



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

EXM8E067-00 *

700076 DIRECT MOUNT, 2-WAY STAINLESS STEEL, FULL PORT BALL VALVE W CSA APPROVED EXPLOSION PROOF METAL ELECTRIC ACTUATOR

SIZES 1/4" TO 3"

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

SPECIFICATIONS

The EXM8E067 series package features, the Valpres 700076 stainless steel, low torque ,1000psi full port ISO 5211 direct mount ball valve. The ball valve is made from ASTM A351-CF8M body, AISI 316 ball & stem ,incorporates a thermal relief hole in the stem slot, with its double O-ring, self-temperature adjustment stem sealing allows high cycle life with zero stem packing adjustment required.

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 -22F to 156F

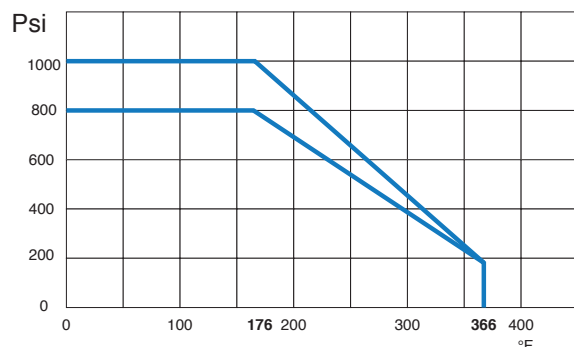
ACTUATOR FEATURES

- 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

- CF8M Stainless Steel
- Full Port, Sizes 1/4" to 3"
- ISO 5211 pad/square stem
- Pressure rating to 1000 psi, 150 psi steam
- Temperature -4°F to 366°F
- Blow out proof stem
- P.T.F.E. seats with O-ring backing for low operating torque
- P.T.F.E. seals and Double O-ring stem seal design for extended cycle life
- 100% electronically tested in the open and closed position@80 Psi
- Thermal relief protection

PRESSURE - TEMPERATURE CHART FOR SERIES 700076



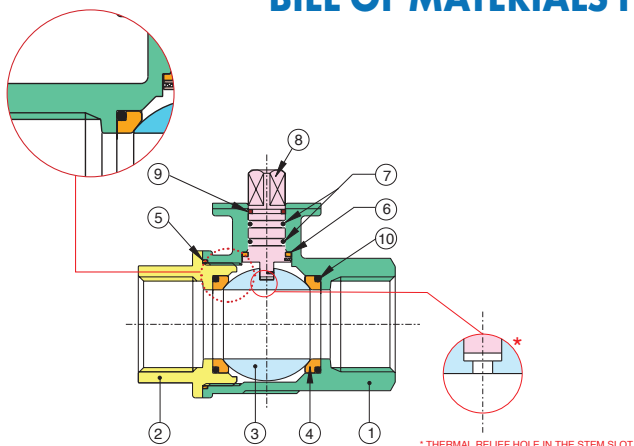
CSA APPROVALS

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)

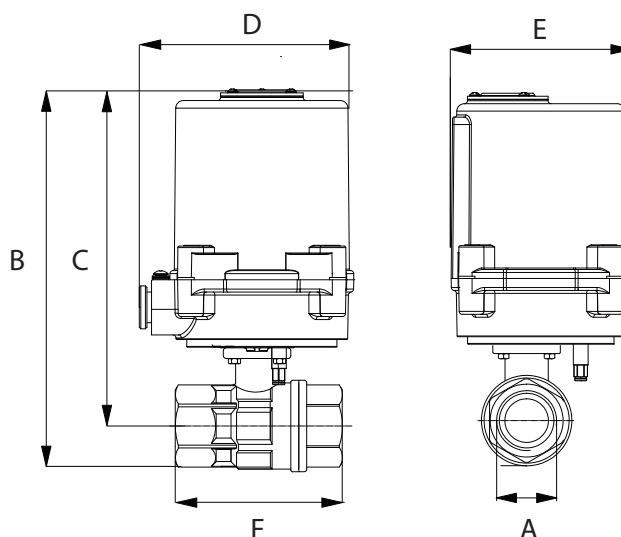


BILL OF MATERIALS FOR 700076



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M	1
2	END CONNECTION	CF8M	1
3	BALL	AISI 316 - CF8M	1
4	BALL SEAT	P.T.F.E.	2
5	SEAL	P.T.F.E.	1
6	STEM SEAL	P.T.F.E.	1
7	O-RING	FKM (Viton®)	2
8	STEM	AISI 316	1
9	STEM SEAL	P.T.F.E.	1
10	O-RING	FKM (Viton®)	2

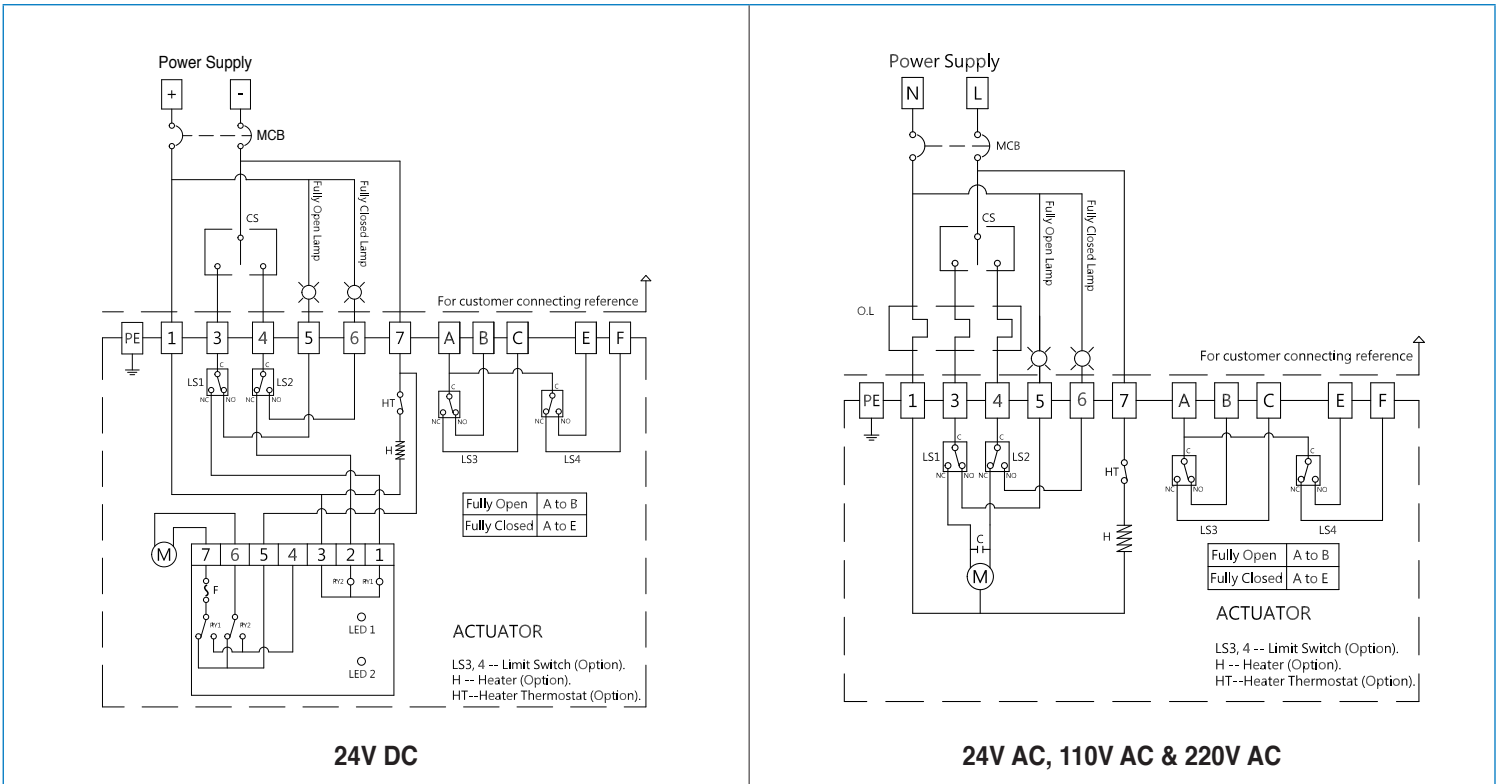
DIMENSIONS



Size	A	B	C	D	E	F	ACT.
1/4"	.250	8.55	7.87	5.51	4.43	2.64	EAX035
3/8"	.375	8.55	7.87	5.51	4.43	2.64	EAX035
1/2"	.500	8.55	7.87	5.51	4.43	2.64	EAX035
3/4"	.750	8.75	8.03	5.51	4.43	2.99	EAX035
1"	1.00	9.37	8.43	5.51	4.43	3.35	EAX035
1-1/4"	1.25	9.69	8.68	5.51	4.43	3.66	EAX035
1-1/2"	1.50	10.57	9.25	5.51	4.43	4.13	EAX035
2"	2.00	11.29	9.78	5.51	4.43	4.80	EAX035
2-1/2"	2.50	12.80	11.20	8.46	7.01	6.10	EAX080
3"	3.00	14.79	13.85	8.46	7.01	6.89	EAX080

ON/OFF WIRING DIAGRAM

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



POSITIONER WIRING DIAGRAM

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

