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

M8E064LF-00*

250N DIRECT MOUNT, 2-WAY LEAD FREE BRASS, FULL PORT BALL VALVE W METAL ELECTRIC ACTUATOR

SIZES 1/4" TO 4"

M8E068LF-00*

253N DIRECT MOUNT, 2-WAY LEAD FREE BRASS, S/S BALL & STEM FULL PORT BALL VALVE W METAL ELECTRIC ACTUATOR

SIZES 1/4" 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

Bonomi North America series M8E064LF/ M8E068LF lead-free brass automated ball valve package features a rugged NEMA 4 metal housing and a full port 600 psi lead free brass ball valve. The M8E068LF features a stainless steel ball and stem.

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 very popular 250NLF series, lead-free, full port, low torque, with double O-ring stem seals for temperature fluctuation protection. The 250NLF/253NLF lead free ball valves come in sizes 1/4" - 4", 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

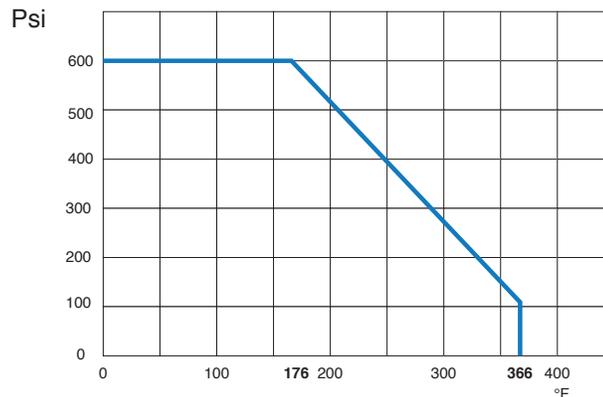
- Dual Voltages
- CSA, UL approved
- 24V AC/DC and 100-240V AC Models Available
- ISO 5211, F03/F05 base with 11mm female drive
- 75% Duty Cycle
- Anti-condensation heater, (when red wire is connected to power)
- High-Strength, Die Cast Aluminum Powder Coated Housing
- Temperature Range -4°F to 131°F
- NEMA 4 Housing
- Two Auxiliary Switches Standard
- Torque limiter standard
- Size VB110M and above include manual handwheel

VALVE FEATURES

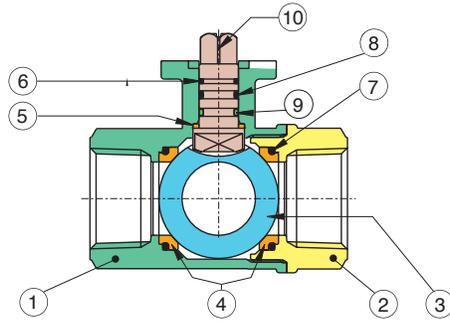
- 250N - LF Brass w/ Chrome Plated Ball & Stem
- 253N - Brass w/ Stainless Steel Ball & Stem
- Full Port, Sizes 1/4" to 4"
- ISO 5211 pad and square stem
- Pressure rating to 600 WOG
- Temperature range -4°F to 366°F
- Low torque design with back up O-ring seats
- Double O-ring stem seal design for extended cycle life
- 100% electronically tested in the open and closed position@80 Psi
- NSF 61/372



PRESSURE - TEMPERATURE CHART FOR SERIES 250NLF/253NLF

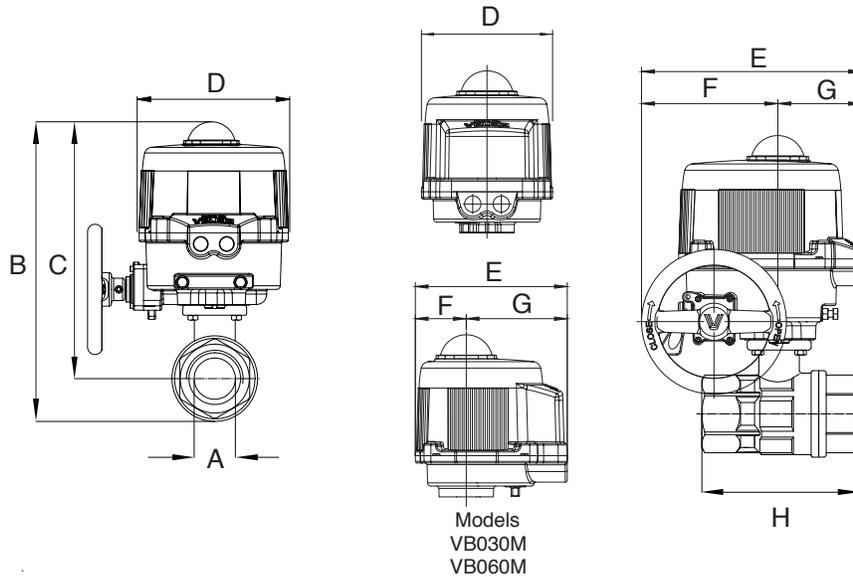


BILL OF MATERIALS FOR 250NLF/253NLF



| N POS | PART NAME | MATERIAL | N PCS |
|-------|----------------|-----------------|-----------------|
| 1 | BODY | LF BRASS C28500 | 1 |
| 2 | END CONNECTION | LF BRASS C28500 | 1 |
| 3 | BALL | LF BRASS C28500 | 1 |
| 4 | BALL SEAT | P.T.F.E. | 2 |
| 5 | THRUST WASHER | P.T.F.E. | 1 |
| 6 | STEM SEAL | P.T.F.E. | 1 |
| 7 | O-RING | FKM (Viton®) | 2 |
| 8 | O-RING | EPDM | 1 |
| 9 | O-RING | FKM (Viton®) | 1 |
| 10 | STEM | 250NLF | LF BRASS C28500 |
| | | 253NLF | AISI 304 |

DIMENSIONS

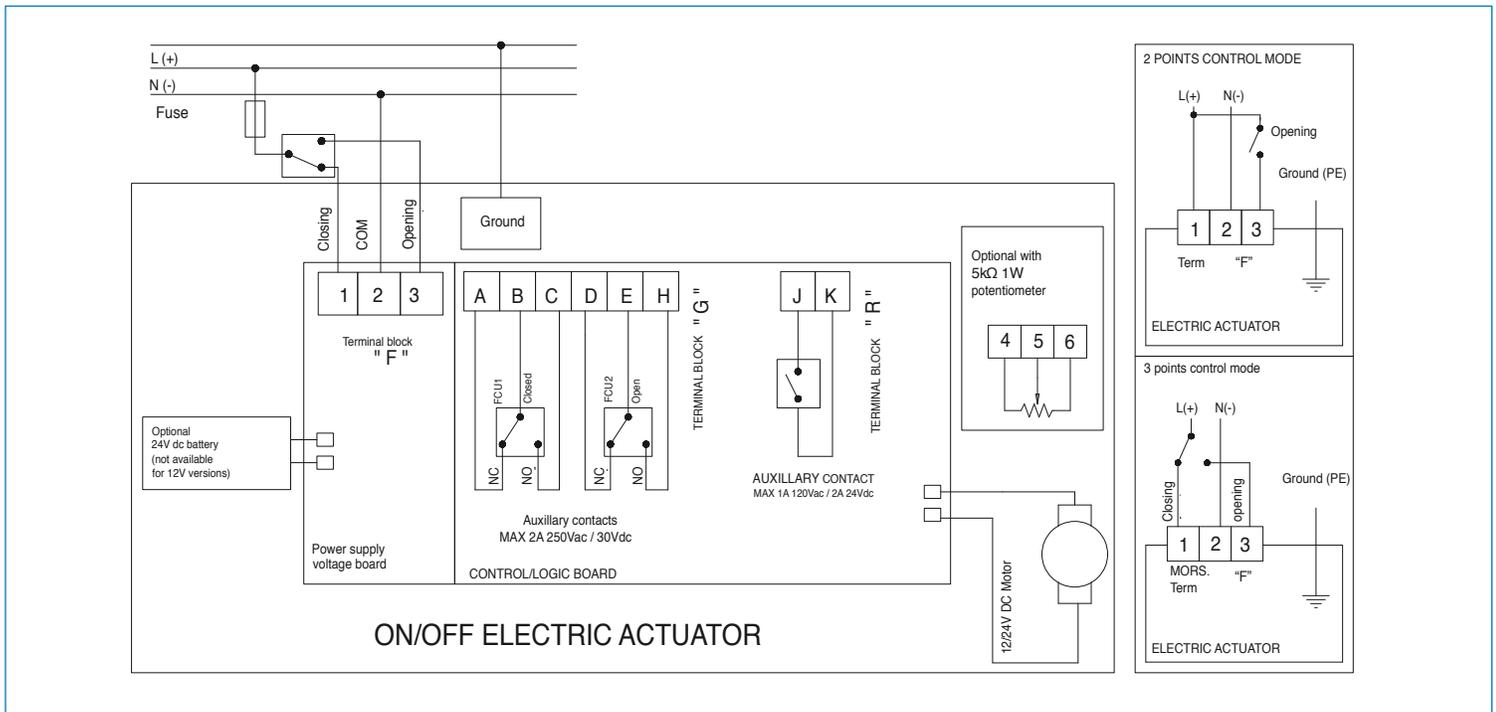


| Size | A | B | C | D | E | F | G | H | ACT. |
|--------|------|-------|-------|-------|-------|------|------|------|----------|
| 1/4" | .250 | 9.77 | 9.09 | 6.34 | 7.36 | 2.48 | 4.88 | 2.64 | VB030M |
| 3/8" | .375 | 9.77 | 9.09 | 6.34 | 7.36 | 2.48 | 4.88 | 2.64 | VB030M |
| 1/2" | .500 | 9.77 | 9.09 | 6.34 | 7.36 | 2.48 | 4.88 | 2.64 | VB030M |
| 3/4" | .750 | 9.97 | 9.25 | 6.34 | 7.36 | 2.48 | 4.88 | 2.99 | VB030M |
| 1" | 1.00 | 10.59 | 9.65 | 6.34 | 7.36 | 2.48 | 4.88 | 3.35 | VB030M |
| 1-1/4" | 1.25 | 10.91 | 9.9 | 6.34 | 7.36 | 2.48 | 4.88 | 3.66 | VB030M |
| 1-1/2" | 1.50 | 11.79 | 10.47 | 6.34 | 7.36 | 2.48 | 4.88 | 4.13 | VB030M |
| 2" | 2.00 | 12.51 | 11.00 | 6.34 | 7.36 | 2.48 | 4.88 | 4.80 | VB030M |
| 2-1/2" | 2.50 | 14.39 | 12.56 | 6.93 | 7.76 | 2.48 | 5.28 | 6.10 | VB060M |
| 3" | 3.00 | 15.20 | 13.18 | 6.93 | 7.76 | 2.48 | 5.28 | 6.89 | VB060M |
| 4" | 4.00 | 17.54 | 15.13 | 10.47 | 10.63 | 6.50 | 3.98 | 8.03 | VB110M** |

* 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

