


 NSF/ANSI
61, 372

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

MEN501N

RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND NYLON DISC WITH VALBIA ELECTRIC METAL ACTUATOR

SIZES 2" TO 12"

ME531N - VITON SEATS

MEN501S

RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND STAINLESS STEEL DISC WITH VALBIA METAL ELECTRIC ACTUATOR

SIZES 1-1/2" TO 12"

ME531S - VITON SEATS

ME541S - BUNA SEATS

*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 MEN501S and MEN501N packages, include ductile iron, epoxy coated, lug style, resilient EPDM seat butterfly valves in sizes 11/2"-12" are NSF/ANSI61/372 certified.

This series shall offer a dual stem design and ISO 5211/DIN3337 direct mounting for high cycle automation capabilities.

In addition, the MEN501S-MEN501N series features a phenolic-backed cartridge seat design which offers a 250CWP maximum pressure rating, dead-end service to 100 PSI, and conforms to ANSI B16.1 and ANSI B16.5

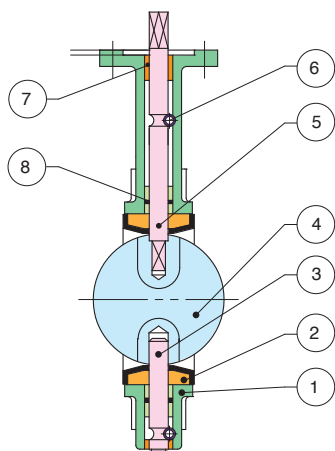
The MEN501 series also includes a rugged aluminum polyester powder coated metal housing NEMA 4 electric actuator, with standard features such as 2 extra limit switches, heater and thermostat, torque limiter, dual voltages, bubble type position indicator and a 75% duty cycle motor.

ACTUATOR FEATURES

- Dual Motors
- 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

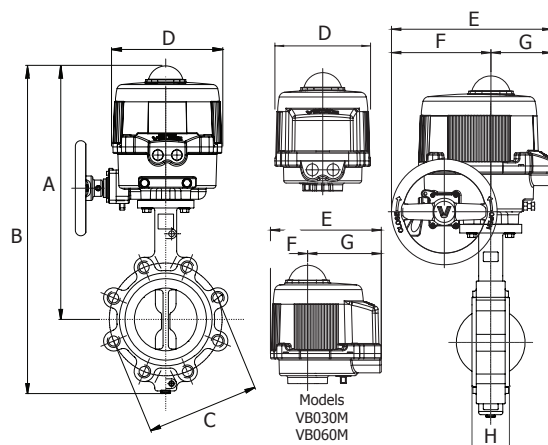
VALVE FEATURES

- ISO 5211 Direct Mount/Square Stem
- Epoxy coated Ductile Iron Lug body
- EPDM resilient seat (-30°F TO 250°F)
- 531N/531S - VITON seats (10°F TO 300°F)
- 541S - BUNA seats (10°F TO 250°F)
- API609 face to face flange
- Floating dual shaft disc design
- MSS SP 67 compliant
- No pins in disc prevent potential leak points
- NSF/ANSI 61, 372 approved



BILL OF MATERIALS

N POS	PART NAME	MODEL	MATERIAL	N PCS
1	BODY		CAST IRON	1
2	SEAT	N501N/N501S	EPDM (-30°F TO 250°F)	1
		531N/531S	VITON (10°F TO 300°F)	
		541S	BUNA (10°F TO 250°F)	
3	LOWER SHAFT		SS416	1
4	DISC 501N		CAST IRON / NYLON 11 COATED	1
	DISC 501S		STAINLESS STEEL	
5	UPPER SHAFT		SS416	1
6	LOCATING PIN		CARBON STEEL	1
7	BUSHING		P.T.F.E.	1
8	O-RING		EPDM	1
9	LEVER		EPOXY-COATED CARBON STEEL	1



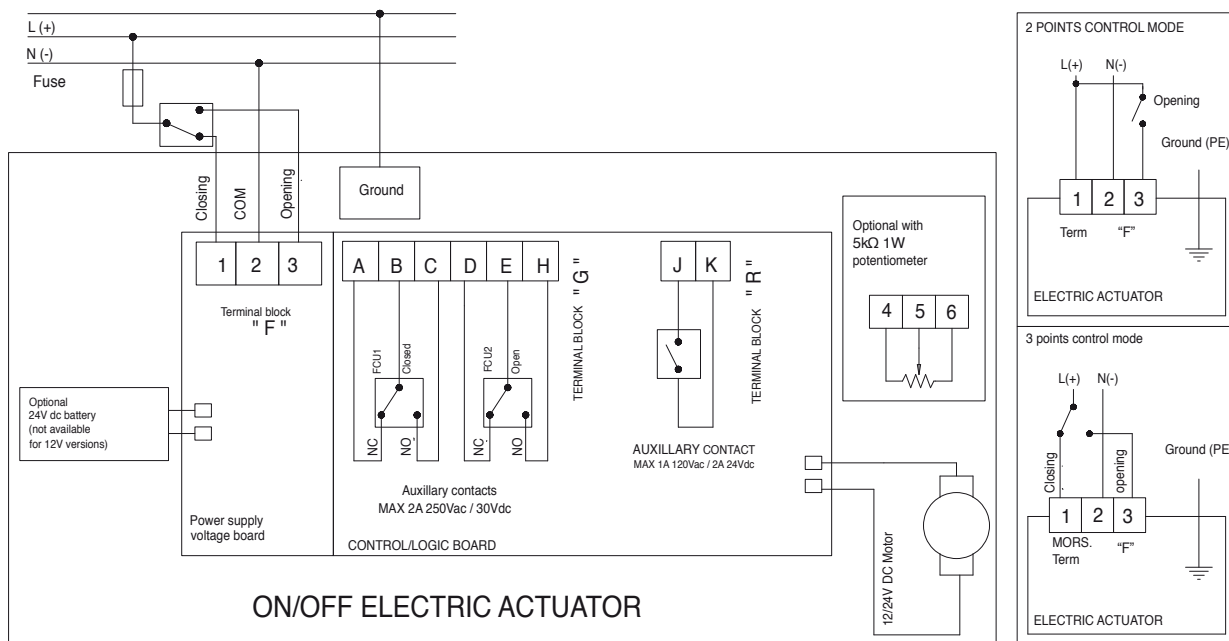
DIMENSIONS

Size	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12" **
A	13.54	14.17	14.72	14.96	16.53	18.02	18.58	19.96	21.22	25.77
B	16.51	17.32	18.22	18.70	21.02	23.02	24.05	26.85	29.21	35.30
C	4.74	4.74	5.49	6.00	7.50	8.50	9.50	11.75	14.25	17.00
D	6.34	6.34	6.34	6.34	6.93	10.63	10.63	10.83	10.83	15.50
E	7.36	7.36	7.36	7.36	7.76	10.47	10.47	10.98	10.98	11.57
F	2.48	2.48	2.48	2.48	2.48	6.50	6.50	7.24	7.24	7.24
G	4.88	4.88	4.88	4.88	5.28	3.98	3.98	3.74	3.74	4.33
H	1.61	1.65	1.76	1.78	2.05	2.14	2.20	2.34	2.58	3.03
Act.	VB060M	VB060M	VB060M	VB060M	VB060M	VB060M	VB190M	VB190M	VB350M	VB350M

* - available on MEN501S only

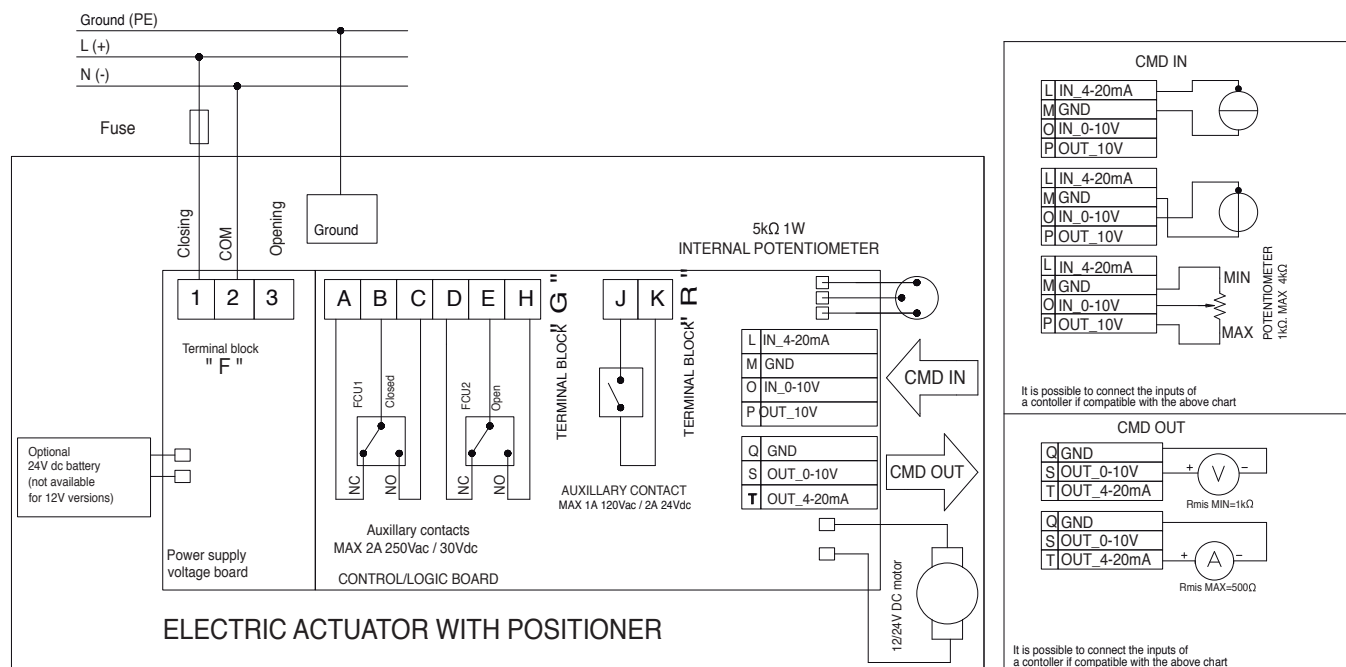
ON/OFF WIRING DIAGRAM

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").

3-POSITION WIRING DIAGRAM - 3-WAY VALVES ONLY

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

