



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

M8E630LLV3-0* - M8E630LLV6-0* - M8E630LLV9-0*

30°

60°

90°

630LLV3/V6/V9 DIRECT MOUNT, 3-PC, 2-WAY CARBON STEEL, V-PORT BALL VALVE IN NPT W ELECTRIC ACTUATOR

SIZES 1/2" TO 4"

*0*1 12V AC/DC	*0*2 24V AC/DC	*0*3 100-240VAC
02 POSITIONER	*04* BAT. BACKUP W POS	

SPECIFICATIONS

The M8E630LLV3/M8E630LLV6/M8E630LLV9 V-ball pneumatic actuated packages include an ISO 5211, complete direct mount WCB carbon steel, Class 900, encapsulated bolt design, Fire-Safe, grounded ball & stem, with TFM-4215 seats. The valves also incorporate a relief hole in the stem slot for thermal cycling protection..

The Valbia VBM electric actuator has a rugged NEMA 4 die cast aluminum housing and features a raised or dome position indicator. In addition, the VBM series also incorporates dual voltage motors, two extra limit switches, a heater and thermostat, manual override, 1/2" conduit connections and a 75% duty cycle motor.

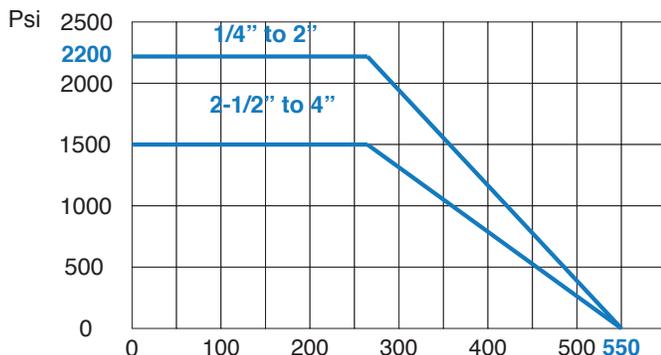
ACTUATOR FEATURES

- 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

- 3-piece WCB body
- Class 900 sizes 1/4" to 2", Class 600 sizes 2-1/2" to 4"
- Carbon steel-2200 psi (1/4" to 2"), 1500 psi (2-1/2" to 4")
- ISO 5211 mounting pad w/ square stem
- Standard latch locking handle
- Conforms to ANSI 16.34, ANSI B1.20.1 thread depths, NACE MR0175
- Fire Safe to API 607-6th edition
- Grounded ball and stem
- Standard 316 stainless steel ball and stem
- Temperature range: +150° F to 500° F
- Working steam pressure to 250 psi

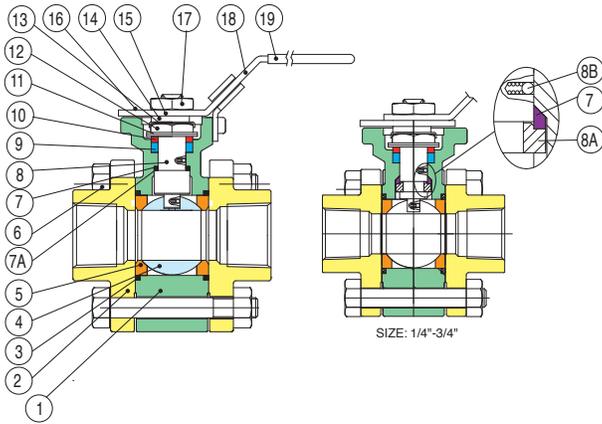
PRESSURE TEMPERATURE CHART FOR 630LLV3/630LLV6/630LLV9



V-BALL SERIES MODEL OPTIONS

	90° V-BALL
	M8E630LLV9
	60° V-BALL
	M8E630LLV6
	30° V-BALL
	M8E630LLV3

BILL OF MATERIALS FOR 630LLV3/630LLV6/630LLV9

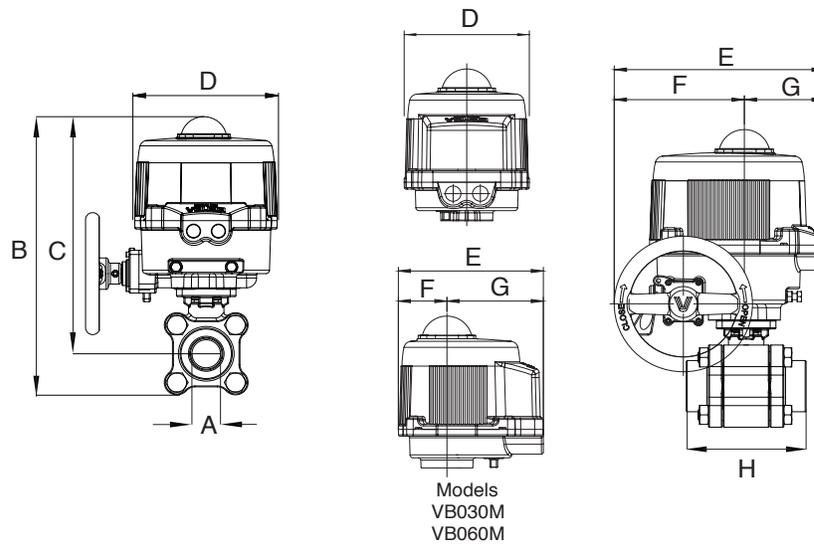


N POS	PART NAME	MATERIAL	N POS
1	BODY	WCB	1
2	END CAP	WCB	2
3	GASKET BODY	TFM	2
4	BALL	SS316	1
5	BALL SEATS	TFM-4215	2
6	BOLTS	SS304	*
7	THRUST WASHER	TFM	1
7A	THRUST WASHER	PEEK	1
8	STEM	SS316	1
8A	HALF SPLIT RING	SS316	1
8B	ANTI-STATIC	SS316	2

N POS	PART NAME	MATERIAL	N POS
9	STEM PACKING	TFM	1
10	GLAND WASHER	SS304	1
11	DISK WASHER	SS301	1
12	STEM NUT	SS304	1
13	NUT STOP	SS304	1
14	SPACE WASHER	SS304	1
15	PLATER	SS304	1
16	STOP IN	SS304	1
17	HANDLE NUT	SS304	1
18	HANDLE	SS304	1
19	HANDLE COVER	PLASTISOL	1

*VARIES WITH SIZE

DIMENSIONS

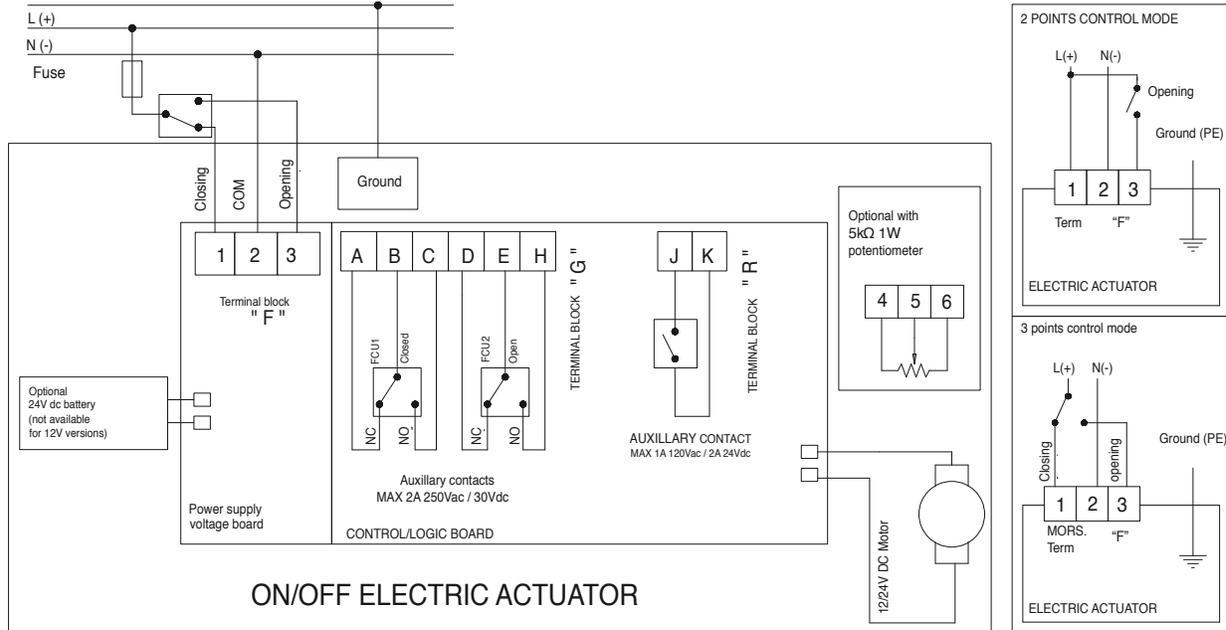


Size	A	B	C	D	E	F	G	H	ACT.
1/4"	0.25	10.45	9.64	6.34	7.36	2.48	4.88	2.64	VB030M
3/8"	0.38	10.45	9.64	6.34	7.36	2.48	4.88	2.64	VB030M
1/2"	0.50	10.57	9.72	6.34	7.36	2.48	4.88	2.64	VB030M
3/4"	0.75	10.85	9.91	6.34	7.36	2.48	4.88	2.99	VB030M
1"	1.00	11.19	10.15	6.34	7.36	2.48	4.88	3.35	VB030M
1-1/4"	1.25	12.20	11.10	6.93	7.76	2.48	5.28	3.66	VB060M
1-1/2"	1.50	12.65	11.41	6.93	7.76	2.48	5.28	4.13	VB060M
2"	2.00	14.81	13.22	10.63	10.48	6.50	3.98	4.80	VB110M
2-1/2"	2.50	15.67	13.81	10.63	10.48	6.50	3.98	6.10	VB190M
3"	3.00	16.51	14.40	10.83	10.98	7.24	3.74	6.89	VB270M
4" *	4.00	20.72	18.17	15.50	-	-	-	8.03	EA360

* available only on -02* model

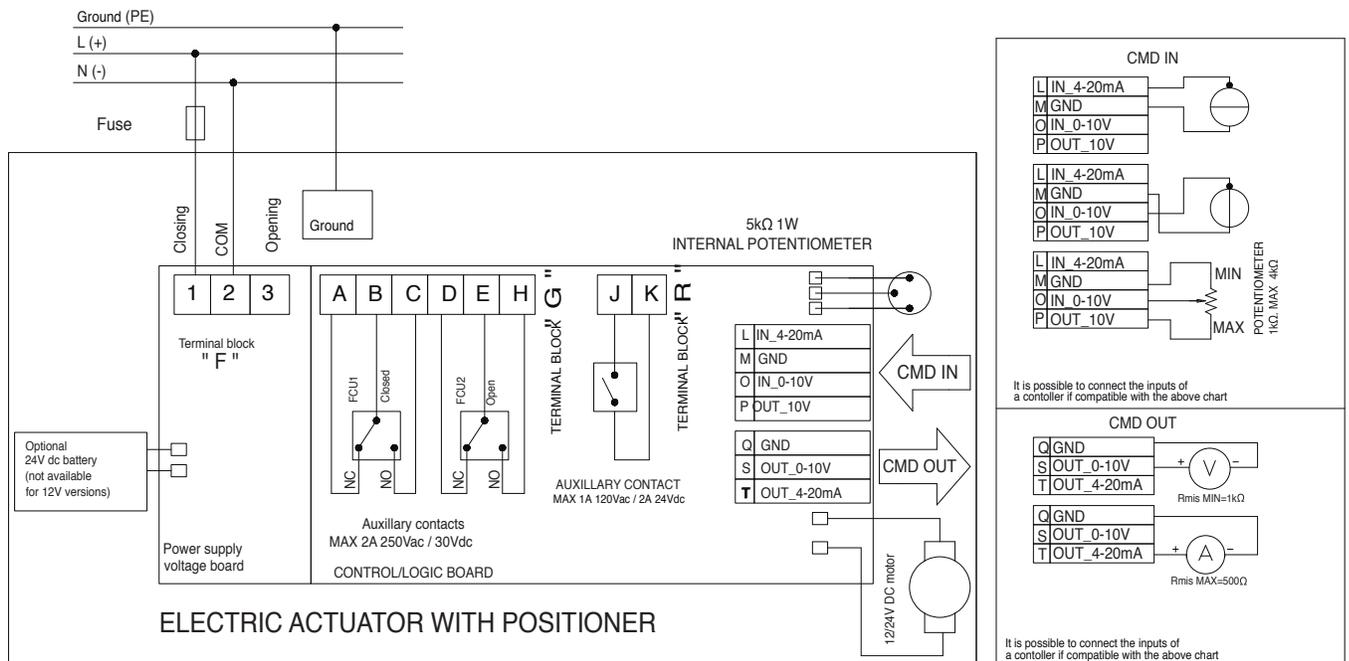
ON/OFF WIRING DIAGRAM

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").