



A KELE COMPANY

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Instruments • Valves • Controls

480

V10.2022

Name: _____

Company: _____

City: _____ State: _____

When do you need a quote? _____

When do you need the equipment on site? _____

When will you place the order? _____

Control Valve Application Datasheet

Project Name: _____

Tag #: _____

Service Conditions

Type of Control Service Pressure Flow Back Pressure Level

Process Media: _____

If Steam: Saturated Superheated

Sticky or Dry Gas? Yes No

Process Pipe

Line Size _____ In. mm.

Pipe Material _____

Pipe Schedule _____

Control Required: Fine Coarse

Equipment Grade: Commercial Industrial/Process

Process Conditions

Min. Normal Max. Units
Pressure _____ PSI bar

Temp. _____ °C °F

ΔP _____ PSI bar

Flow Rate _____ GPM PPH
 SCFM
 Other: _____

Specific Gravity/Mol Weight _____

Viscosity _____ Required Cv _____

Flow Characteristic Equal % Linear

Shutoff Class Class IV Class V Class VI
 Other _____

Valve Type

Valve Size: _____

Ball Valve, Globe, or Sliding Gate: Standard Bore Full Bore V-Port Multi-Port 3-Way: Diverting Mixing

Butterfly Valve: Wafer Lug

Body Material: Carbon Steel Stainless Steel Cast Iron Ductile Iron Alloy 20 Bronze Other _____

Trim Material: Stainless Steel Other _____

Seat Material: Teflon Reinforced Teflon BUNA N EPDM Viton Other _____

Process Connections: NPT Socket Weld Butt Weld Pipe Sched _____ Butt Weld Tube End ANSI Flange Rating: 150 300 600

Fire Safe? Yes No

Notes: _____

Actuation

Haz. Area Class: _____

Pneumatic Actuator Spring Fail Open Spring Fail Closed Double Acting Fail Last
Supply Air: _____ PSIG

Electric Actuator Signal Fail Open Signal Fail Closed Spring Fail Open Spring Fail Closed
 Voltage: _____ AC DC
 Outdoor or High Humidity

Manual Override? Yes No

Accessories

Positioner Type Pneumatic Electro-Pneumatic Integral for Electric Actuator Smart/HART

Input Signal 3-15 PSI 4-20 mA ASI Bus DeviceNet Profibus DP or PA Foundation Fieldbus

Limit Switches Qty Amp Rating Units
_____ _____ AC DC

Other Accessories Beacon Indicator Gauges Filter/Regulator with Gauge

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:

