



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

M8E766000-0*

766000 2-WAY STAINLESS STEEL, ANSI 150 FLANGED, SPLIT BODY STYLE, DIRECT MOUNT, FULL PORT BALL VALVE WITH VALBIA METAL ELECTRIC ACTUATOR
SIZES 1" TO 4"

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

SPECIFICATIONS

The M8E766000 electric actuated package features the ANSI Class 150 full port stainless steel space saving, 766000 series direct mount, low torque, split body style ball valve. This ball valve series feature a double O-ring stem seal, grounded ball & stem, and incorporates an ISO 5211 mounting pad and square stem. Sizes are 1"-4". The Valbia VBM series metal actuator housing is made from die cast aluminum, and standardly features dual voltages, two extra limit switches, a heater & thermostat, a torque limiter, dual ISO patterns, female star drive, a high-profile dome position indicator, 1/2" conduit connections, and a 75% duty cycle motor. The actuator is NEMA 4 rated. Options include positioning boards, battery backups, or a combination of the two.

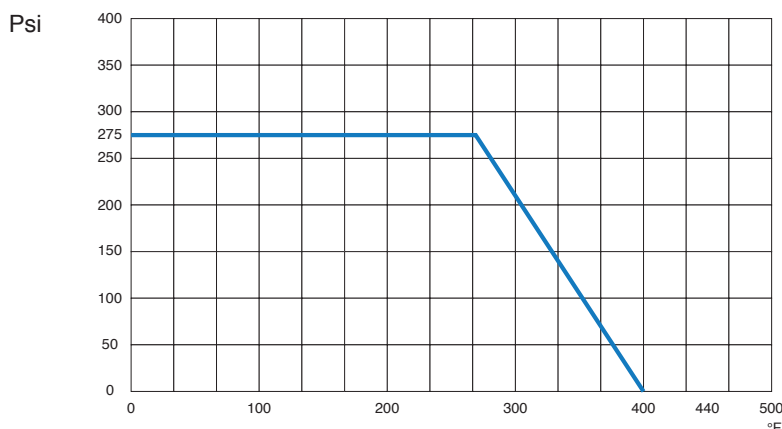
ACTUATOR FEATURES

- 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

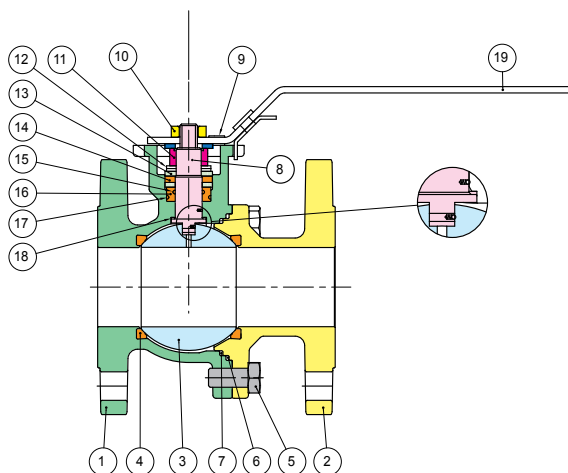
VALVE FEATURES

- Stainless Steel, ANSI class 150 flanged
- Direct mount ISO 5211/square stem
- Full port, sizes 1" to 4"
- Temperature range -4°F to 400°F
- Blow-out proof stem, adjustable stem packing
- P.T.F.E. seats, packing and thrust washer and FKM Viton O-rings
- Fire safe certified to API 607 6th edition
- 100% tested
- ANSI B16.5, B16.10, B16.34 design
- Antistatic device

PRESSURE TEMPERATURE CHART FOR 766000



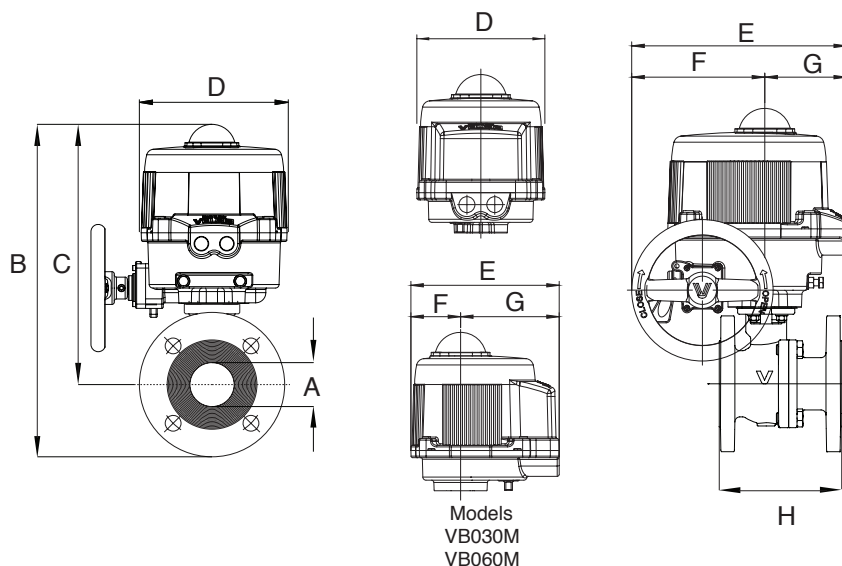
BILL OF MATERIALS FOR 766000



N POS	PART NAME	MATERIAL	N PCS
1	BODY	A351 CF8M	1
2	END CONNECTION	A351 CF8M	1
3	BALL	A479-304/A351 CF8M	1
4	BALL SEATS	P.T.F.E.	2
5	SCREW	STAINLESS STEEL	4-8
6	BODY SEAL	GRAPHOIL	1
7	BODY SEAL	P.T.F.E.	1
8	STEM	A479-30	1
9	SCREW	STAINLESS STEEL	1
10	NUT	STAINLESS STEEL	1

N POS	PART NAME	MATERIAL	N PCS
11	NUT	STAINLESS STEEL	1
12	SPRING WASHER	STAINLESS STEEL	2
13	BUSHING	A479-316	2
14	STEM SEAL	GRAPHOIL	1
15	O-RING	FKM (VITON®)	1
16	STEM SEAL	GRAPHOIL	1
17	O-RING	FKM (VITON®)	1
18	THRUST WASHER	P.T.F.E.	1
19	HANDLE	STAINLESS STEEL	1

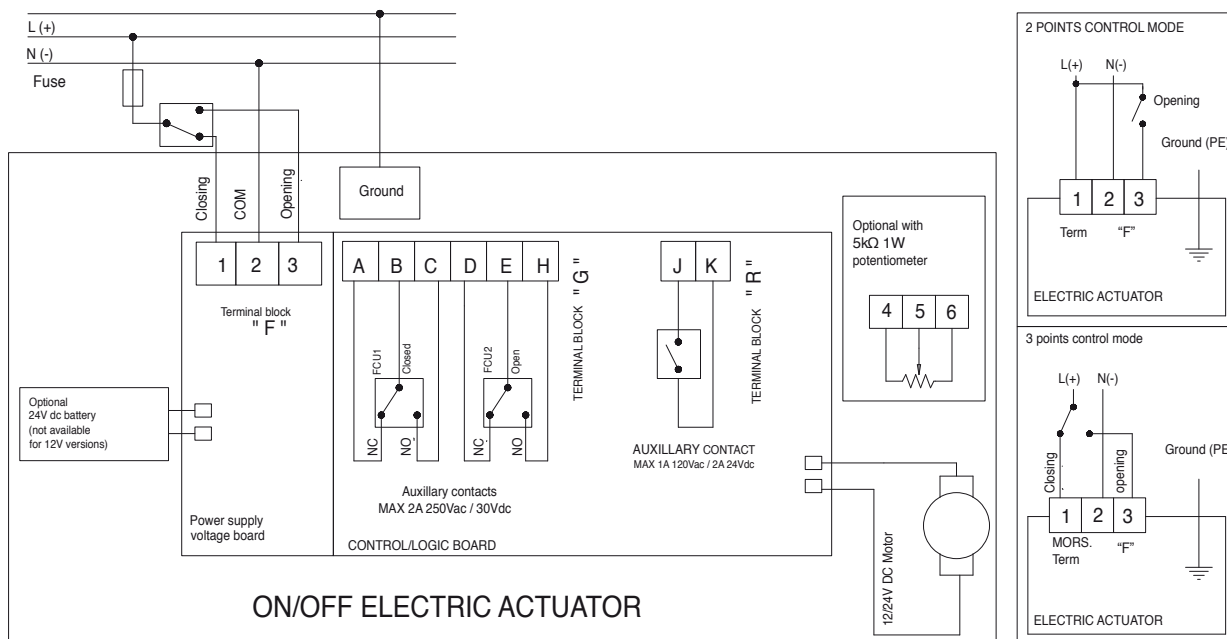
DIMENSIONS



SIZE	A	B	C	D	E	F	G	H	ACT.
1"	1.00	12.18	10.12	6.34	7.36	2.48	4.88	5.00	VB030M
1-1/2"	1.50	14.65	11.81	6.93	7.76	2.48	5.28	6.50	VB060M
2"	2.00	15.37	12.19	6.93	7.76	2.48	5.28	7.01	VB060M
3"	3.00	18.65	14.40	10.63	10.48	6.50	3.98	7.99	VB110M
4"	4.00	19.73	14.97	10.63	10.48	6.50	3.98	9.02	VB190M

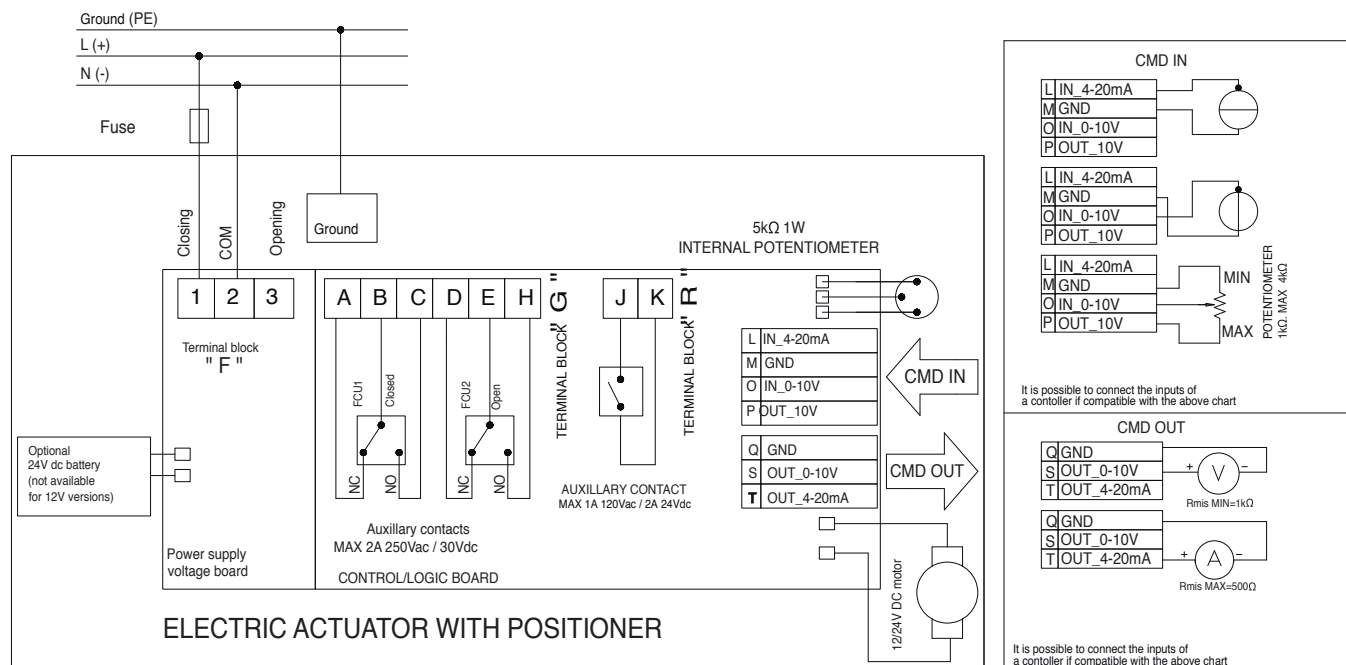
ON/OFF WIRING DIAGRAM

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



POSITIONER WIRING DIAGRAM

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").