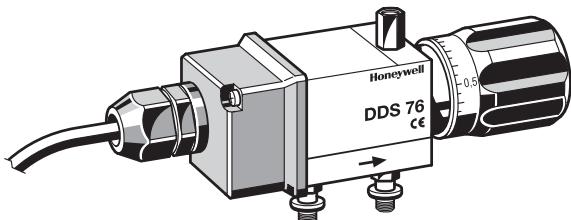


**DDS76**

## Differential pressure switch

**Product specification sheet****CE****Materials**

- High quality synthetic material housing

**Construction**

Suitable for:

- F76, F76S fine filters
  - o In conjunction with the Z11S automatic reverse rinsing actuator
- F76S-F fine filters with flanges
  - o In conjunction with the Z11AS automatic reverse rinsing actuator.

|            | for F76, F76S | for F76S-F   |
|------------|---------------|--------------|
| DDS76-1/2  | 1/2" + 3/4"   | —            |
| DDS76-1    | 1" + 1 1/4"   | DN 65/80/100 |
| DDS76-11/2 | 1 1/2" + 2"   | —            |

**Application**

The DDS76 differential pressure switch takes over control of the reverse rinsing operation on the Honeywell F76, F76S and F76S-F filters in conjunction with an automatic reverse rinsing actuator with volt-free contacts.

**Special Features**

- Easy setting of the differential pressure
- Simple assembly

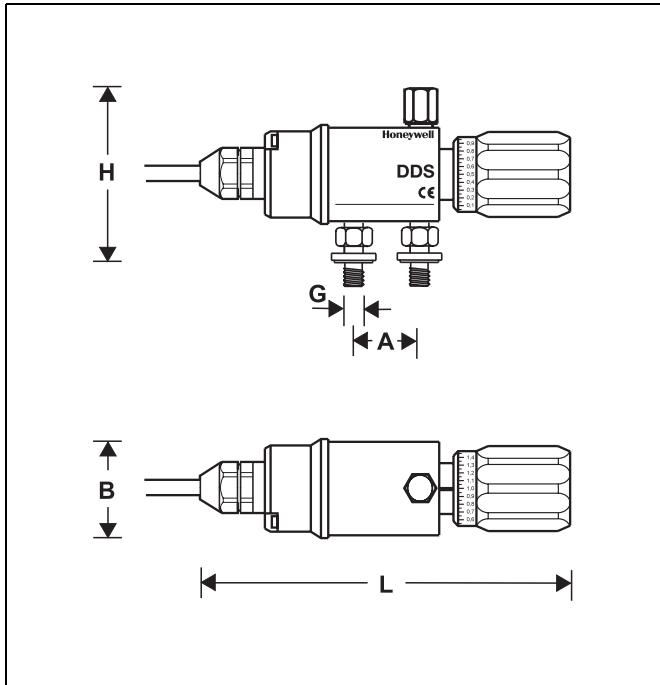
**Range of Application**

|               |   |
|---------------|---|
| Medium        | Water   |
| Setting range | 0.1 to 1.6 bar<br>(set at 1.0 bar during manufacture) |

**Technical Data**

|   |   |
|---|---|
| Cable                                     | 1 meter with connector bush                                 |
| Maximum static pressure*                  | 25.0 bar  |
| Maximum static operating pressure*        | 16.0 bar  |
| Maximum permissible temperature of medium | + 70 °C   |
| Maximum permissible ambient temperature   | + 80 °C   |
| Microswitch hysteresis                    | Approximately 2 %   |
| Maximum microswitch loading               | $U_{max} = 24 V$<br>$I_{max} = 0.8 A$<br>$P_{max} = 19.2 W$ |

\* Trouble-free operation of the unit is only assured up to a pressure of 16.0 bar. It can withstand pressures up to 25.0 bar without damage, but the switching function cannot then be guaranteed.



### Method of Operation

The DDS76 differential pressure switch actuates the reverse rinsing operation by comparing the pressures before and after the filter mesh. If the differential pressure rises above the set value, then the automatic reverse rinsing actuator is operated via its volt-free contacts.

| Connection size | R          | 1/2"   | 1"     | 1 1/2" |
|-----------------|------------|--------|--------|--------|
| Weight          | approx. kg | 0.9    | 0.9    | 0.9    |
| Dimensions      | mm         |        |        |        |
|                 | A          | 28     | 33     | 41     |
|                 | B          | 44     | 44     | 44     |
|                 | H          | 77     | 77     | 77     |
|                 | L          | 160    | 160    | 160    |
|                 | G          | G 1/4" | G 1/4" | G 1/4" |

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