

GENERAL CHARACTERISTICS



The pressure switches VSV series use, as sensitive element, a diaphragm.

An electrical contact, SPDT type, is activated when the set value is reached. The adjusting screw is mounted on the head of the instruments, you can set the calibration value, within the entire measuring range.

Appropriate mechanical stops protect the electrical contact from excess of pressure.

The electrical connections is realized via a DIN-43650 plug with IP65 degree of protection.

These pressure switches are used pneumatic equipment, in the industrial plants, pumps, etc..



- Vacuum control from -100 to -900 mbar.
- SPDT contact.
- Easy to use and adjust.
- Easy to install.

SETTING RANGES

Tab.1

| Diaphragm | Tolerance value | P max | T max (•) | Code |
|-------------|-----------------|-------|--------------------------|------------|
| mbar | mbar | bar | °C | |
| -150 ÷ -800 | ± 40 | 25 | -20/+80 | 800 |
| | | | Factory set - Decreasing | 00D |
| | | | Factory set - Increasing | 00U |

► The set point value is shown in description master data ◀

(•) Riference to NBR diaphragm

TECHNICAL DATA

Tab.2

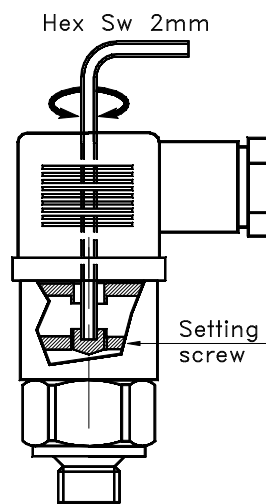
| | Description | S Standard R On request | | Code | |
|---------------------|--------------------------|----------------------------|-------|----------|------------|
| | | Body | Brass | | S |
| | Stainless steel AISI-316 | - | R | X | |
| Diaphragm and seals | | °C | | | |
| | NBR | -20/+80 | S | - | (-) |
| | EPDM | -20/+90 | - | R | E |
| | VITON | -20/+150 | - | R | V |
| | PTFE | -30/+200 | - | R | T |

| | Description | S Standard R On request | | Code | |
|--------------------|---------------------|----------------------------|--------------------|----------|-----------|
| | | Process connection | 1/8" M - UNI 228/1 | | - |
| 1/8" M - UNI 7/1 | - | | R | 2 | |
| 1/8" M - NPT | - | | R | 4 | |
| 1/4" M - UNI 7/1 | - | | R | 6 | |
| 1/4" M - UNI 228/1 | S | | - | 1 | |
| 1/4" M - NPT | - | | R | 5 | |
| M10x1- Taper | - | | R | 3 | |
| Contact | 250VAC 0,5A | | SPDT | - | R |
| | 48 VDC 0,2A | | | | |
| Electrical output | Plug DIN 43650 | IP65 | S | - | M3 |
| - | Mechanical life | 10 ⁶ cicli | S | - | - |
| - | Switching frequency | 90 cycle/min | S | - | - |

ADJUSTMENT

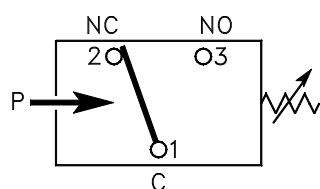
To adjust the set point, turn the screw located into the head of the pressure switch.

- Clockwise = Increase (+)
- Counterclockwise = decrease (-)



WIRING

Tab.3

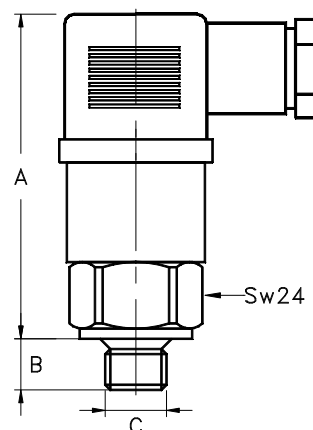


SPDT

F4

DIMENSIONS mm.

| A | B | C | Code |
|----|------|--------------------|------|
| 66 | 9 | 1/8" M - UNI 228/1 | 0 |
| 66 | 9 | 1/8" M - UNI 7/1 | 2 |
| 66 | 9,5 | 1/8" M - NPT | 4 |
| 66 | 14,4 | 1/4" M - UNI 7/1 | 6 |
| 66 | 10,5 | 1/4" M - UNI 228/1 | 1 |
| 66 | 14,4 | 1/4" M - NPT | 5 |
| 66 | 9 | M10x1 Taper | 3 |



NOMENCLATURE

| VSV | F4 | 800 | M3 | (-) | V | 6 | IP65 |
|-----|----|-----|----|-----|---|---|------|
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|---------|-------------------------------------|
| - | Type |
| Tab.2-3 | Contact type and wiring |
| Tab.1 | Adjustable range or Set point value |
| Tab.2 | Electrical output |
| Tab.2 | Body material |
| Tab.2 | Diaphragm material |
| Tab.2-4 | Process connection |
| Tab.2 | Degree of protection |