

VALVE AUTOMATION

TYPE K Damper Drives

VA Ordering Codes

DATE: _____ REV. _____

ITEM: _____ QTY: _____

QUOTE NO: _____

TAG: _____

FILE NO: _____

PLANT / UNIT NO.: _____

CUSTOMER: _____

P.O. NO: _____

1 RATED TORQUE AT 100 PSI SUPPLY AIR

- VA-1 90 Ft. Lbs. / in/lbs 1080
- VA-2 190 Ft. Lbs. / in/lbs 2280
- VA-3 416 Ft. Lbs. / in/lbs 4992
- VA-4 1000 Ft. Lbs. / in/lbs 12000
- VA-5 2250 Ft. Lbs. / in/lbs 27000
- VA-6 5000 Ft. Lbs. / in/lbs 60000
- VA-7 10416 Ft. Lbs. / in/lbs 124992

PLANT Supply Air	
Min.	PSI
Max.	PSI

AIR START	IN. LBS.
AIR END	IN. LBS.
SPRING END	IN. LBS.
VALVE TORQUE:	

2 MOUNTING ARRANGEMENT

- 3 Direct Bolt Mount to Valve
- X OTHER: _____

3 CONTROL DEMAND SIGNAL

- Model Number: _____
- At 3 PSI or 4 mAdc: CLOSE OPEN
- A 3-15 PSI
 - B 3-27, 6-30, 5-25, 0-30
 - E 4-20 mAdc Positioner with internal I/P
 - F 4-20 mAdc Positioner with external I/P
 - G 4-20 mAdc Positioner with external I/P for hold-last-position on loss of demand signal
 - N ON/OFF Solenoid Valve (Single Coil)
120 VAC, 24 VDC, 125 VDC (Specify: _____)
 - P ON/OFF Solenoid Valve (Dual Coil, 2 Position)
120 VAC, 24 VDC, 125 VDC (Specify: _____)
 - X _____

4 POSITION FEEDBACK TRANSMITTER

- Model Number: _____
- 4-20 mA Direct Feedback OR 20-4 mA Reverse Feedback
- 0 None
 - 2 4-20 mAdc (High-Perf. POT, 50 Million Cycles)
 - 4 1K POT Resistive Output
 - X OTHER: _____

5 ALARM / TRAVEL SWITCHES

- Model Number: _____
- Amps _____, Voltage _____ VAC
- Amps _____, Voltage _____ VDC
- 0 None
 - 1 2 SPDT Mechanical Switches (2 Million Cycles)
 - 2 4 SPDT Mechanical Switches (2 Million Cycles)
 - 7 2 Solid State Proximity Switches (Unlimited Cycles)
 - 8 4 Solid State Proximity Switches (Unlimited Cycles)
(7 & 8: No Moving Parts, Field Selectable N.O. or N.C.)
 - X OTHER: _____

6 ENCLOSURE RATING

- 1 NEMA 4, Watertight & Dust tight
- 2 NEMA 4X, 7 & 9, Cl. 1, Gr. C & D, Div. 1
- 3 NEMA 4X, 7 & 9, Cl. 1, Gr. C & D, Div. 2, Non-Incendive
- X OTHER: _____

7 AIR FAILURE LOCK-UP IN LAST POSITION

- Model Number: _____
- 0 None
 - 1 Included, Lock at _____ PSI, (Auto-Reset is Standard)
 - X OTHER: _____

8 MANUAL OVERRIDE

- Model Number: _____
- A None
 - B Pneumatic Regulator Override
 - G Direct Mount Declutchable Handwheel Gear Override:
 Left HW Right HW
 - H Solenoid Valve Override
 - X OTHER: _____

9 DEGREES OF VALVE ROTATION

Enter Degrees (Example: 90° is standard)

10 DIRECTION OF VALVE ROTATION

- DIRECT MOUNT TO VALVE:
- A CCW on Increasing Signal to OPEN valve
- B CCW on Increasing Signal to CLOSE valve
- C CW on Increasing Signal to OPEN valve
- D CW on Increasing Signal to CLOSE valve
- G Energize single solenoid, CCW to OPEN valve
- H Energize single solenoid, CCW to CLOSE valve
- J Energize single solenoid, CW to OPEN valve
- K Energize single solenoid, CW to CLOSE valve
- M Energize dual coil "A" = CCW to OPEN valve
- N Energize dual coil "A" = CCW to CLOSE valve
- X OTHER: _____

11 CODES FOR ADDITIONAL ACCESSORIES

- Model Number: _____
- 0 None
 - 1 Combo Particulate and Coalescing Air Filter w/gauge
 - 2 Particulate Air Filter only
 - 5 Air Pressure Regulator, set at _____ PSI
 - 7 2 Volume Booster Relays for fast drive rotation
 - 8 High ambient temp const -40°F to 300°F (-40°C to 150°C)
 - 9 _____ Gallon Air Reservoir: Fail Open, Fail Close
 - X OTHER: _____

12 VALVE DATA:

- 0 Re-use Existing Valve
 - 1 Supply New Valve
- Valve Mfg.: _____
- Size/Class: _____
- Fig. No.: _____
- Type: _____
- Body: _____
- Ball/Disc/Plug: _____
- Seat: _____
- Shaft: _____
- Shaft Seal: _____
- Sizing Torque: _____ (w/Safety Factor)
- Line Pressure: _____
- Flow Media: _____ Temp: _____

TYPE K Dwg No: _____

Approx Weight: _____ lbs. ea. uncrated

SELECTED FIGURE NO: VA-
Code Item: 1 2 3 4 5 6 7 8 9 10 11 12