



# SERIES 2120 - 24V DCA

## MODULATING SIEMENS DAMPER ELECTRIC ACTUATORS

### 2" - 5" RESILIENT SEATED BUTTERFLY VALVES

Rev. B

### SERIES 2120 BUTTERFLY VALVE

**SERVICE:** Chilled/Hot Water - 50% Glycol  
**FLOW CHARACTERISTIC:** Modified EQ%  
**SIZES:** 2" - 5"  
**BODY:** Ductile Iron ASTM A536  
**BODY COATING:** Fusion Bonded Epoxy  
**BODY PRESSURE RATING:** ASME/ANSI Class 125  
**WORKING PRESSURE:** 250 PSI for -22°F to 100°F  
**END FITTING:** Lugged ANSI Class 125/150 Flanged  
**DISC:** 304SS  
**STEM:** 416SS  
**SEAT:** EPDM  
**O-RING:** EPDM  
**BUSHING:** PTFE  
**CLOSE OFF:** 200 PSI  
**LEAKAGE:** Bubble Tight Shutoff  
**TEMPERATURE RANGE:** -22°F to 250°F

### DAMPER ACTUATORS

**NEMA 2 PROTECTION**  
**POWER SUPPLY:** 24VAC  $\pm$  20% 50/60Hz  
 24VDC  $\pm$  10%  
**TEMPERATURE RANGE:** -5°F to +125°F  
**RUNTIME:** 75 to 150 sec

#### POWER CONSUMPTION

**GEB161.1P:** 5VA                      **GCA161.1P:** 7VA / 5W  
**GIB161.1P:** 8VA

#### POWER CONNECTION

1/2" CONDUIT TO 3' CABLE (18 GA)



| MODULATING - NON-SPRING RETURN       |         |        |        |                        |
|--------------------------------------|---------|--------|--------|------------------------|
| INCH                                 | DN (MM) | Cv 60° | Cv 90° | VSI PN                 |
| 2"                                   | 50      | 64     | 135    | S2120SS-02/GEB161.1P   |
| 2.5"                                 | 65      | 98     | 220    | S2120SS-25/GIB161.1P   |
| 3"                                   | 80      | 116    | 302    | S2120SS-03/GIB161.1P   |
| 4"                                   | 100     | 230    | 600    | S2120SS-04/GIB161.1PX2 |
| 5"                                   | 125     | 392    | 1022   | S2120SS-05/GIB161.1PX2 |
| MODULATING - SPRING RETURN ACTUATORS |         |        |        |                        |
| INCH                                 | DN (MM) | Cv 60° | Cv 90° | VSI PN                 |
| 2"                                   | 50      | 64     | 135    | S2120SS-02/GCA161.1P   |
| 2.5"                                 | 65      | 98     | 220    | S2120SS-25/GCA161.1PX2 |
| 3"                                   | 80      | 116    | 302    | S2120SS-03/GCA161.1PX2 |

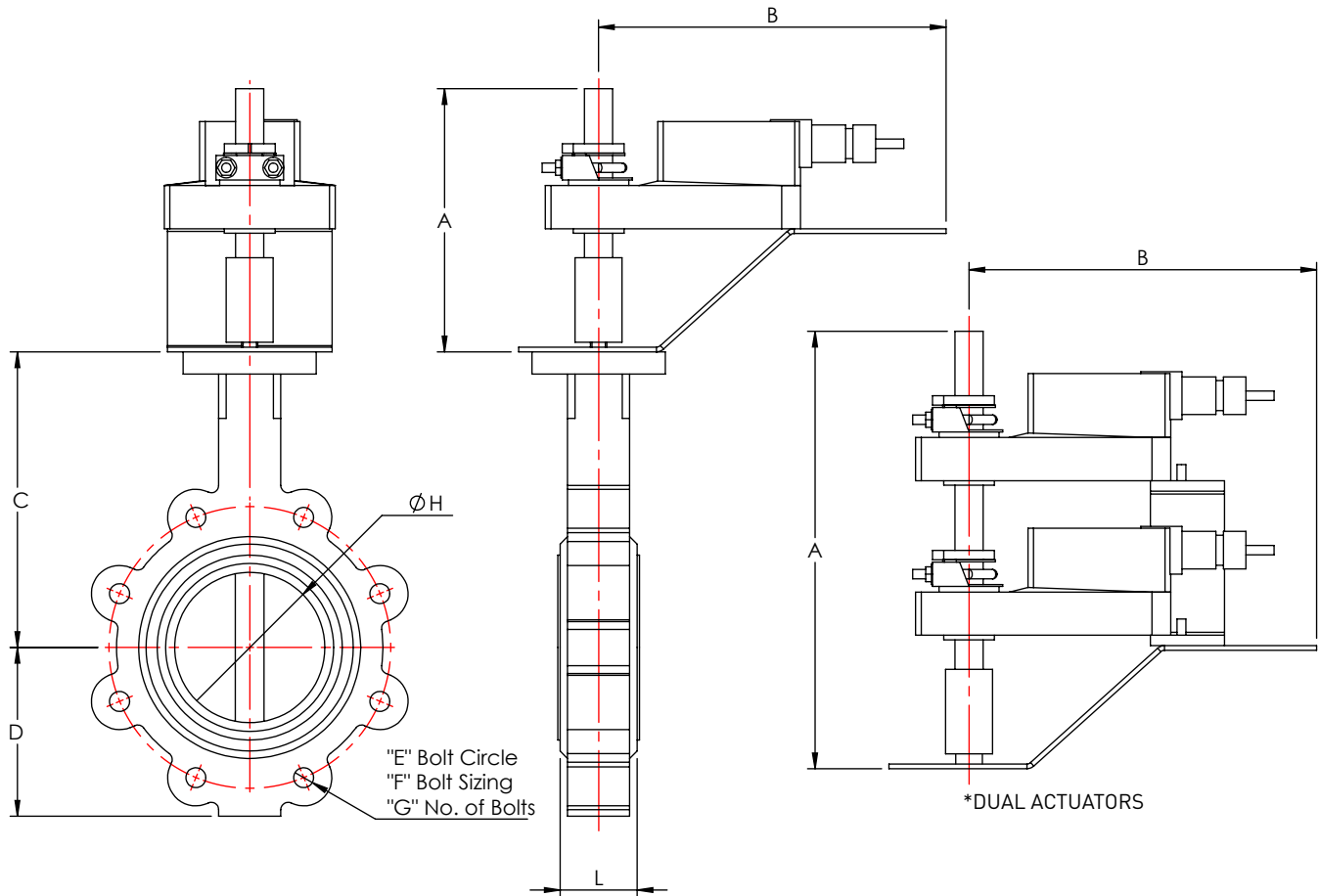
Please specify fail position when ordering.



# SERIES 2120 - 24V DCA

MODULATING SIEMENS DAMPER ELECTRIC ACTUATORS  
2" - 5" RESILIENT SEATED BUTTERFLY VALVES

## DIMENSIONAL INFORMATION



DIMENSIONS: mm(inches)

| NON-SPRING RETURN ACTUATORS |                         |     |             |              |               |            |            |      |              |            |           |  |
|-----------------------------|-------------------------|-----|-------------|--------------|---------------|------------|------------|------|--------------|------------|-----------|--|
| PSI                         | VALVE SIZE              |     | ACTUATOR    | A            | B             | C          | D          | E    | F x G        | H          | L         |  |
|                             | INCH                    | DN  |             |              |               |            |            |      |              |            |           |  |
| 200 PSI                     | 2                       | 50  | GEB161.1P   | 203.2 (8)    | 234.95 (9.25) | 161 (6.34) | 80 (3.15)  | 4.75 | 4 x 5/8 - 11 | 50.8 (2)   | 43 (1.69) |  |
|                             | 2.5                     | 65  | GIB161.1P   | 203.2 (8)    | 234.95 (9.25) | 175 (6.89) | 89 (3.5)   | 5.5  | 4 x 5/8 - 11 | 63.5 (2.5) | 46 (1.81) |  |
|                             | 3                       | 75  | GIB161.1P   | 203.2 (8)    | 234.95 (9.25) | 181 (7.13) | 95 (3.74)  | 6    | 4 x 5/8 - 11 | 76.2 (3)   | 46 (1.81) |  |
|                             | 4                       | 100 | GIB161.1PX2 | 342.9 (13.5) | 234.95 (9.25) | 200 (7.87) | 114 (4.49) | 7.5  | 8 x 5/8 - 11 | 101.6 (4)  | 52 (2.05) |  |
|                             | 5                       | 125 | GIB161.1PX2 | 342.9 (13.5) | 234.95 (9.25) | 226 (8.9)  | 127 (5)    | 8.5  | 8 x 3/4 - 10 | 127 (5)    | 56 (2.2)  |  |
|                             | SPRING RETURN ACTUATORS |     |             |              |               |            |            |      |              |            |           |  |
|                             | 2                       | 50  | GCA161.1P   | 203.2 (8)    | 234.95 (9.25) | 161 (6.34) | 80 (3.15)  | 4.75 | 4 x 5/8 - 11 | 50.8 (2)   | 43 (1.69) |  |
|                             | 2.5                     | 65  | GCA161.1PX2 | 342.9 (13.5) | 234.95 (9.25) | 175 (6.89) | 89 (3.5)   | 5.5  | 4 x 5/8 - 11 | 63.5 (2.5) | 43 (1.69) |  |
|                             | 3                       | 75  | GCA161.1PX2 | 342.9 (13.5) | 234.95 (9.25) | 181 (7.13) | 95 (3.74)  | 6    | 4 x 5/8 - 11 | 76.2 (3)   | 43 (1.69) |  |