



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

8E02570LF-00*

2570LF DIRECT MOUNT, 2-WAY LEAD FREE BRASS, FULL PORT BALL VALVE W PRESS CONNECTIONS & PLASTIC ELECTRIC ACTUATOR

SIZES 1/2" 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

Bonomi North America series 8E02570LF lead-free brass automated ball valve package features a NEMA 4,4X VB series actuator and a full port 300 psi lead free brass ball valve.

The electric actuator is loaded with extras such as: either a dual 100-240VAC or a 24AC/DC motor, a 12VDC option, two additional limit switches, a heat/thermostat, dome position indicator, dual ISO patterns, 75% duty cycle, 1/2" conduit connections and more.

The valve is the 2570LF series, lead-free, full port, low torque, press connections, with double O-ring stem seals for temperature fluctuation protection. The 2570LF lead free ball valves come in sizes 1/2" - 2", and is NSF 61/372 certified for potable water use.

The valve also features a four point ISO mounting pad, and a square stem for direct mounting.

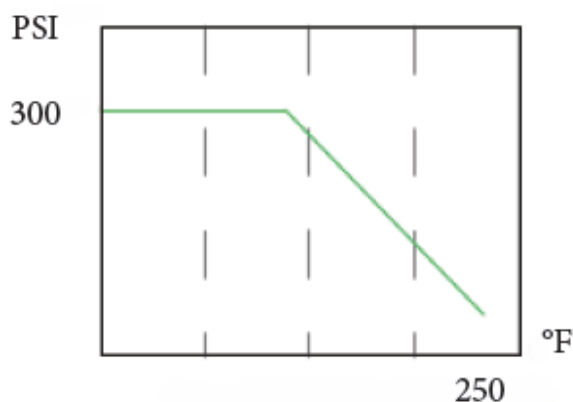
ACTUATOR FEATURES

- NEMA 4, 4X Housing - CSA, UL approved
- 12V/24V AC/DC and 100-240V AC
- Models Available
- ISO 5211, F03/F05 base with 11mm female drive
- VB015 - 12/24V AC - 50% Duty Cycle
- VB030 - 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

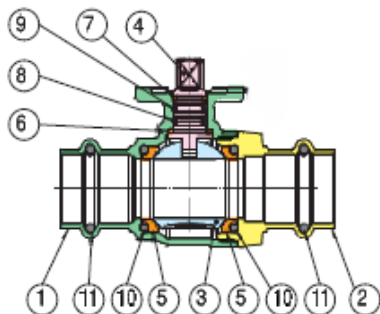
VALVE FEATURES

- 2570LF - LF Brass w/ Chrome Plated Ball & Stem
- Press connections
- Full Port, Sizes 1/2" to 2"
- ISO 5211 pad and square stem
- Pressure rating to 300 WOG
- Temperature range -4°F to 250°F
- Low torque design with back up O-ring seats
- Double O-ring stem seal design for extended cycle life
- 100% electronically tested in the open and closed position@80 Psi
- NSF 61/372

PRESSURE - TEMPERATURE CHART FOR SERIES 2570LF



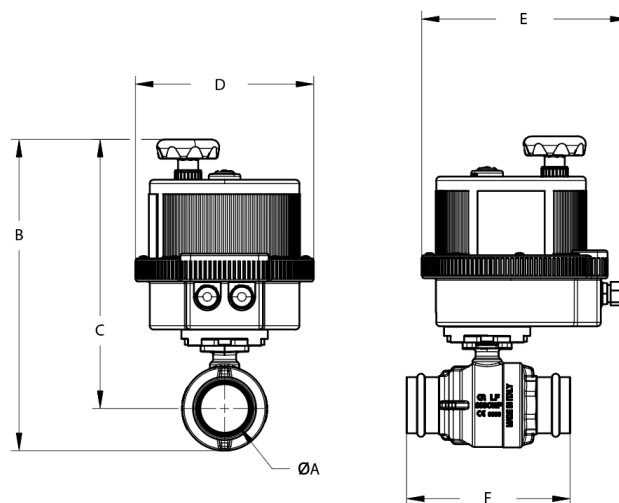
BILL OF MATERIALS FOR 257OLF



N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF BRASS C27453	1
2	END CONNECTION	LF BRASS C27453	1
3	BALL	LF BRASS C28500	1
4	STEM	LF BRASS C28500	1
5	BALL SEAT	PTFE	2
6	THRUST WASHER	PTFE	2
7	THRUST WASHER	PTFE	1
8	O-RING	FKM	1
9	O-RING	EPDM	1
10	O-RING	FKM	2
11	O-RING	EPDM	2

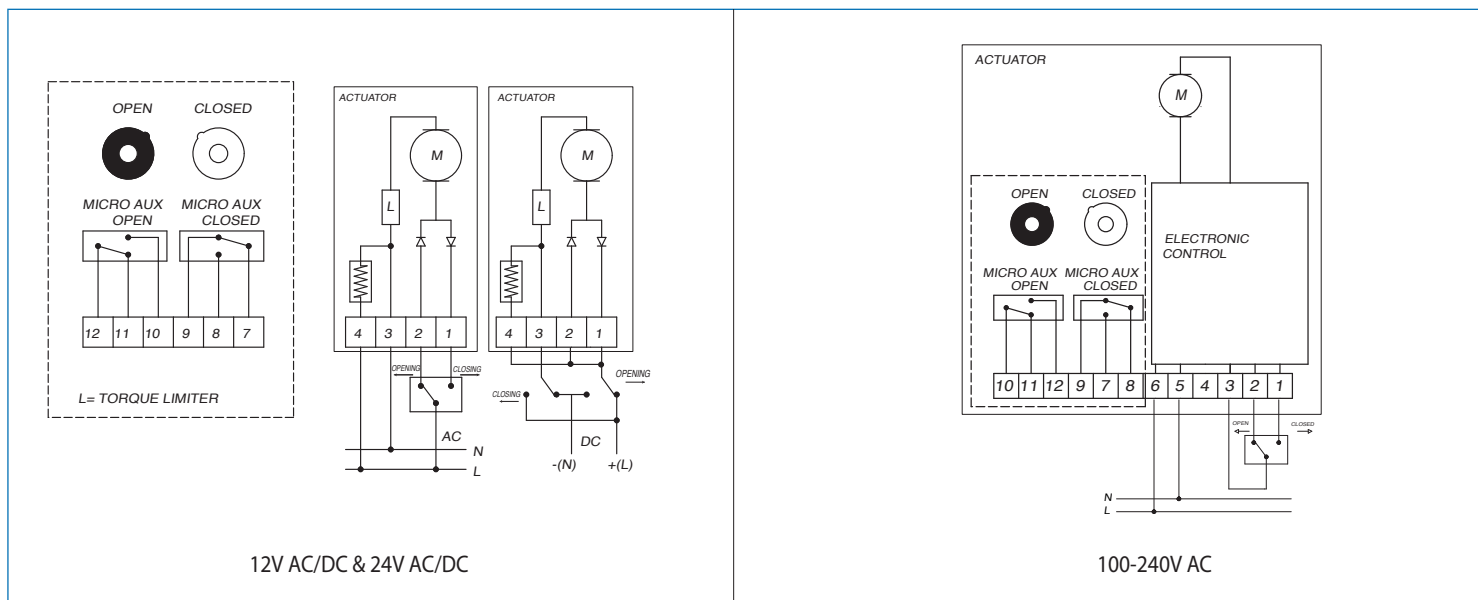
DIMENSIONS

Size	A	B	C	D	E	F	ACT.
1/2"	0.55	7.38	6.79	4.84	6.41	1.22	VB015
3/4"	0.75	7.61	6.87	4.84	6.41	1.30	VB015
1"	0.94	8.04	7.12	4.84	6.41	1.55	VB015
1-1/4"	1.18	8.33	7.26	4.84	6.41	1.69	VB015
1-1/2"	1.50	11.01	9.60	6.18	7.48	2.20	VB030
2"	1.98	11.62	9.97	6.18	7.48	2.57	VB030



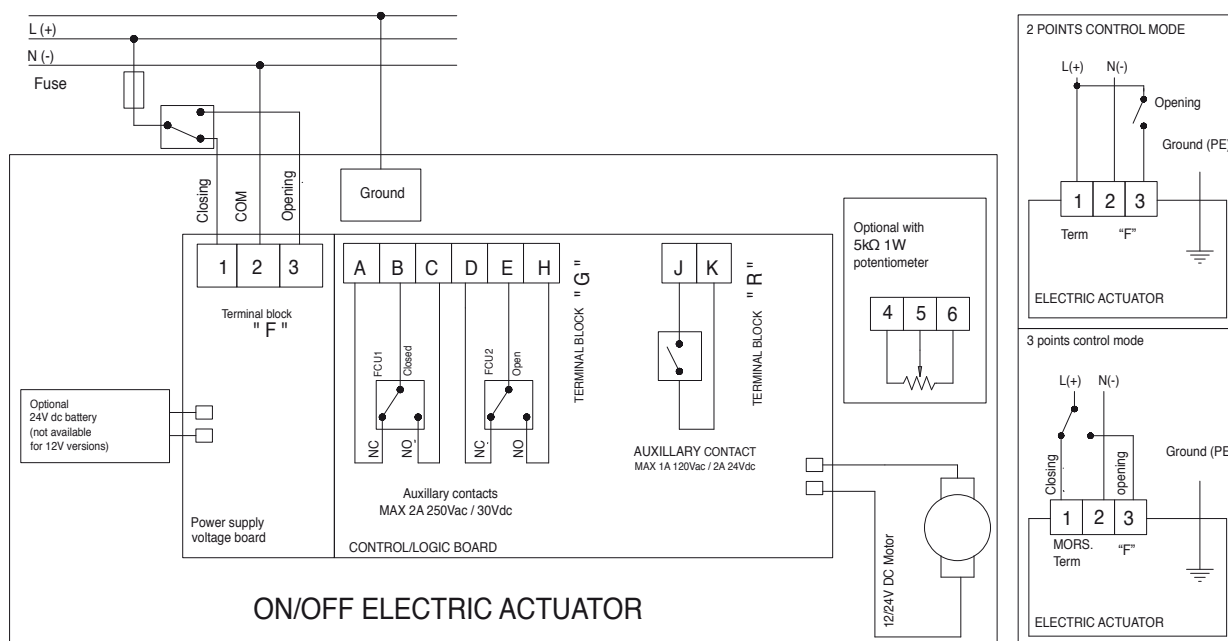
ON/OFF WIRING DIAGRAM - VB015

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



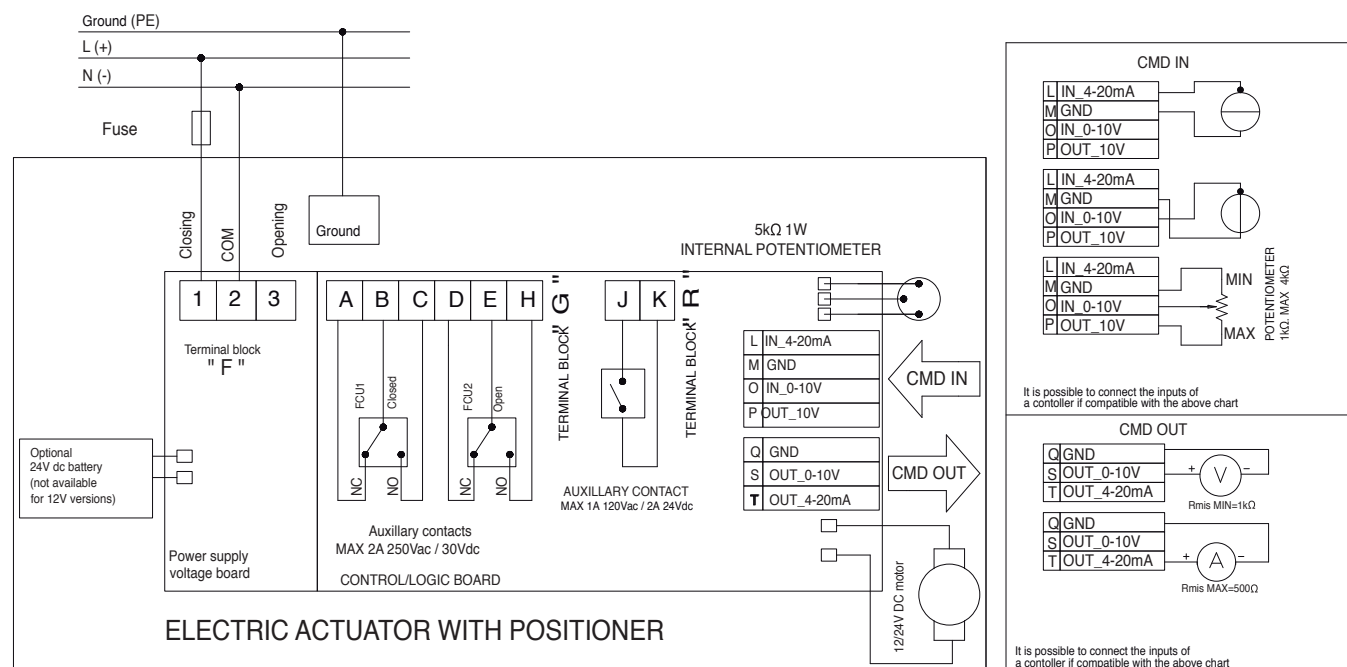
ON/OFF WIRING DIAGRAM - VB030

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



POSITIONER WIRING DIAGRAM - VB030

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").