NSF/ANSI 61, 372

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

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 - FKM SEATS

ME541S - NBR 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 packages, include ductile iron, epoxy coated, lug style, ANSI class 150, 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 series features a dovetail booted seat design which offers a 250CWP maximum pressure rating and conforms to ANSI B16.1 and ANSI B16.5
The MEN501S 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.

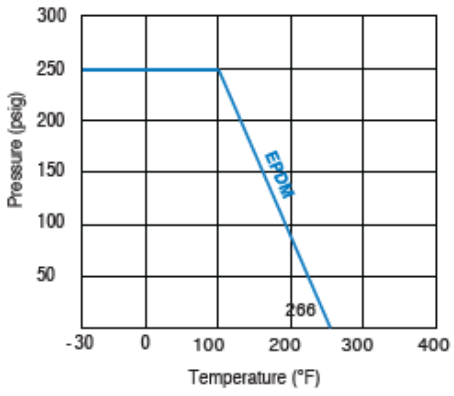
ACTUATOR FEATURES

- Dual 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

- ISO 5211 Direct Mount/Square Stem
- Epoxy coated Ductile Iron Wafer body
- EPDM resilient seat (-30°F TO 266°F)
- 531S - FKM seats (10°F TO 300°F)
- 541S - NBR 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
- ANSI class 150

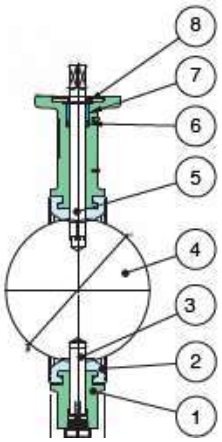
PRESSURE - TEMPERATURE CHART FOR SERIES N501S



GHIBSON valves

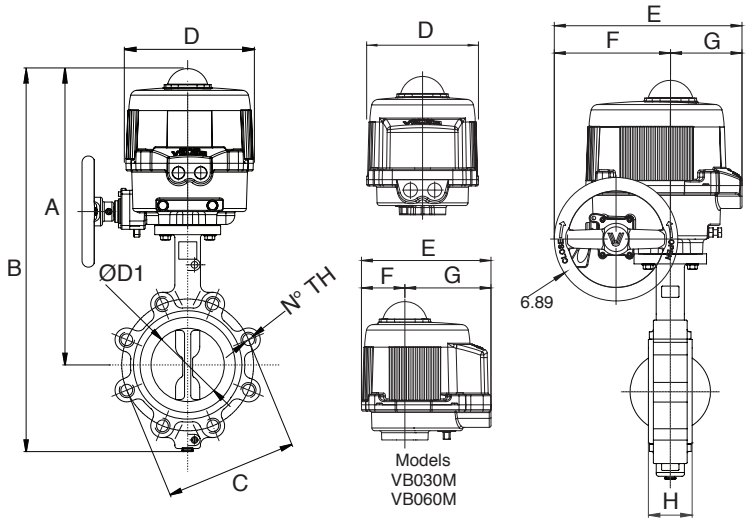
VALBIA

BILL OF MATERIALS FOR N501S



N POS	PART NAME	MODEL	MATERIAL	N PCS
1	BODY		DUCTILE IRON	1
2	SEAT	N501S	EPDM (-30°F TO 266°F)	1
		531S	FKM (10°F TO 300°F)	
		541S	NBR (10°F TO 250°F)	
3	LOWER SHAFT		A430F	1
4	DISC		ASTM A351 CF8M (A316)	1
5	UPPER SHAFT		A430F	1
6	O-RING		NBR	1
7	BUSHING		SINT. BRONZE	1
8	STOP RING		SPRING STEEL	1
9	LEVER		ALUMINIUM	1

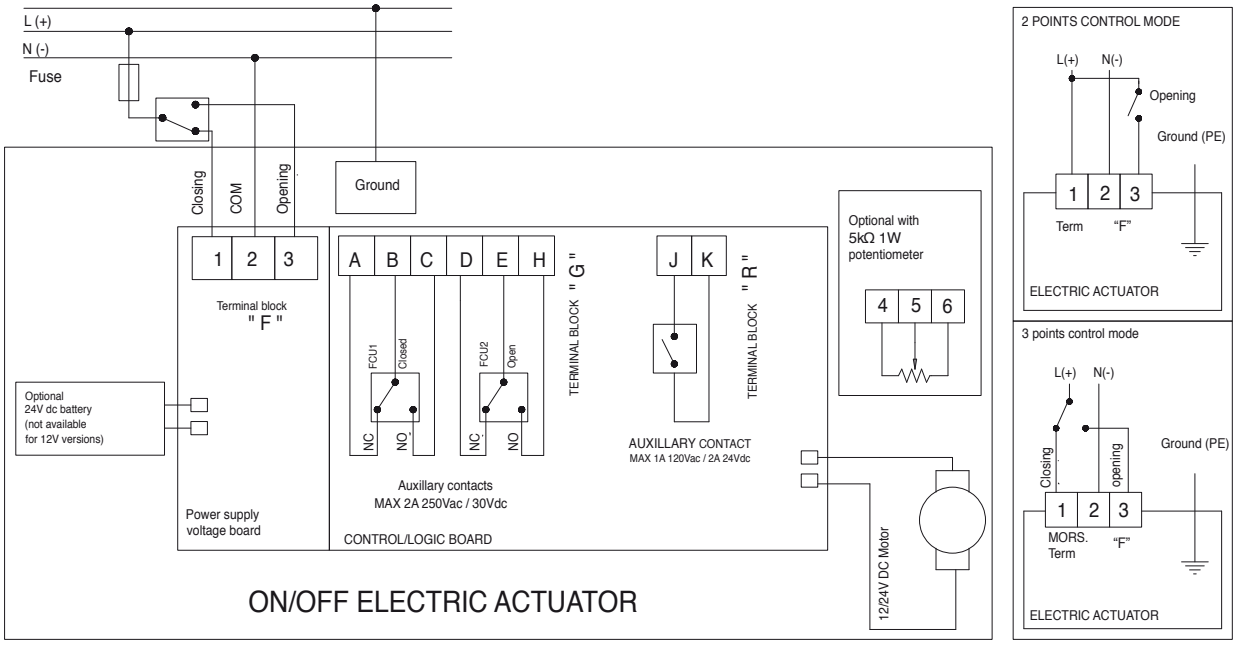
DIMENSIONS



Size	A	B	C	D	E	F	G	H	Act.
1-1/2″	13.59	16.47	3.88	6.34	7.36	2.48	4.88	1.40	VB030M
2″	13.91	17.06	4.74	6.34	7.36	2.48	4.88	1.81	VB030M
2-1/2″	14.14	18.00	5.50	6.34	7.36	2.48	4.88	1.93	VB030M
3″	14.69	18.95	6.00	6.93	7.76	2.48	5.28	1.93	VB060M
4″	16.08	21.06	7.50	6.93	7.76	2.48	5.28	2.17	VB060M
5″	18.13	23.32	8.50	10.63	10.47	6.50	3.98	2.32	VB110M
6″	18.81	24.85	9.51	10.63	10.47	6.50	3.98	2.36	VB190M
8″	19.73	27.09	11.75	10.83	10.98	7.24	3.74	2.56	VB270M
10″	20.91	29.55	14.25	10.83	10.98	7.24	3.74	2.93	VB350M
12″	22.09	31.80	17.00	10.83	10.98	7.24	3.74	3.32	VB350M

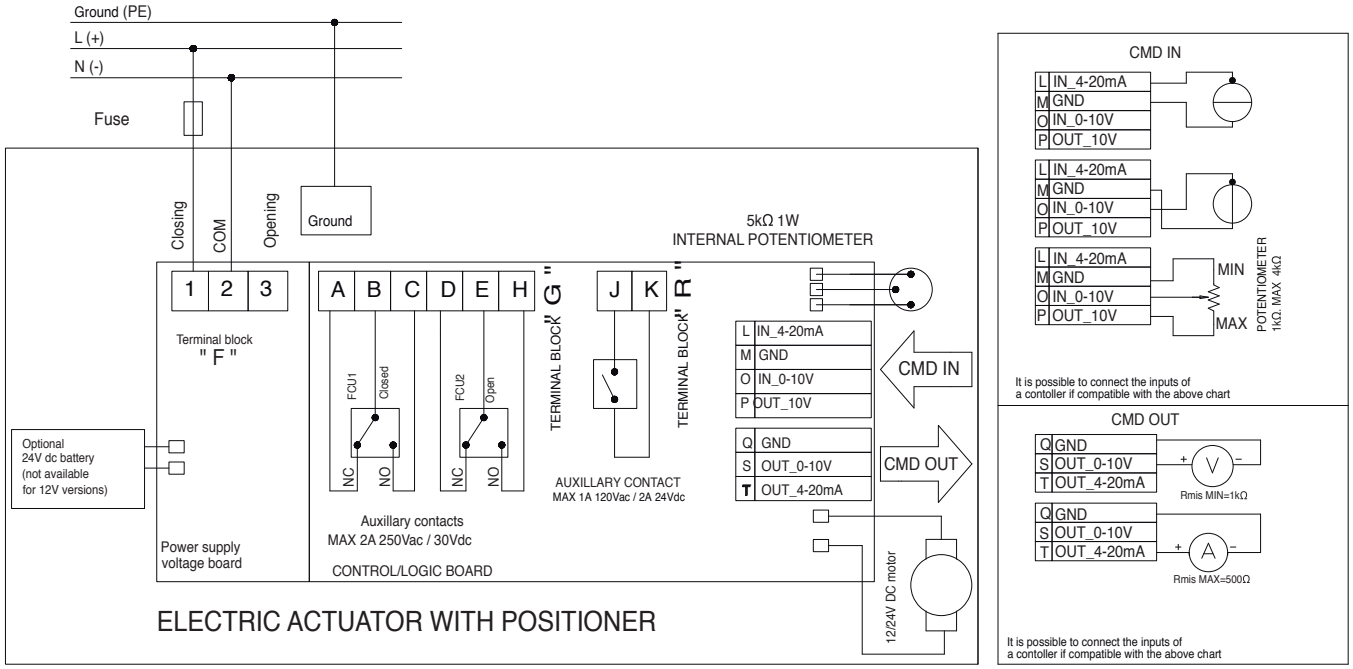
ON/OFF WIRING DIAGRAM - VB030M -VB350M

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



POSITIONER WIRING DIAGRAM - VB030M -VB350M

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”).