

## OVERVIEW

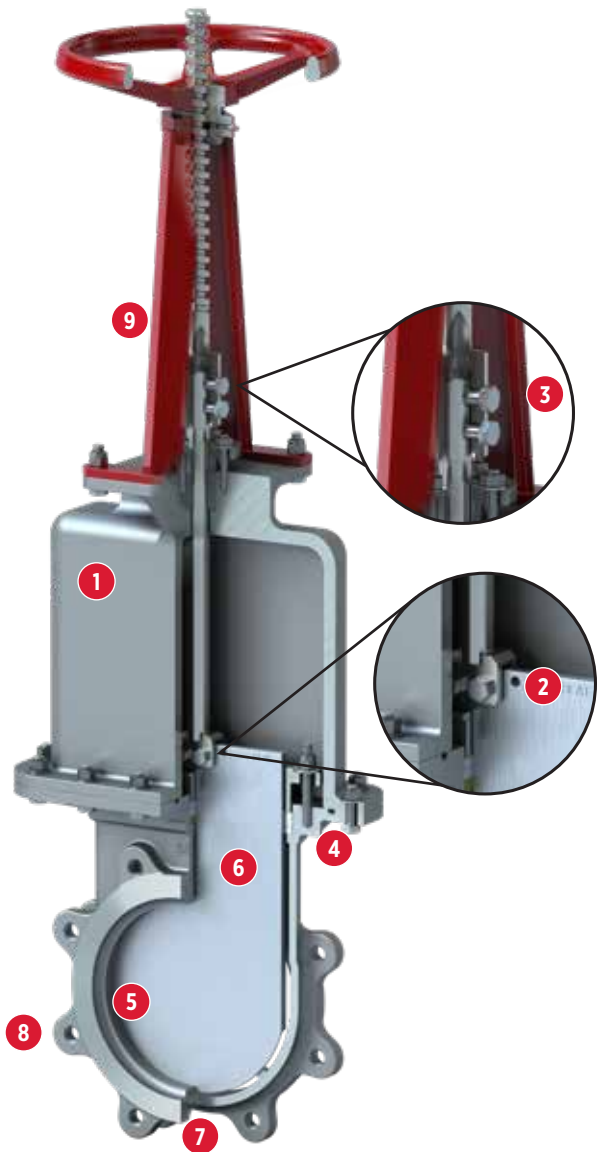
Engineered for general purpose on/off service and isolation of clean, dirty, corrosive, abrasive, viscous and high temperature media.

## TECHNICAL SPECIFICATIONS

<b>Size Range</b>	NPS 2 to 24   DN 50 to 600
<b>Body Style</b>	Single piece   Lug
<b>Pressure Rating</b>	2-24 150 psi   50-600mm 10 bar
<b>Drilling</b>	ASME B16.5 CL 150
<b>Face to Face</b>	MSS SP-81
<b>Certification</b>	CE/PED
<b>Design Standard</b>	Manufacturers Standard
<b>Testing Standard</b>	MSS SP-151

## FEATURES

- 1 Bonnet shall be full pressure rated and cast or fabricated with the wetted parts the same material as the valve body.
- 2 Clevis design and horizontal bolting stabilizes gate ensuring proper alignment.
- 3 Stem packing shall be adjustable consisting of multiple layers of square packing to reduce fugitive emissions and packing leakage.
- 4 Gland packing consisting of multiple layers of square packing to prevent solids from entering the bonnet.
- 5 Standard integral metal seat and optional replaceable zero leakage resilient seats.
- 6 Gate design ensures consistent alignment throughout the length of the stroke.
- 7 Unique body design with no dead pockets enables self-draining of valve.
- 8 Lugged body suitable for all mounting orientations including dead-end service.
- 9 Fabricated superstructure ensures robustness in valve design for different operators/orientation.



## STANDARD CONSTRUCTION

<b>Body</b>	CF8 (304)	CF8M (316)
<b>Gate</b>	304	316
<b>Seat</b>	Integral	Integral
<b>Stem</b>	304	304
<b>Gland</b>	304	304
<b>Packing</b>	PTFE Impregnated Synthetic Fiber	PTFE Impregnated Synthetic Fiber
<b>Topworks</b>	CS	CS
<b>Bonnet</b>	CF8	CF8M








## GATE OPTIONS

304, 316, 317 Stainless Steel
SAF 2507 Duplex
17-4 PH Stainless Steel
Hastelloy® C
Monel®
Titanium

## BODY OPTIONS

Carbon Steel (WCB)
CF8 Stainless Steel
CF8M Stainless Steel
CF3M Stainless Steel
SAF 2205 Duplex
SAF 2507 Duplex

## PACKING MAXIMUM TEMPERATURE RANGE

<b>Pure PTFE</b>	500°F 260°C		Pure PTFE
<b>PTFE Impregnated Synthetic Fiber</b>	450°F 232°C		PTFE Impregnated Synthetic Fiber
<b>PTFE w/Buna-N Quad Seal¹</b>	194°F 90°C		PTFE w/Buna-N Quad Seal
<b>PTFE w/Viton® Quad Seal¹</b>	392°F 200°C		PTFE w/Viton® Quad Seal
<b>Pure PTFE w/EPDM Quad Seal</b>	248°F 120°C		Pure PTFE w/EPDM Quad Seal
<b>PTFE w/Copper Wiper¹</b>	450°F 232°C		PTFE w/Copper Wiper
<b>Graphite</b>	1202°F 650°C		Graphite

**NOTE¹** Pure PTFE or PTFE Impregnated Synthetic Fiber can be used.

## SEAT OPTIONS

Standard integral metal seat and optional replaceable zero leakage resilient seat.



<b>Buna-N</b>	-34 to 194°F -36 to 90°C
<b>EPDM</b>	-65 to 248°F -54 to 120°C
<b>Viton®</b>	-15 to 392°F -26 to 200°C



<b>PTFE w/Viton Back-up Ring**</b>	-15 to 392°F -26 to 200°C
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\*\* Allowable seat leakage is one half MSS SP-151 metal seated valves. 20cc/min/inch