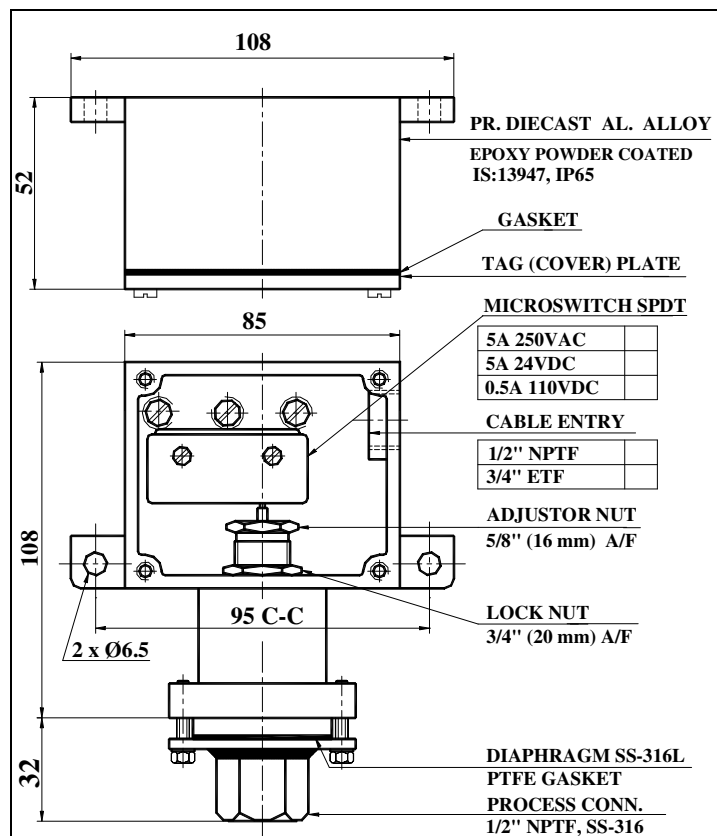


DAG Pressure switches are **diaphragm** operated, **fixed differential** type. Diaphragm movement is transferred to an **SPDT** switch, which gives (**NO-NC-COM**) change-over contacts. A counteracting spring is used to achieve the required settable range. Set point adjustment can be done internally using a 16mm spanner. Turning in the adjuster (from right to left) increases the pressure setting & vice-versa. **Calibration** has to be done against a Pressure gauge. (*We do not provide an **indicating scale** due to its high inaccuracy & believe that **safety settings** should be set against a test gauge only*).

The standard switch has an SS-316L Diaphragm, SS-316 wetted parts, IP-65 Pressure Diecast Aluminium enclosure, 1/4"NPTF Process Connection, 3/4"ETF cable entry & SPDT Microswitch.



#### Model decoding

|               |                                        |
|---------------|----------------------------------------|
| <b>WP/</b>    | : Weatherproof IP65 enclosure          |
| <b>A-2</b>    | : Ranges upto 6 kg/cm <sup>2</sup>     |
| <b>A-2H</b>   | : Ranges upto 25 kg/cm <sup>2</sup>    |
| <b>A-2HP</b>  | : Ranges upto 40 kg/cm <sup>2</sup>    |
| <b>A-2VHP</b> | : Ranges beyond 40 kg/cm <sup>2</sup>  |
| <b>A-3</b>    | : Ranges upto 6000 mm WC               |
| <b>A-4</b>    | : Ranges upto 400 mm WC                |
| <b>C</b>      | : ± Compound Range                     |
| <b>V</b>      | : Vacuum                               |
| <b>D</b>      | : Differential                         |
| <b>F</b>      | : Flanged Process Connection           |
| <b>-T</b>     | : PTFE Wetted Parts / Diaphragm        |
| <b>-DS</b>    | : Diaphragm Sealed                     |
| <b>-H</b>     | : Higher Pressure Protection           |
| <b>-S</b>     | : Special Wetted Parts / Diaphragm     |
| <b>-LM</b>    | : Limit Switch (Direct/Lever Operated) |
| <b>-P</b>     | : Pneumatic Out Put                    |

**Example:** WP/A-2CF-H-DS

Weatherproof to IP-65  
Range -1 to +6 kg/cm<sup>2</sup>  
Flanged Process Connection  
Higher Pressure Protection (> 150%)  
Diaphragm Sealed type

#### Specifications

|                              |                                                                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enclosure</b>             | : Pressure Diecast Aluminium, Epoxy Powder Coated (SS/MS on request)<br>Weatherproof to IS:13947; IP65 (IP66, 67, 68 on request)          |
| <b>Mounting</b>              | : Direct / Wall / 2"Yoke                                                                                                                  |
| <b>Adjustment</b>            | : Internal, Tamperproof with lock nut                                                                                                     |
| <b>Element</b>               | : Formed Diaphragm / Piston for Pressure higher than 160 kg/cm <sup>2</sup>                                                               |
| <b>Material</b>              | : SS-316 / PTFE / Monel / Hastalloy 'C' / Tantalum (Others on Request)                                                                    |
| <b>Switch</b>                | : SPDT Snap Acting Micro                                                                                                                  |
| <b>Rating</b>                | : Upto 5A, 15A 250VAC / 5A 24VDC / 0.5A 110VDC                                                                                            |
| <b>Contact</b>               | : Silver / Gold Plated / Hermetically Sealed                                                                                              |
| <b>Differential</b>          | : Fixed minimum < 5%, FSR, <20% for Hermetically Sealed Switch                                                                            |
| <b>Accuracy</b>              | : ± 1%, ± 2% (±0.5% on Request)                                                                                                           |
| <b>Repeatability</b>         | : ± 1%, ± 2% (±0.5% on Request)                                                                                                           |
| <b>Overrange</b>             | : 150% of range (Higher or Full Vacuum optional)                                                                                          |
| <b>Temperature</b>           | : -40° to +200°C, -40° to +200°C                                                                                                          |
| <b>Process Conn.</b>         | : 1/4"NPTF, 1/2"NPTM/F/BSPM, NB25, NB40, NB50 Flanged, Extended Diaphragm<br>Triclover Direct welded for Food Grade (Size as per request) |
| <b>Material</b>              | : SS-316 / Monel / CS / PTFE Teflon, (Others on Request)                                                                                  |
| <b>Cable Entry</b>           | : 3/4"ETF, 1/2"NPTF, PG13.5 (Others through adapter)                                                                                      |
| <b>O<sub>2</sub> Service</b> | : Duly De-Greased Wetted Parts                                                                                                            |

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