



## Pressure and Differential Pressure Switches, Watertight 316 SS Enclosure, G-Series

*This broad Ashcroft® switch series is easy to use and readily retrofits to virtually all process, industrial and OEM applications.*

- Single or dual independently adjustable setpoints meet all setpoint requirements
- Watertight NEMA 4X, IP65 enclosure
- 316 SS construction
- Choice of switch elements for all applications, including hermetically sealed
- Fixed or fully adjustable deadband
- Approved for UL and CSA ratings
- Wide choice of actuators, including

### 1 - FUNCTION

- GPA** - Pressure control, single setpoint, adjustable deadband
- GPD** - Pressure control, two independently adjustable setpoints, fixed deadband
- GPS** - Pressure control, single setpoint, fixed deadband
- GDA** - Differential pressure control, single setpoint, adjustable deadband
- GDD** - Differential pressure control, two independently adjustable setpoints, fixed deadband
- GDS** - Differential pressure control, single setpoint, fixed deadband

### 2 - ENCLOSURE

- N4** - NEMA 4/4X, IP65 (watertight and corrosion resistant)

### 3 - SWITCH ELEMENTS FOR GPA & GDA CONTROLS

| Code | Description/Maximum Electrical Ratings UL/CSA Listed                          |
|------|-------------------------------------------------------------------------------|
| H    | General purpose<br>10A, 125/250 Vac<br>1/2A, 125 Vdc<br>1/4A, 250 Vdc         |
| J    | Hermetically sealed switch, general purpose<br>11A, 125/250 Vac<br>5A, 30 Vdc |

### SWITCH ELEMENTS FOR GPD, GPS, GDD & GDS CONTROLS

| Code             | Switch Elements UL/CSA Listed |                                                                               |
|------------------|-------------------------------|-------------------------------------------------------------------------------|
|                  | Single (GS)                   | Dual (GD)                                                                     |
| K <sup>(4)</sup> | KK                            | Narrow deadband<br>15A, 125/250 Vac                                           |
| F <sup>(4)</sup> | FF                            | Sealed environment proof<br>15A, 125/250 Vac                                  |
| G <sup>(5)</sup> | GG                            | General purpose<br>15A, 125/250/480 Vac<br>1/2A, 125 Vdc<br>1/4A, 250 Vdc     |
| P <sup>(3)</sup> | PP                            | Hermetically sealed switch, narrow deadband<br>5A, 125/250 Vac                |
| J                | JJ                            | Hermetically sealed switch, general purpose<br>11A, 125/250 Vac<br>5A, 30 Vdc |

*designs for fire-safe and NACE applications<sup>(7)</sup>*

- Standard pressure connection materials:
  - Pressure psi ranges - 316L stainless steel
  - Differential psid ranges - 316 stainless steel standard
  - Pressure and differential inches of water ranges - 316 stainless steel standard
- Readily available
- 3A sanitary connection available<sup>(7)</sup>
- Setpoints adjustable from 15-100% of range

### 4 - ACTUATOR SEAL<sup>(1)</sup>

| Code & Material        | Process Temp. <sup>(2)</sup> Limits °F | Range                     |           |          |               |
|------------------------|----------------------------------------|---------------------------|-----------|----------|---------------|
|                        |                                        | Vac. in. H <sub>2</sub> O | 0-600 psi | 1000 psi | 2000-3000 psi |
| B-Buna N               | 0 to 150                               | ●                         | ●         | ●        | ●             |
| V-Viton                | 20 to 300                              | ●                         | ●         | ●        | ●             |
| T-Teflon               | 0 to 150                               | ●                         | ●         | ●        | ●             |
| S-SS <sup>(6)</sup>    | 0 to 300                               |                           | ●         | ●        |               |
| P-Monel <sup>(6)</sup> | 0 to 300                               |                           | ●         | ●        |               |

### 5 - PRESSURE PORT<sup>(1)</sup>

| Order Code |                                         |
|------------|-----------------------------------------|
| 25         | ¼ NPT Female                            |
| 06         | ¼ NPT Female and ½ NPT Male Combination |
| 07         | ½ NPT Female                            |

### 6 - OPTIONS

See pages 238-239

### 7 - STANDARD PRESSURE RANGES

See page 237

### NOTES:

1. These items are wetted by process fluid.
2. Ambient operating temperature limits -20 to 150°F, all styles. Setpoint shift of ±1% of range per 50°F temperature change is normal. Switches calibrated at 70°F reference.
3. Estimated dc rating, 2.5A, 28 Vdc (not UL listed).
4. Estimated dc rating, .4A, 120 Vdc (not UL listed).
5. Not UL listed at 480 Vac.
6. Available on pressure only.
7. Refer to Option Table.

### TO ORDER THIS G-SERIES PRESSURE SWITCH:

- Select:** \_\_\_\_\_ **GPD N4 GG B 25 X07 30#**
1. Function: \_\_\_\_\_
  2. Enclosure: \_\_\_\_\_
  3. Switch Element: \_\_\_\_\_
  4. Actuator Seal: \_\_\_\_\_
  5. Pressure Port: \_\_\_\_\_
  6. Options (see pages 238-239): \_\_\_\_\_
  7. Pressure Range (see page 237): \_\_\_\_\_



CE  
LOOK FOR THIS AGENCY MARK ON OUR PRODUCTS

### HERMETICALLY SEALED SWITCH

We recommend hermetically sealed switch elements for improved reliability. The hermetically sealed switch provides uncompromising contact protection in harsh or corrosive environments. The Ashcroft G Series is also approved for installation in Division II hazardous areas when supplied with hermetically sealed contacts.

Features:

- UL-recognized component, guide WSQ2, File E85076
- All-stainless steel welded construction

