



510

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INSTRUMENTS • VALVES • CONTROLS

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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: _____ Partial Accepted: Yes No

Knife Gate Valve
Application Datasheet

Quantity:

Tag Numbers:

Process Conditions

Process Media:

Dry Solids?

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

% solids if slurry:

Table with 5 columns: Min, Normal, Max, Units. Rows include Operating Temperature, Working Pressure, Change of Pressure Across Closed Gate, Instrument Air Supply at Valve Location (Min.), and Area Air Supply (Max.).

Product Selection

Valve Size: _____

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

Specific Face-to-Face Dimension Required: _____

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 No

Valve Body Material: Cast Iron Titanium Ductile Iron 2205 Duplex 316 SS Other: _____

Gate Material: 304 SS 2205 Duplex SS 316 SS Titanium Other: _____

Seat Material: Metal PTFE Viton EPDM Nitrile Polyurethane

Operator/Actuator

Bevel Gear Pneumatic Cyl. Chainwheel Manual Handwheel Electric Hydraulic Voltage: _____ Ratchet Lever Air or Hydraulic Cylinder Spring Fail: Open or Closed

Accessories

Solenoid Valve Proximity Switches Limit Switches Other: _____

Positioners? Yes No If yes: Pneumatic Electro/Pneumatic Smart

Voltage/Area Classification for Electric Actuator or Accessories:

Frequency of Operation: _____ times per hour/day/week/ Purge ports in bonnet? Yes No

Details: _____

New or Replacement Process Valve Questionnaire

Detailed answers to the questions below will help us determine the best fit/best value solution when supplying a new or replacement valve.

Questions for Both New AND Replacement Valves

1. Describe what the valve does for a living. How does it affect the process?

2. What types of equipment are in the piping upstream of the valve?

3. What types of equipment are in the piping downstream of the valve?

4. Assessment/expectation of the valve's overall performance?

5. What is the acceptable timeframe between valve installation and maintenance or replacement?

6. What additional functionality is required?

Additional Questions for Valve Replacements

1. Describe existing valve (brand, type, model, id plate data)

2. When was it put in service?

3. How often does it cycle?

4. What is wrong with the existing valve?

5. What problem is addressed by replacing this valve?
6. Have other valve styles/brands been installed in this application? (brand, type, model, id plate data)
7. How did they hold up?

Comments

If needed, diagram the valve and upstream/downstream equipment and environment:

