

Chemline Actuator Selection Questionnaire



1. Valve Type

Rotary: Ball Butterfly **Linear:** Diaphragm Gate Globe

2. Valve Specifics

Make: _____

Model: _____

Size: _____

Torque: _____

3. Available Power

Electrical (voltage): _____ Volts AC DC

Pneumatic (air pressure): _____ psi bar kPa

4. Operation/Control

On-Off

Travel Stop (open direction)

Travel Stop (closed direction)

2-wire

3-position/centre-off/dribble control

Cycle speed: Min: _____ Max: _____

Fail Position: None Open Close

Fail Mechanism: Electric/Battery Mechanical

Modulating: (*indicate order of importance of required features below*)

Control signal: 3-15 psi 4-20 mA 1-5 VDC 0-5 VDC 0-10 VDC _____

Duty: Normal Heavy _____

Fail Mode: Failsafe Failfreeze _____

Air Consumption: Standard Low _____

Bus Communication (protocol): _____

Operation Add-ons: Manual/Override Lockout Local-Remote Control

5. Position Indication

Visual

Limit Switches: end-of-travel 3-position/centre-off

Potentiometer

Transmitter (feedback signal): 3-15 psi 4-20 mA 1-5 VDC 0-5 VDC 0-10 VDC

Bus communication (protocol): _____

6. Application Specifics

Ambient temp: Min _____ Max _____ °C °F

Humidity: No Yes (% , condensating) _____

Submerged: No Yes (depth, how long) _____

Wash-down: No Yes (frequency, chemical) _____

Explosive atmosphere: No Yes (Class, Division) _____

Corrosive atmosphere: No Yes (chemical) _____

Medium/concentration: _____

Expected flow rate: _____ USGPM litres/hour feet/second

Valve operating frequency: _____ per hour per day per week per month

Space requirements/restrictions: _____