



Lesman
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Instruments • Valves • Controls

510

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Chicago Area Office
135 Bernice Dr, Bensenville IL 60106
Ph: 800-953-7626 • 630-595-8400
Fax: 630-595-2386

Milwaukee Area Office
5160 N 125th St, Butler WI 53007
Ph: 800-837-1700 • 262-923-1790
Fax: 262-923-1797

E-mail: sales@lesman.com

Contact: _____ Ext. _____

Name: _____

Company: _____

Street: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Phone: (____) _____ Fax: (____) _____

This is a: Request for Quote Order: PO# _____

Quantity Needed: _____ Date Required: ____/____/____

Shipping Method: _____ Partials Accepted: Yes No

Knife Gate Valve Application Datasheet

If this valve is replacing an existing valve, it will be extremely helpful to us if you can provide pictures, or diagrams of the installation. Details on the failure mode and reason for failure of the current valve are important as well, so we can make a good recommendation for replacement. The more information you can provide, the better.

Process Conditions

Process Media: _____

Dry Solids? Yes No

If dry, will valve have to cut through static column? Yes No

% solids if slurry: _____

	Min.	Normal	Max.	Units
Operating Temperature:	_____	_____	_____	<input type="checkbox"/> °C <input type="checkbox"/> °F

Working Pressure: _____ PSI bar

ΔP Across Closed Gate: _____ PSI bar

Instrument Air Supply at Valve Location: _____ Min.

Area Air Supply: _____ Max.

Gravity Feed: _____ Air Conveyed: _____

Is your process compatible with the chrome plating on the gates of some Stafsjo knife gate valves? Yes No

Product Selection

Valve Size: _____

Existing/Mating Flange Drilling Standard (ie: Ansi 150 Raised Face): _____

Specific Face-to-Face Dimension Required: Yes No

If yes, please specify: _____ inches

The valve should be installed: Between Flanges Dead End Service

The valve should be: Open Throttling Close Modulating

Valve Orientation: Vertical on Horizontal Pipe Horizontal on Vertical Pipe

Does valve need to seal in both directions?

Yes, Back Pressure: _____ PSI Max. No

Valve Body Cast Iron Ductile Iron 316 SS
Material: Titanium 2205 Duplex SS Other: _____
Gate Material: 304 SS 316 SS 2205 Duplex SS
 Titanium Other: _____
Seal Material: Metal Nitrile EPDM
 Viton PTFE Polyurethane

Operator/Actuator

Manual Handwheel Chainwheel
 Bevel Gear Lever
 Pneumatic Cylinder Electric, Voltage: _____

Hydraulic Cylinder? Yes No

If yes, please specify supply pressure: _____ PSI

Accessories

Solenoid Valve Proximity Switches
 Mechanical Limite Switches Other: _____

Positioners? Yes No

If yes: Pneumatic Electro/Pneumatic

Voltage/Area Classification for Accessories: _____

Special Instructions/Notes:
