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|----------------------|-------------------------|
| JOB NAME: | CONTRACTOR: |
| JOB LOCATION: | APPROVAL: |
| ENGINEER: | CONTRACTOR P.O.: |
| APPROVAL: | REPRESENTATIVE: |

M8E079-00*

760005 2-WAY STAINLESS STEEL, ANSI 150 FLANGED, SPLIT BODY STYLE, FULL PORT BALL VALVE WITH VALBIA METAL ELECTRIC ACTUATOR AND BRACKET

SIZES 1/2" TO 8"

| | | |
|----------------------------|------------------------|---|
| *001 12V AC/DC | *002 24V AC/DC | *003 100-240V AC |
| *01* BATTERY BACKUP | *02* POSITIONER | *04* BATTERY BACKUP W POSITIONER |

SPECIFICATIONS

The M8E079 series electric actuator assembled package features the 760005 series Class 150, full port, stainless steel split body, ISO 5211 pad, double D stem, flanged ball valve. This valve is designed to ANSI 16.5, ANSI 16.10, and ANSI 16.34. It is also certified to API 607, 4th edition, API 6FA, and meets NACE MR 0175 and NACE MR 0103.

The Valbia VBM series metal actuator housing is made from die cast aluminum, and standardly features dual motors, two extra limit switches, a heater and thermostat, a torque limiter, dual ISO patterns, female star drive, a high-profile dome indicator, 1/2" conduit connections, and a 75% duty cycle motor. The actuator is NEMA 4 rated, and options include positioning boards, battery backups, or a combination of the two.

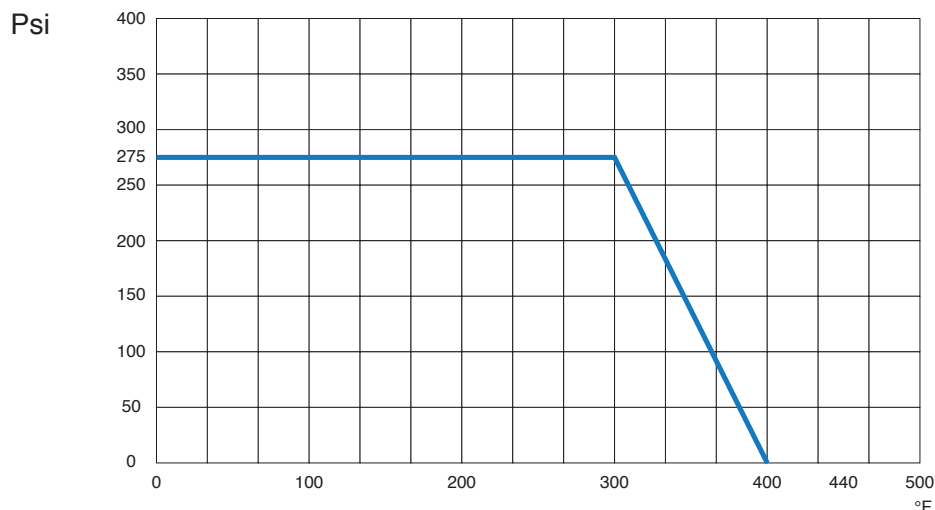
ACTUATOR FEATURES

- Dual Motors
- 24V AC/DC and 100-240V AC
- ISO 5211 dual patterns
- 75% Duty Cycle
- High-Strength, Die Cast Aluminum Powder Coated Housing
- Temperature Range -4°F to 131°F
- NEMA 4 Housing
- Two Auxiliary Switches Standard
- Torque limiter standard
- 1/2" Conduit connections

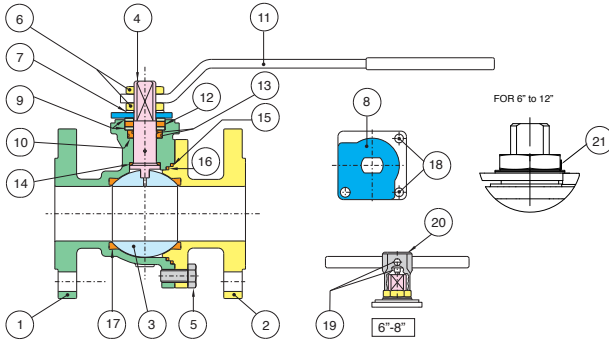
VALVE FEATURES

- Stainless Steel, ANSI class 150 flanged
- Full port, sizes 1/2" to 8"
- Temperature range -4°F to 400°F
- Blow-out proof stem, adjustable stem packing
- P.T.F.E. seats, packing and thrust washer
- 100% tested
- PED 97/23/CE
- ANSI B16.5, B16.10, B16.34 design
- Fire Safe API 6FA-API 607 4th edition
- Antistatic Device
- ISO 5211 mounting pad with double "D" stem

PRESSURE - TEMPERATURE CHART FOR SERIES 760005



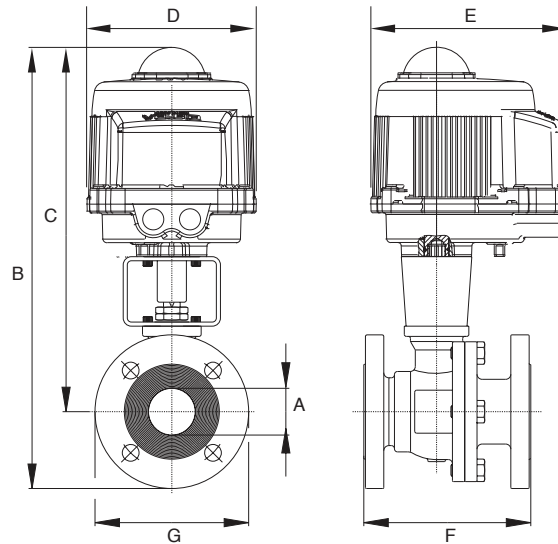
BILL OF MATERIALS FOR 760005



| N POS | PART NAME | MATERIAL | N PCS |
|-------|----------------|--------------------|--------|
| 1 | BODY | A351 CF8M | 1 |
| 2 | END CONNECTION | A351 CF8M | 1 |
| 3 | BALL | A479-316/A351 CF8M | 1 |
| 4 | STEM | A479-316 | 1 |
| 5 | SCREW | STAINLESS STEEL | 4-8-12 |
| 6 | NUT | STAINLESS STEEL | 1-2 |
| 7 | SPRING WASHER | STAINLESS STEEL | 2 |
| 8 | TRAVEL STOP | STAINLESS STEEL | 1 |
| 9 | PACKING GLAND | STAINLESS STEEL | 2 |
| 10 | STEM SEAL | P.T.F.E. | 1 |
| 11 | HANDLE | STAINLESS STEEL | 1 |

| N POS | PART NAME | MATERIAL | N PCS |
|-------|-------------------|-----------------|-------|
| 12 | STEM SEAL | GRAPHOIL | 1 |
| 13 | O-RING | FKM (Viton®) | 2 |
| 14 | THRUST WASHER | P.T.F.E. | 1 |
| 15 | SEAL | GRAPHOIL | 1 |
| 16 | SEAL | P.T.F.E. | 1 |
| 17 | BALL SEATS | P.T.F.E. | 2 |
| 18 | SCREW | STAINLESS STEEL | 2 |
| 19 | SCREW | STAINLESS STEEL | 2 |
| 20 | BODY HANDLE | CAST IRON | 1 |
| 21 | UNSCREWING GROWER | A182-F316 | 1 |

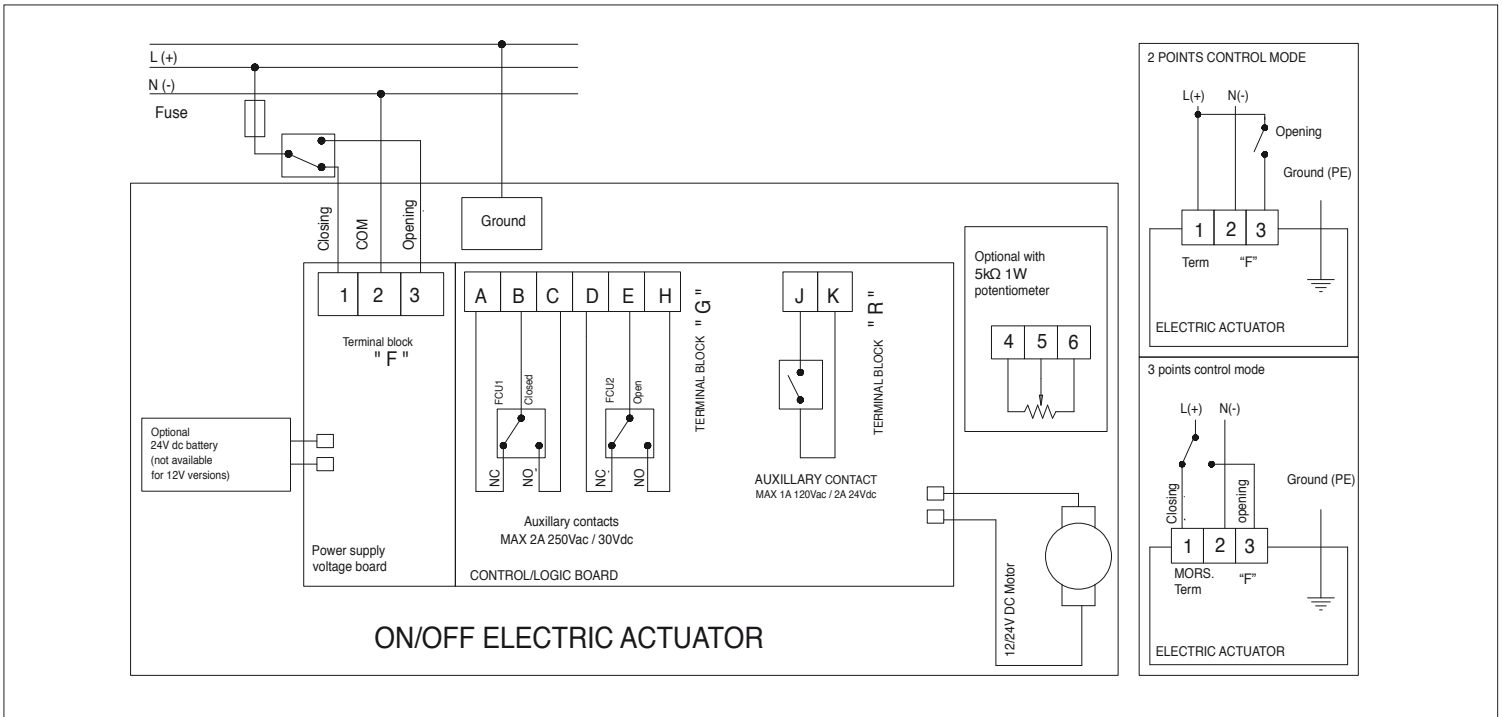
DIMENSIONS



| Size | 1/2" | 3/4" | 1" | 1-1/2" | 2" | 3" | 4" | 6" | 8" |
|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| A | .500 | .750 | .980 | 1.50 | 1.97 | 3.00 | 3.94 | 5.91 | 7.87 |
| B | 11.52 | 11.93 | 12.78 | 16.64 | 17.40 | 22.63 | 24.27 | 29.53 | 33.23 |
| C | 9.96 | 10.19 | 10.66 | 13.05 | 13.46 | 17.53 | 18.50 | 21.17 | 22.85 |
| D | 6.34 | 6.34 | 6.34 | 6.93 | 6.93 | 10.63 | 10.63 | 10.83 | 10.83 |
| E | 7.36 | 7.36 | 7.36 | 7.76 | 7.76 | 10.47 | 10.47 | 10.98 | 10.98 |
| F | 4.25 | 4.62 | 5.00 | 6.50 | 7.00 | 8.00 | 9.00 | 15.5 | 18.0 |
| G | 3.50 | 3.88 | 4.25 | 5.00 | 6.00 | 7.50 | 9.00 | 11.0 | 13.5 |
| Act. | VB030M | VB030M | VB030M | VB060M | VB060M | VB110M | VB190M | VB350M | VB350M |

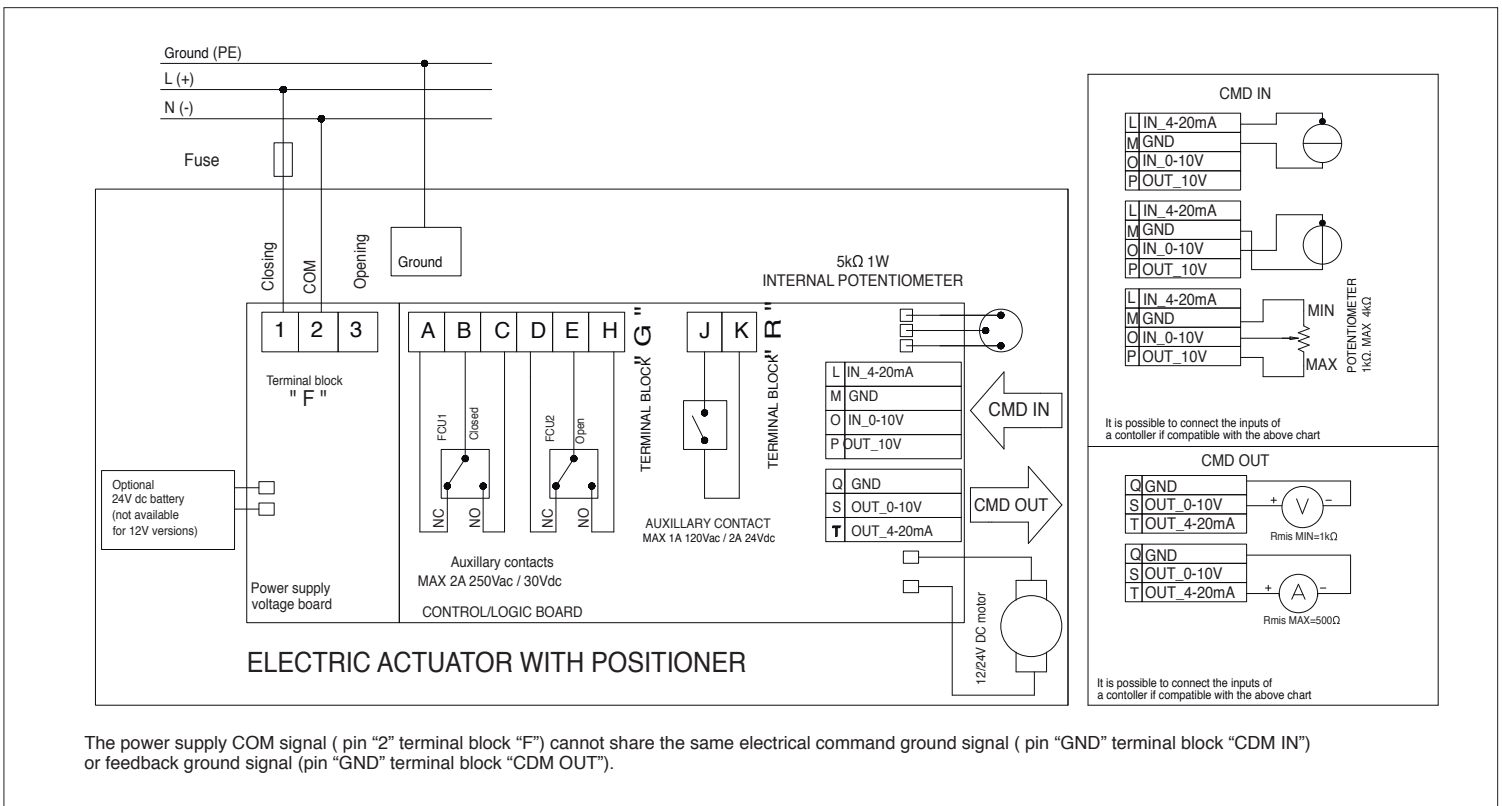
ON/OFF WIRING DIAGRAM - VB030M -VB190M

12V AC/DC, 24V AC/DC & 100-240VAC



POSITIONER WIRING DIAGRAM - VB030M -VB190M

12V AC/DC, 24V AC/DC & 100-240VAC



The power supply COM signal (pin "2" terminal block "F") cannot share the same electrical command ground signal (pin "GND" terminal block "CDM IN") or feedback ground signal (pin "GND" terminal block "CDM OUT").