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

EXM8E720370-00*

720370 2-WAY STAINLESS STEEL, ANSI 150 FLANGED, FIRE-SAFE, WAFER STYLE, FULL PORT BALL VALVE W CSA APPROVED EXPLOSION PROOF METAL ELECTRIC ACTUATOR

SIZES 1/2" TO 6"

| | | |
|----------------------|---------------------|---------------------|
| *002 24 AC/DC ON/OFF | *003 110V DC ON/OFF | *004 220V DC ON/OFF |
| *022 POSITIONER | *023 POSITIONER | *024 POSITIONER |

SPECIFICATIONS

The Bonomi EXM8E720370 series electric package features the 720370-stainless steel, fire-safe design, short pattern, wafer full port, ANSI 150 flanged ball valve, in sizes 1/2"-6".

This space saving valve also meets ANSI 16.34, ANSI 16.5, NACE MR 0175/ISO 15156 and NACE MR 0103. It has Carbon-filled PTFE seats, graphoil stem packing, and anti-static grounded ball and stem.

The heavy duty industrial EXM series electric actuator features a direct mount CSA certified NEMA 4X, 7, 8, and 9 housing, with 2 auxiliary switches, 1/2" conduit connections, built in thermal overload protection, heater & thermostat, clutch-less manual override, and a temperature range of -22°F to 156°F.

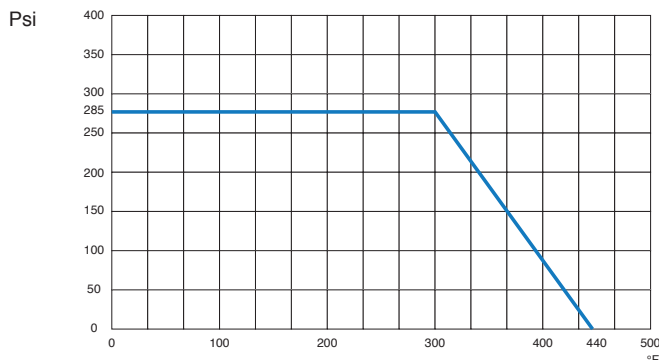
ACTUATOR FEATURES

- NEMA 4x, 7, 8 & 9 (CSA Approved)
- Enclosure conforms to IP68 with explosion-protected performance and 1/2" FNPT conduit connection
- Temperature range: -22°F to 158°F
- Clutch-less Manual Override
- Thermostatically controlled anti-condensation heater for working conditions
- Available in both ON/OFF (-00*) or 4~20 mA MODULATING (-02*)
- 30% Duty Cycle (ON/OFF) and 75% Duty Cycle (MODULATING)
- Continuous mechanical position indicator.
- Built-in thermal overload protection prevents motor burnout
- 2 auxiliary SPDT switches

VALVE FEATURES

- Stainless Steel, ANSI class 150 flanged
- Full port, sizes 1/2" to 6"
- Blow out proof stem
- Fire-safe approved with Antistatic stem device
- 25% carbon filled P.T.F.E ball seats.
- P.T.F.E. packing and thrust washer
- Space saving design
- 100% tested
- TUV T.A. Luft approved
- ANSI B16.34 design
- ISO 5211 mounting pad with double "D" stem
- Temperature range: -4° F to 450° F.

PRESSURE - TEMPERATURE CHART FOR SERIES 720370



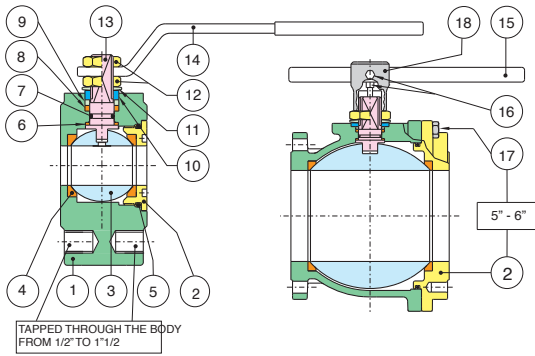
CSA APPROVALS

Class I, Division 1, Groups C, D, T4
Class II, Division 1, Groups E, F, G T130°C
Type 4x
Ex db IIB T4 Gb (For Canada)

Class I, Zone 1, AEx db IIB T4 Gb (For US)
Ex tb IIIC T130°C Db (For Canada)
Zone 21, AEx tb IIIC T130°C Db (For US)
IP68 (72h, 7m)



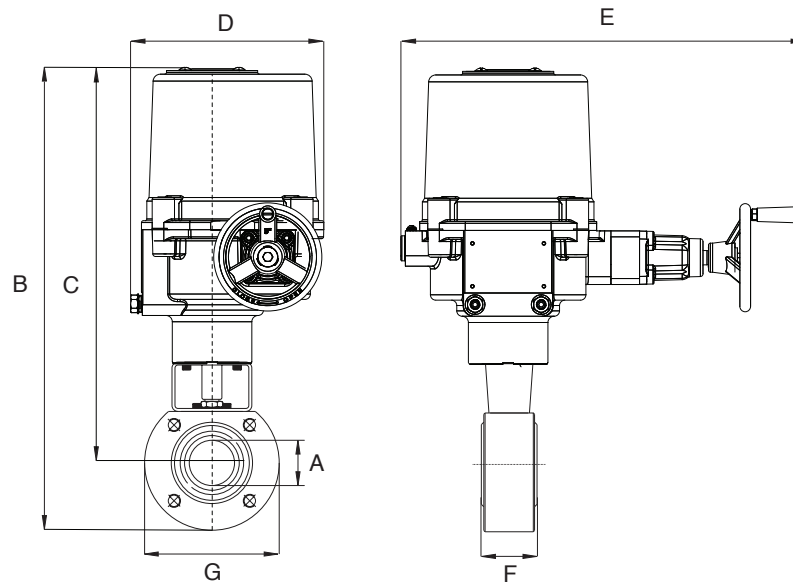
BILL OF MATERIALS FOR 720370



| N POS | PART NAME | MATERIAL | N PCS |
|-------|----------------|---|--------|
| 1 | BODY | A479-316/A351 CF8M | 1 |
| 2 | END CONNECTION | A479-316/A351 CF8M | 1 |
| 3 | BALL | A479-316/A351 CF8M | 1 |
| 4 | BALL SEATS | 25% CARBON FILLED P.T.F.E. | 2 |
| 5 | O-RING | FKM (Viton®) | 1 |
| 6 | THRUST WASHER | P.T.F.E. | 1 |
| 7 | RING | FKM (Viton®) | 1 |
| 8 | STEM SEAL | GRAPHOIL | 1 |
| 9 | PACKING GLAND | STEEL | 1 |
| 10 | END STOP | AISI 430 (1/2" - 2") STEEL (2-1/2" - 6") | 2 1 |

| N POS | PART NAME | MATERIAL | N PCS |
|-------|-----------------------|-----------|-------|
| 11 | SPRING WASHER | STEEL | 2 |
| 12 | NUT | STEEL | 2 |
| 13 | STEM | AISI 304 | 1 |
| 14 | HANDLE | STEEL | 1 |
| 15 | HANDLE DN 150-200 | STEEL | 1 |
| 16 | SCREW | STEEL | 2 |
| 17 | SCREW | STEEL | 8-12 |
| 18 | BODY HANDLE DN150-200 | CAST IRON | 1 |
| 19 | UNSCREWING GROWER | A182-F316 | 1 |

DIMENSIONS



| Size | A | B | C | D | E | F | G | Act. |
|--------|------|-------|-------|-------|-------|------|------|--------|
| 1/2" | 0.50 | 10.52 | 7.85 | 5.51 | 4.43 | 1.37 | 3.54 | EAX035 |
| 3/4" | 0.75 | 11.05 | 8.02 | 5.51 | 4.43 | 1.57 | 3.93 | EAX035 |
| 1" | 1.00 | 11.78 | 8.25 | 5.51 | 4.43 | 1.81 | 4.33 | EAX035 |
| 1-1/4" | 1.25 | 12.56 | 8.50 | 5.51 | 4.43 | 2.12 | 5.11 | EAX035 |
| 1-1/2" | 1.50 | 13.26 | 8.72 | 5.39 | 4.45 | 2.51 | 5.51 | EAX045 |
| 2" | 2.00 | 17.45 | 12.20 | 5.39 | 4.45 | 3.22 | 5.90 | EAX045 |
| 2-1/2" | 2.50 | 19.24 | 12.77 | 8.46 | 17.79 | 4.05 | 6.88 | EAX080 |
| 3" | 3.00 | 23.78 | 16.47 | 8.46 | 17.79 | 4.80 | 7.48 | EAX130 |
| 4" | 4.00 | 25.80 | 17.11 | 8.46 | 17.79 | 5.98 | 8.66 | EAX130 |
| 6" | 6.00 | 33.19 | 20.48 | 11.57 | 21.54 | 7.71 | 9.84 | EAX360 |

ON/OFF WIRING DIAGRAM

24V DC, 24V AC, 110V AC & 220VAC



POSITIONER WIRING DIAGRAM

24V DC, 24V AC, 110V AC & 220VAC

