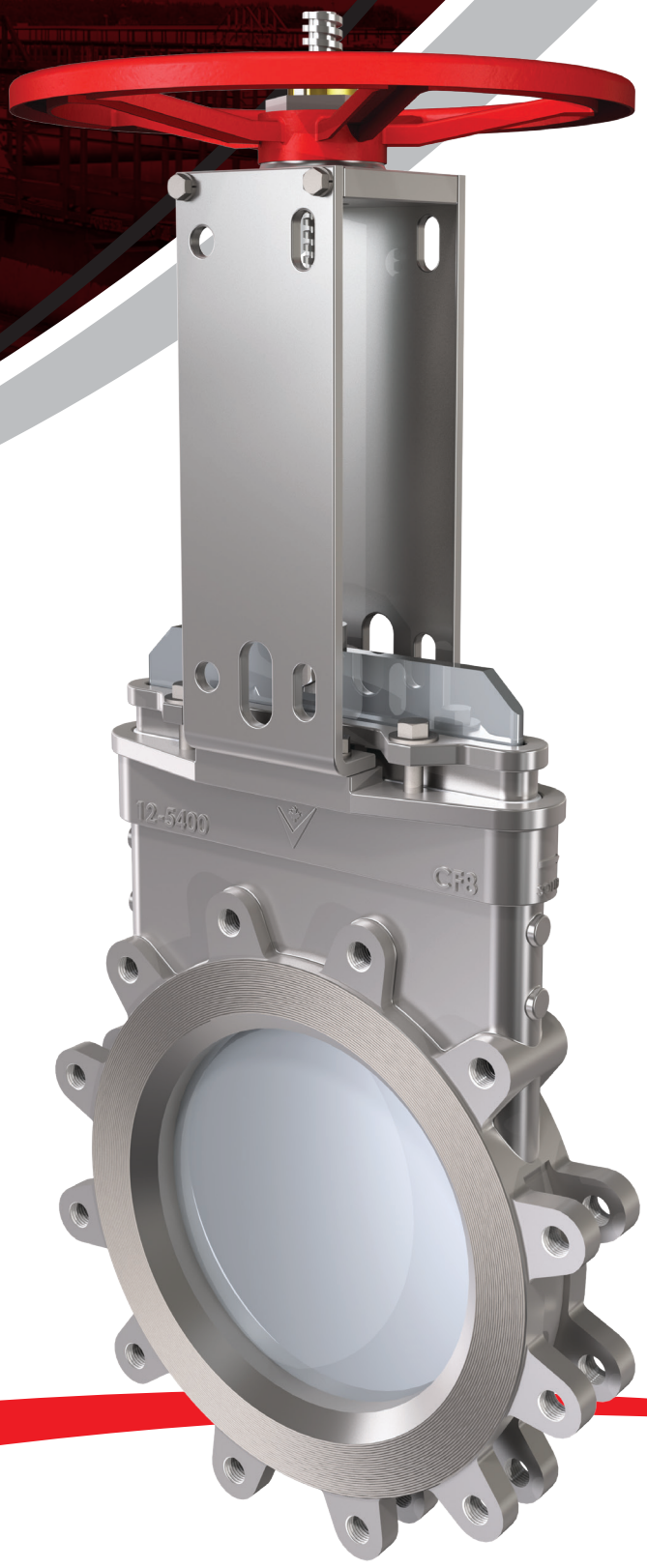

E5400
General Purpose
Knife Gate Valve

Product Brief

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E5400 General Purpose Knife Gate Valve

The E5400 General Purpose KGV is designed for use in a wide variety of industrial and municipal applications. The unidirectional, resilient seat design provides a reliable and durable solution for controlling various types of fluids. The E5400 is also suitable for use on solids and powder applications when configured with a metal seat.

Sizes Available

2” to 72” (50mm to 1800mm)

Pressure Rating

2” to 24” = 150psi
>30” = 30psi
(higher pressure ratings can be achieved with alternate components and materials)

Standard Design & Construction

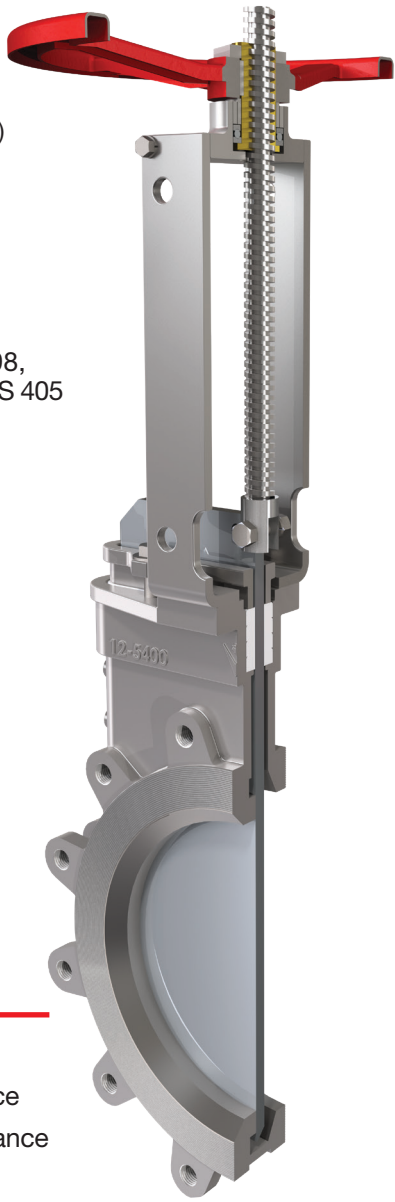
- Unidirectional, stainless steel body (CF8, CF8M, CG8M, CD3MN)
- Polished stainless steel gate
- Resilient or metal seat
- Braided PTFE packing with adjustable packing follower
- 304SS stem and yoke

Temperature Rating

Viton® seat
400°F (205°C)

Standards and Approvals

Design:	AWWA C520, API 598, MSS SP-81, TAPPI-TIS 405
Flanges:	ASME B16.5
Testing:	API 598
Markings:	MSS SP-25
Quality:	ISO 9001:2015
Registration:	CRN



Key Features & Benefits

- Manufactured from stainless steel for durability and corrosion resistance
- Beveled gate design ensures pressure independent process seal
- Gate backer improves process seal for low pressure and reverse flow conditions (sizes 12”+)
- Lockout pin provision for operator and maintenance safety
- Provision for proximity probes allows easy integration for position feedback
- Easily configurable for mounting of various actuation options
- Stainless steel thrust bearings for ease of operation and to support stem extensions

Options & Accessories

- Pressure bonnet for buried applications and improved safety in demanding services
- Purge ports to flush buildup in the valve body for improved performance and reduced maintenance
- Specialty gate coatings including Xylan®, or hard chrome for improved corrosion and wear resistance
- Alternate seat materials including AFLAS®, NBR, or EPDM for process compatibility
- Energized packing for reduced maintenance in high cycle applications
- Pneumatic or hydraulic cylinders and electric actuators for automated or remote control
- Proximity sensors for gate position feedback
- Stem extensions, stem guides, floor stands, and floor boxes for below grade installations

19-0011-V12

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