BONOMI
NORTH AMERICA

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

8E0127-00*

600LL 2-WAY CARBON STEEL, FNPT THREADED BALL VALVE WITH VALBIA ELECTRIC ACTUATOR AND BRACKET

SIZES 1/4" TO 2"

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

SPECIFICATIONS

The 8E0127 series features the Bonomi 600LL full port, WCB carbon steel body, with 15% glass reinforced seats, multiple stem packing, and a drilled and tapped rear mounting pad. A thermal relief hole in the stem slot is standard. The 600LL series is also NACE MR 0175 compliant.
The Valbia VB series actuator housing is made from a high impact resistant techno polymer, and standardly features dual motors, two extra limit switches, a heater & thermostat, a torque limiter, dual ISO patterns, female star drive, position indicator, PG11 connections, and a 75% duty cycle motor. The actuator is also NEMA 4,4X rated. Options include positioning boards, battery backups, or a combination of the two.

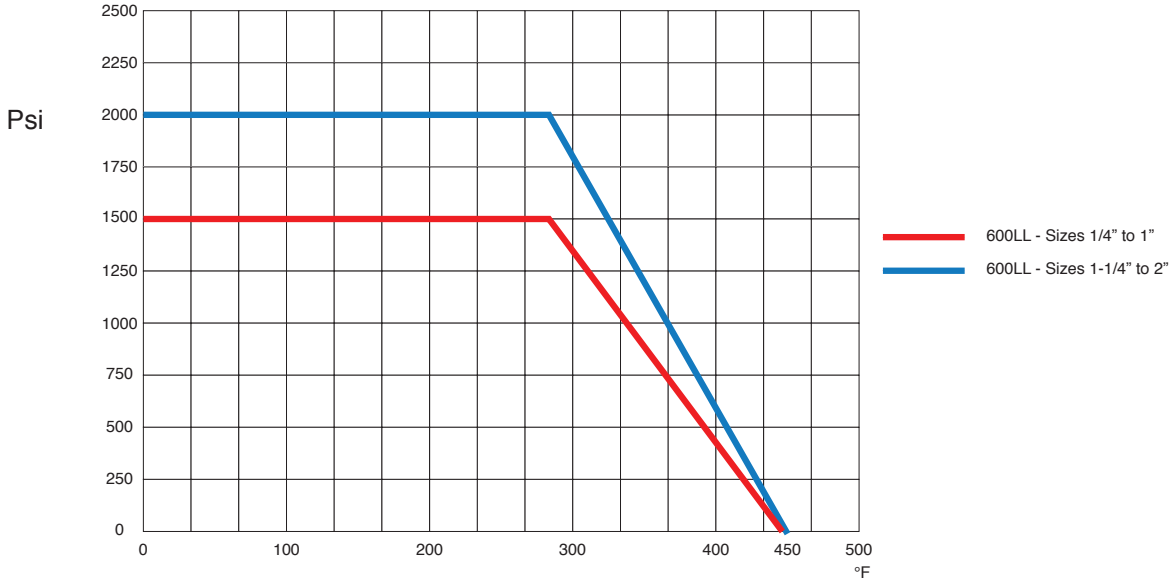
ACTUATOR FEATURES

- NEMA 4, 4X Housing
- 12V/24V AC/DC and 100-240V AC Models Available
- ISO 5211 dual patterns
- VB015 -12/24V AC - 50% Duty Cycle
- VB030-VB110 - 12/24V DC and 100-240V AC - 75% Duty Cycle
- High-Strength, Impact Resistant IP67 Technopolymer Housing
- Temperature Range -4°F to 131°F
- PG11 Electrical Connection/Optional 1/2" Conduit

VALVE FEATURES

- 2-piece WCB body
- Full port, sizes 1/4" to 2"
- Self adjusting stem packing
- Blow out proof stem design
- 100% air tested under water at 80 psi
- Pressure rating 1/4" to 1" 2000 psi 1-1/4" to 2" 1000 psi - 150 psi steam
- Temperature range -4°F to 450°F
- Mounting pad for actuator
- Thermal relief hole in stem slot

PRESSURE - TEMPERATURE CHART FOR SERIES 600LL



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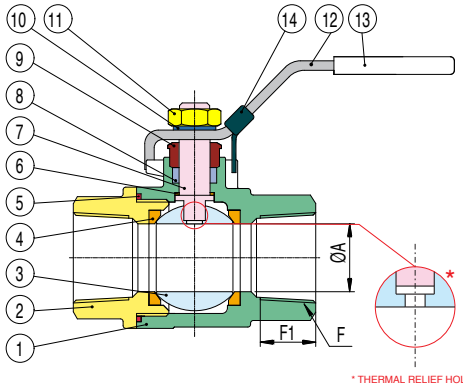
BILL OF MATERIALS FOR 600LL

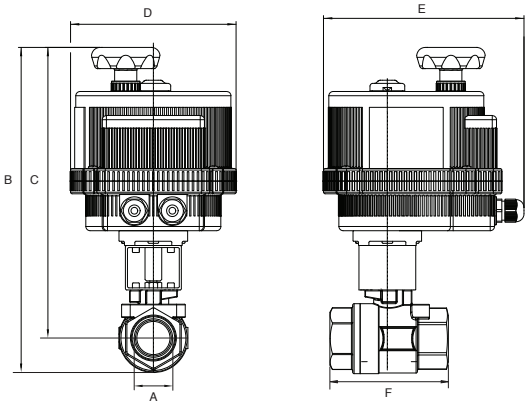


* THERMAL RELIEF HOLE IN THE STEM SLOT.

N POS	PART NAME	MATERIAL	N PCS
1	BODY	WCB	1
2	END CAP	WCB	1
3	BALL	AISI 316	1
4	SEAT	R.P.T.F.E.	2
5	JOIN GASKET	P.T.F.E.	2
6	THRUST WASHER	P.T.F.E.	1
7	STEM	AISI 316	1
8	V RING PACKING	P.T.F.E.	1
9	GLAND BUSH	STEEL	1
10	STEM WASHER	STEEL	1
11	STEM NUT	STEEL	1
12	HANDLE	STEEL	1
13	HANDLE SLEEVE	VINYL	1
14	LOCKING DEVICE	SS304	1

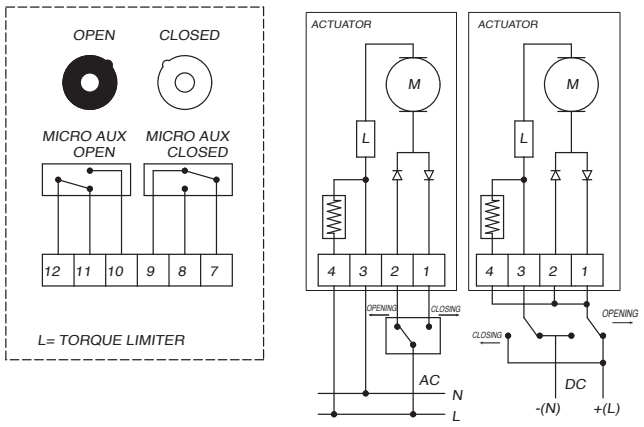
DIMENSIONS

Size	1/4”	3/8”	1/2”	3/4”	1”	1-1/4”	1-1/2”	2”
A	0.45	0.49	.059	0.78	0.98	1.25	1.49	1.96
B	11.38	11.38	12.26	12.59	13.91	16.15	16.84	18.69
C	9.03	9.03	9.43	9.58	11.18	14.47	12.78	14.20
D	4.84	4.84	4.84	4.84	6.18	6.18	6.18	7.28
E	6.41	6.41	6.41	6.41	7.50	7.50	7.50	8.43
F	1.96	1.96	2.36	2.51	2.79	3.07	3.38	3.74
Act.	VB015	VB015	VB015	VB015	VB030	VB030	VB030	VB060

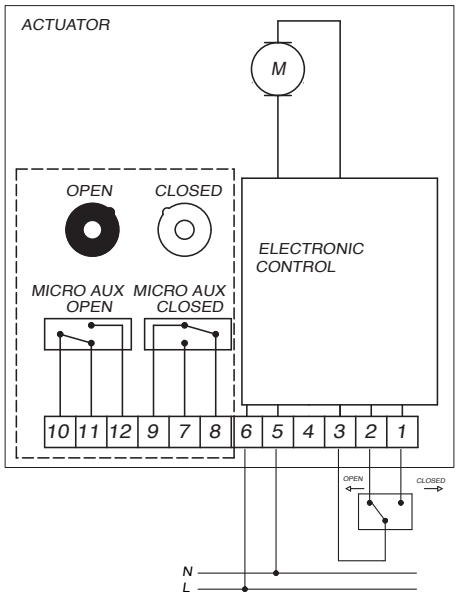


ON/OFF WIRING DIAGRAM - VB015

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



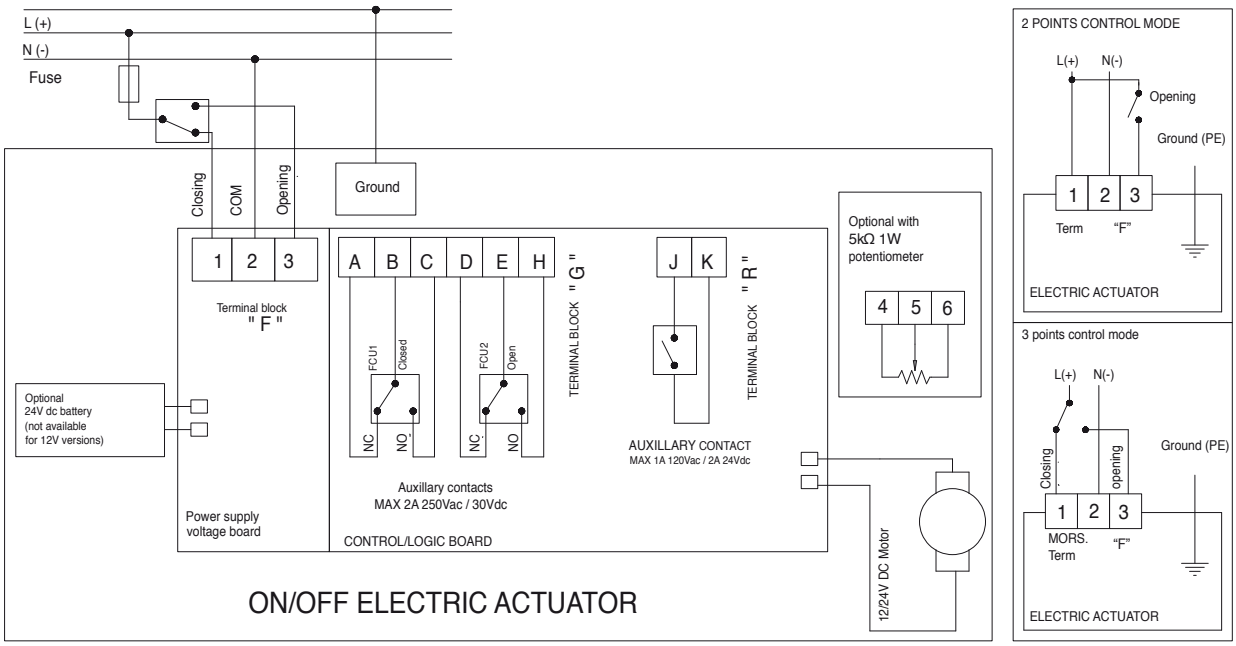
12V AC/DC & 24V AC/DC



100-240V AC

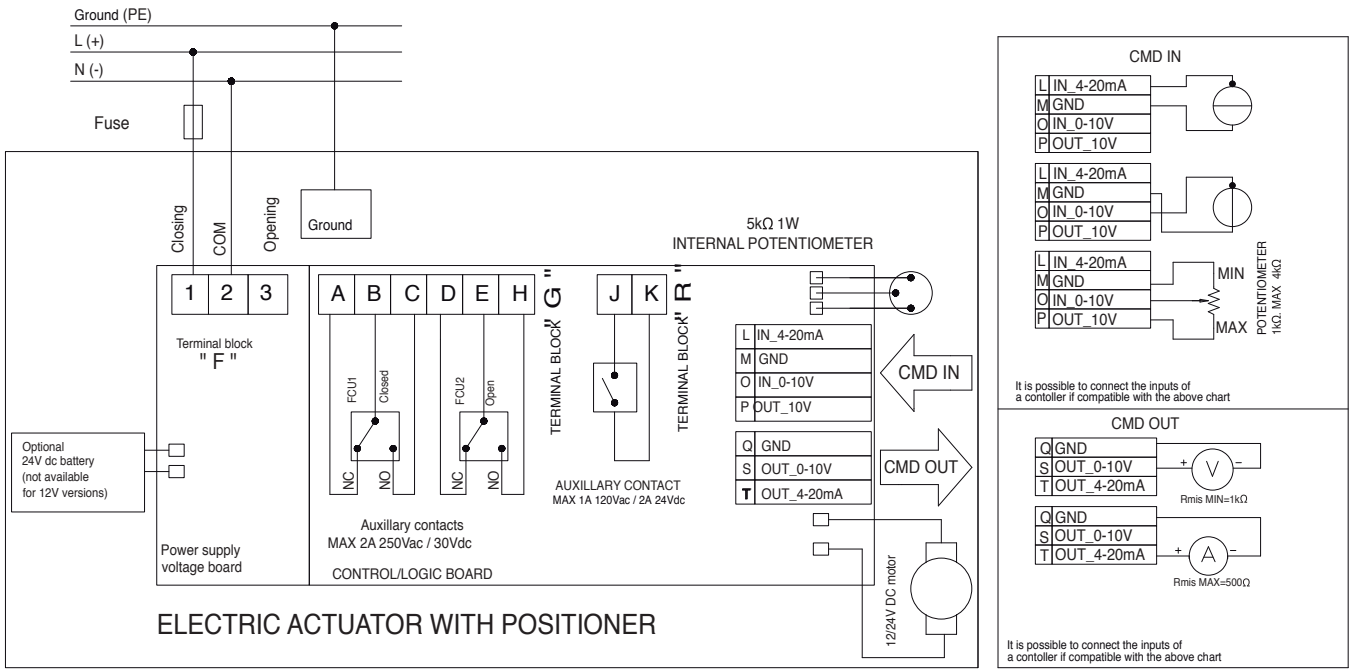
ON/OFF WIRING DIAGRAM - VB030 -VB060

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



POSITIONER WIRING DIAGRAM - VB030 -VB060

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”).