



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

M8E0770-00*

770 DIRECT MOUNT, 2-WAY 3-PC STAINLESS STEEL, FULL PORT, SANITARY CONNECTION, NON-CAVITY FILLED BALL VALVE W METAL ELECTRIC ACTUATOR

SIZES 1/2" TO 4"

M8E0771-00*

771 DIRECT MOUNT, 2-WAY 3-PC STAINLESS STEEL, FULL PORT, SANITARY CONNECTION, CAVITY FILLED BALL VALVE W METAL ELECTRIC ACTUATOR

SIZES 1/2" TO 4"

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

SPECIFICATIONS

The Bonomi M8E0770 and M8E0771 series electric actuated packages feature the 770[non-cavity filled] and the 771[cavity filled] three-piece full port stainless steel ball valves with sanitary connections. Both valve series are ISO 5211 direct mount, and come with a grounded ball and stem, and a Ra 15 finish.

The Valbia electric VBM metal housing actuator fits directly over the 770/771 series square stem and ISO 5211 pad. The actuator also is standardly furnished with dual voltages, two extra limit switches, torque limiter, manual override, a dome position indicator, 1/2" conduit connections, 75% duty cycle motor, contained in a NEMA 4 cast aluminum powder coated housing.

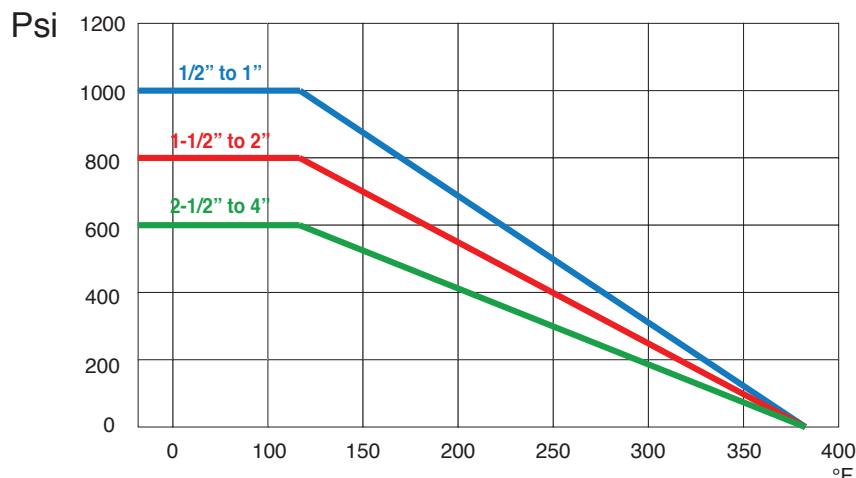
ACTUATOR FEATURES

- Dual Voltages
- CSA, UL approved
- 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

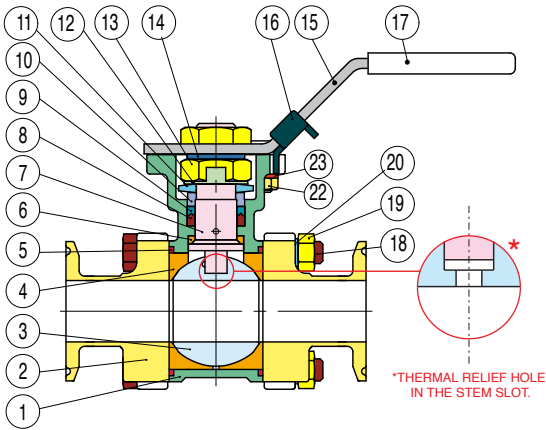
VALVE FEATURES

- Stainless Steel, 3 Piece Direct Mount
- Full port, sizes 1/2" to 4"
- 770 - Non-Cavity Filled
- 771 - Cavity Filled
- ISO 5211 mounting pad with double "D" stem
- Temperature range -20°F to 450°F
- Working pressure 1000 psi WOG (1/2" to 1")
800 psi WOG (1-1/2" to 2")
600 psi WOG (2-1/2" to 4")
- Blow-out proof stem
- Anti-static Device
- International polishing to Ra 15 micron
- Tri-clamp style end connections
- Ball valves comply with standards: ISO 5211, ANSI B16.11, MSS SP-25, MSS SP-55
- Maintenance free live loaded double sealing stem

PRESSURE - TEMPERATURE CHART FOR SERIES 770/771



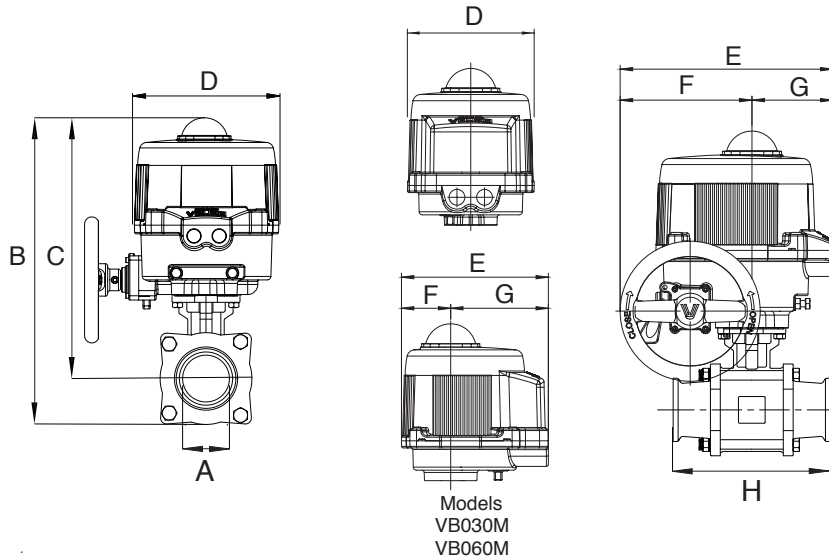
BILL OF MATERIALS FOR 770/771



N POS	PART NAME	MATERIAL	N PCS
1	BODY	CF8M	1
2	END CONNECTION	CF8M	2
3	BALL	SS316L	1
4	SEATS	P.T.F.E.	2
5	JOINT GASKET	P.T.F.E.	2
6	STEM SEAL	R.P.T.F.E.	1
7	STEM	SS316L	1
8	GLAND PACKING	P.T.F.E.	2
9	GLAND PACKING	P.T.F.E. + GLASS	1
10	GLAND BUSH	SS304	1
11	BELLEVILLE WASHER	SS301	2
12	STOP WASHER	SS304	1

N POS	PART NAME	MATERIAL	N PCS
13	STEM NUT	SS304	2
14	STEM WASHER	SS304	1
15	HANDLE	SS304	1
16	LOCKING DEVICE	SS304	1
17	HANDLE SLEEVE	VINYL	1
18	BOLT	SS304	4
19	BOLT NUT	SS304	4
20	BOLT WASHER	SS304	4
21	STOP PIN	SS304	1
22	PIN NUT	SS304	1
23	WASHER	SS304	1

DIMENSIONS

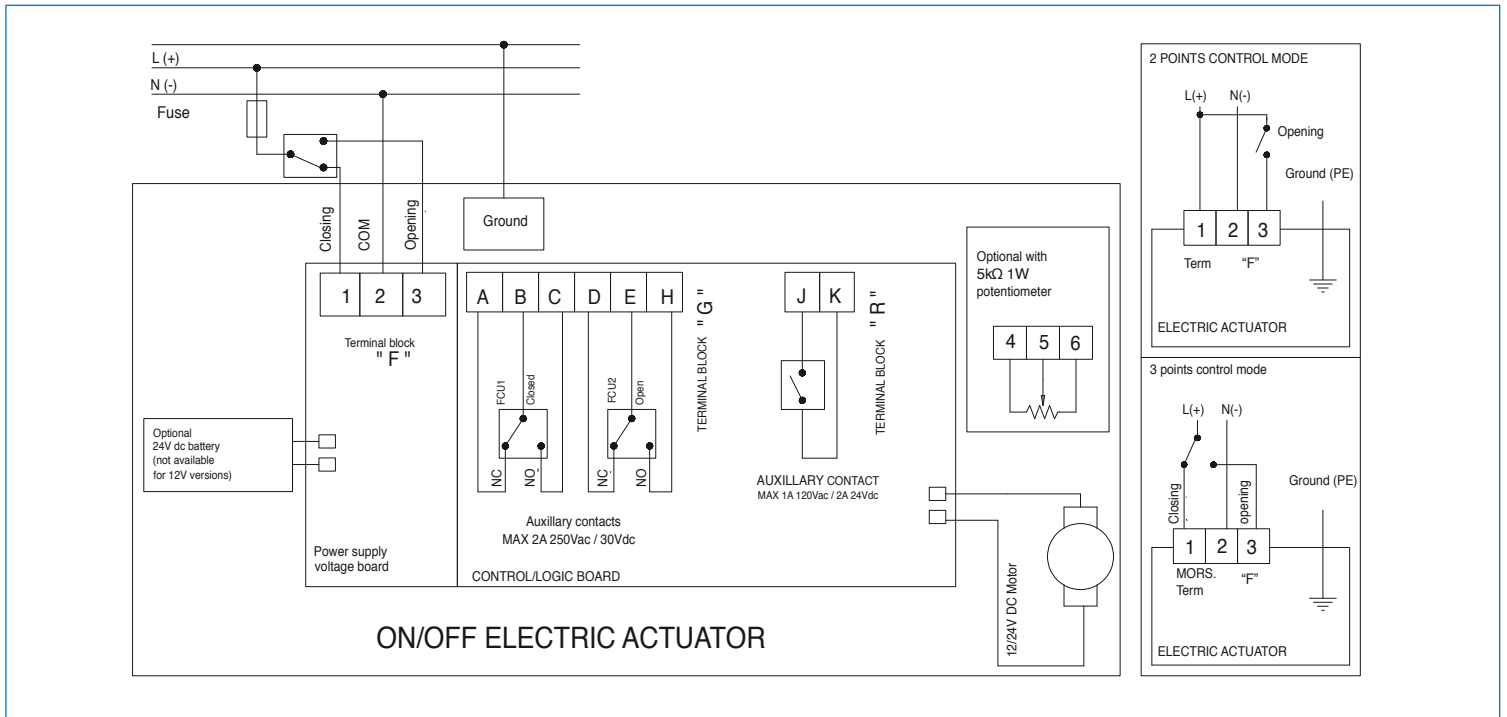


Size	A	B	C	D	E	F	G	H	Act.
1/2"	0.37	10.83	9.48	6.34	7.36	2.48	4.88	3.50	VB030M
3/4"	0.62	11.25	9.71	6.34	7.36	2.48	4.88	3.99	VB030M
1"	0.87	13.72	11.90	6.34	7.36	2.48	4.88	4.50	VB030M
1-1/2"	1.37	15.23	12.73	6.93	7.76	2.48	5.28	5.51	VB060M
2"	1.87	14.75	12.01	6.93	7.76	2.48	5.28	6.25	VB060M
2-1/2"	2.37	17.44	13.95	10.63	10.47	6.50	3.98	6.85	VB110M *
3"	2.87	18.10	14.31	10.63	10.47	6.50	3.98	7.60	VB110M *
4"	3.83	19.15	14.89	10.63	10.47	6.50	3.98	8.89	VB190M *

* Includes Manual Handwheel

ON/OFF WIRING DIAGRAM - VB030M -VB110M

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



POSITIONER WIRING DIAGRAM - VB030M -VB110M

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

