



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

## DAN501N

**N501N** RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND NYLON DISC WITH **DOUBLE ACTING** PNEUMATIC ACTUATOR

## DAN501S

**N501S** RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND SS DISC WITH **DOUBLE ACTING** PNEUMATIC ACTUATOR

SIZES 2" TO 12"

DA531S - VITON | DA541N/DA541S - BUNA

## SRN501N

**N501N** RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND NYLON DISC WITH **SPRING RETURN** PNEUMATIC ACTUATOR

## SRN501S

**N501S** RUBBER-LINED DIRECT MOUNT, LUG STYLE BUTTERFLY VALVE WITH EPDM SEATS AND SS DISC WITH **SPRING RETURN** PNEUMATIC ACTUATOR

SIZES 2" TO 12"

SR531S - VITON | SR541N/SR541S - BUNA

## SPECIFICATIONS

Bonomi North America series DAN501N/ DAN501S/SRN501N/N/SRN501S feature the N501N and N501S, Direct mount ,ductile iron lug style, epoxy coated, resilient seat butterfly valves in sizes 1-1/2"-12", with EPDM seat are NSF/ANSI 61/372 certified. The N501N offers a nylon coated disc, while the N501S has a stainless steel disc. This series shall offer a dual stem design and ISO 5211/DIN 3337 direct mounting for high cycle au-tomation capabilities.

In addition, the N501N-N501S series features a phenolic-backed cartridge seat design which offers a 250 CWP maximum pressure rating, dead-end service to 100 PSI, and conforms to ANSI B16.1 and ANSI B16.5

The Valbia pneumatic actuator comes with a hard-anodized aluminum body, and powder coated end caps. In addition, all Valbia pneumatic actuators are standardly furnished with elevated temperature seals to 302F. The patented side loaded limit stops never enter the piston chamber eliminating extra possible leak paths.

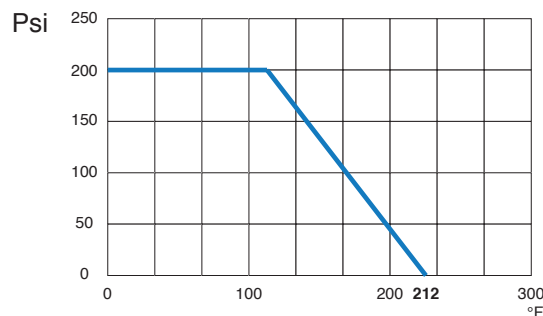
## ACTUATOR FEATURES

- Hard anodized extruded aluminum body
- Concentric spring sets
- Die cast aluminum end caps
- Solid steel barstock pinion (not casting)
- 0°-90° rotation adjustment cam
- 0°-90° rotation adjustment bolts
- POM piston guides
- Minimum air pressure rating: 80 psi
- Maximum air pressure rating: 116 psi
- Working temperature: -4°F - 302°F
- No lubrication maintenance required for the entire actuator lifetime
- 100% factory tested

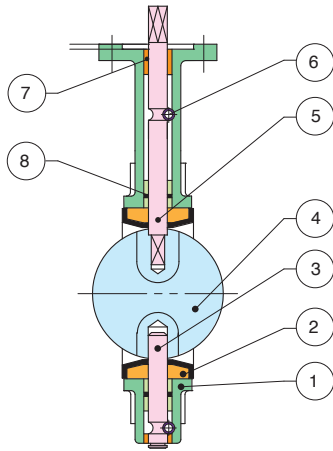
## VALVE FEATURES

- ISO 5211 Direct Mount /Square Stem
- Epoxy coated Ductile Iron Lug body
- EPDM resilient seat (-30°F TO 250°F)
- 531S - VITON seats (10°F TO 300°F)
- 541N/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

## PRESSURE - TEMPERATURE CHART FOR SERIES N500N/N500S

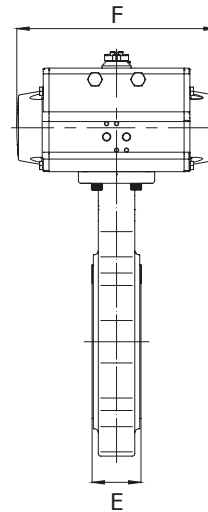
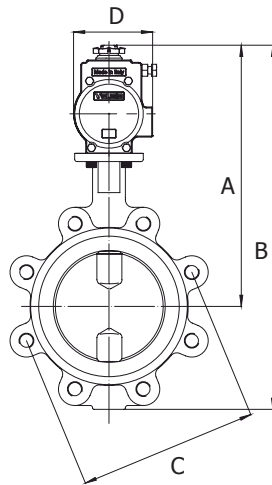


## BILL OF MATERIALS FOR N501N/N501S



N POS	PART NAME	MODEL	MATERIAL	N PCS
1	BODY		CAST IRON	1
2	SEAT	N501N/N501S	EPDM (-30°F TO 250°F)	1
		531S	VITON (10°F TO 300°F)	
		541N/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



### DAN501N DAN501S

N501N W/ **DOUBLE ACTING** ACTUATOR  
 N501S W/ **DOUBLE ACTING** ACTUATOR

### SRN501N SRN501S

N501N W/ **SPRING RETURN** ACTUATOR  
 N501S W/ **SPRING RETURN** ACTUATOR

Size	A	B	C	D	E	F	ACT. DA
1-1/2"*	9.71	12.68	4.74	2.80	1.61	5.55	52
2"	10.34	13.49	4.74	2.80	1.65	5.55	52
2-1/2"	10.89	14.39	5.49	2.80	1.70	5.55	52
3"	11.58	15.32	6.00	3.17	1.78	6.46	63
4"	13.03	17.52	7.50	3.72	2.05	8.27	75
5"	14.05	19.05	8.50	4.17	2.14	9.47	85
6"	15.12	20.59	9.50	4.17	2.19	9.47	85
8"	17.63	24.52	11.75	4.84	2.38	10.83	100
10"	20.44	29.43	14.25	6.46	2.58	17.13	140
12"	23.15	32.68	17.00	7.32	3.03	19.69	160

Size	A	B	C	D	E	F	ACT. SR
1-1/2"*	10.87	13.84	4.74	3.72	1.61	8.27	75
2"	11.50	14.65	4.74	3.72	1.65	8.27	75
2-1/2"	12.05	15.55	5.49	3.72	1.76	8.27	75
3"	12.84	16.58	6.00	4.17	1.78	9.47	85
4"	14.08	18.57	7.50	4.84	2.05	10.83	100
5"	15.91	20.91	8.50	5.39	2.14	13.11	115
6"	17.84	23.31	9.50	5.83	2.19	14.65	125
8"	20.12	27.01	11.75	7.32	2.38	19.69	160
10"	23.63	31.62	14.25	8.54	2.58	22.76	200
12"	C/F	C/F	C/F	C/F	C/F	C/F	C/F

\* Available on DAN501S Only

\* Available on SRN501S Only