



## PRESSOSTATO **SERIE SP** PRESSURE SWITCH **SP SERIES**

### Descrizione

Il pressostato serie SP trova il suo ottimale utilizzo nei seguenti settori:

- Riscaldamento (caldaie murali)
- Sistemi di condizionamento
- Sistemi a caldaia (stiro, caffè, lavamoquette, giardinaggio, ecc.)
- Applicazioni industriali
- Trattamento acque

Costituito da un elemento sensibile in AISI, è compatibile nel suo utilizzo con diversi tipi di fluidi gassosi o liquidi, con temperature fino a 150° C.

La taratura è regolabile.

E' costruito con tecnopolimero rinforzato.

L'utilizzo della tecnologia di saldatura ad ultrasuoni, rende omogeneo e stabile nel tempo l'accoppiamento dei componenti che costituiscono il prodotto, evitando giunzioni metalliche o rivettature.

### Description

SP series Pressure Switch is best suited to the following applications:

- Heating (wall heaters)
- Air conditioning systems
- Boiler systems (irons, coffee, carpet cleaners, gardening etc...)
- Industrial applications
- Water treatment

Consisting of a sensitive element in AISI, it is compatible in its use with different types of gaseous or liquid fluids, with temperatures up to 150° C.

Calibration is adjustable.

It is built with technopolymer reinforced.

Ultrasonic welding system, make the coupling homogeneous and stable for a long time avoiding metal joints or rivets.

## Caratteristiche Costruttive / Construction Features

|                                        |                                                                                                                                                                                 |  |  |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Involucro plastico / Plastic Casing    | Polyaryllamide Solvay (disponibile anche con materiali omologati IEC 60695-2-12 GWFI e alimentare).<br>Also available as IEC 60695-2-12 GWFI approved materials, food approval. |  |  |
| Membrana / Membrane                    | AISI                                                                                                                                                                            |  |  |
| Microinterruttore / Micro-switch       | 1 - Omologato / approved ENEC<br>2 - Disponibile / Availability: <b>NO</b> Normally open<br><b>NC</b> Normally closed<br><b>DEV</b> Changeover                                  |  |  |
| Terminali / Terminals                  | Fast-on 6,3 x 0,8; RAST 2,5; RAST 5<br>(su richiesta disponibili altre connessioni elettriche / electric connections available on request)                                      |  |  |
| Contatti / Contacts                    | AgNi10 (contatti per segnali a bassa tensione / voltage signal contacts)                                                                                                        |  |  |
| Grado di protezione / Protection Class | IP 00                                                                                                                                                                           |  |  |
| Peso / Weight                          | ~24 grammi / grams                                                                                                                                                              |  |  |

## Caratteristiche Funzionali / Operational Features

| Campo di regolazione<br>Adjustment Range                                | 1° Range                     | 2° Range      | 3° Range      | 4° Range      |
|-------------------------------------------------------------------------|------------------------------|---------------|---------------|---------------|
| Pressione massima di sovraccarico<br>Maximum Overload Pressure          | 0,2 ÷ 1,2 bar                | 1,0 ÷ 2,5 bar | 1,5 ÷ 4,0 bar | 3,0 ÷ 6,0 bar |
| Temperatura fluido<br>Fluid Temperature                                 | < 150° C                     |               |               |               |
| Temperatura ambiente<br>Ambient Temperature                             | -20°C ÷ 125° C               |               |               |               |
| Dati elettrici<br>Electrical Data                                       | 5Vdc ÷ 230Vdc / 16 A, 250V ~ |               |               |               |
| Durata elettrica microinterruttore<br>Micro-switch Electrical Endurance | 100K cicli / cycles          |               |               |               |
| Durata meccanica pressostato<br>Pressure Switch Mechanical Endurance    | > 20 bar                     |               |               |               |

## Omologazioni / Approvals

- EN60730-1, EN60730-2-6, EN60730-1:2016/A1:2019.
- Tutti i nostri prodotti sono conformi alla direttiva europea RoHS e REACH.  
All our products conform to the European directive RoHS and REACH.



## Stoccaggio / Storage

- Evitare che il pressostato venga a contatto con polveri.  
Avoid the transducer coming into contact with powders.
- Non immagazzinare in luoghi con umidità condensata.  
Do not store in locations with humidity condensation.
- Temperatura di stoccaggio / storage temperature -25°C

## Varianti / Alternative version

BRASS



PRESSOSTATO **SERIE SPO CORPO IN OTTONE**  
PRESSURE SWITCH **SPO SERIES BRASS FITTING BODY**

INOX



PRESSOSTATO **SERIE SPS CORPO IN INOX**  
PRESSURE SWITCH **SPS SERIES INOX FITTING BODY**

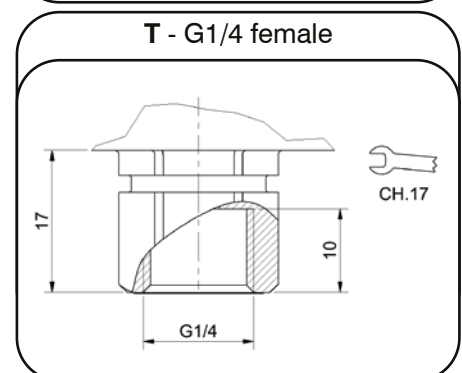
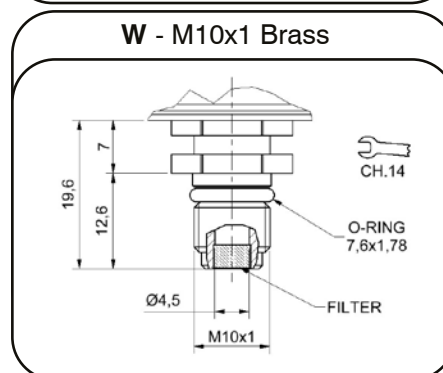
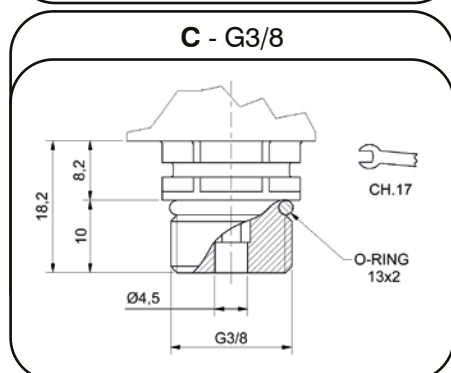
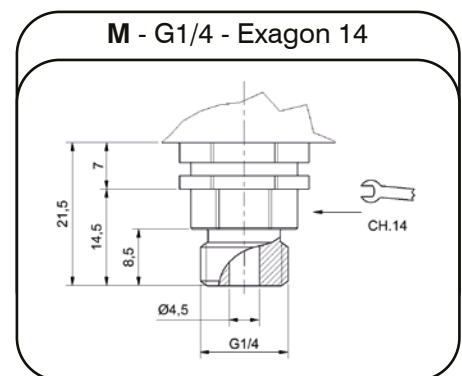
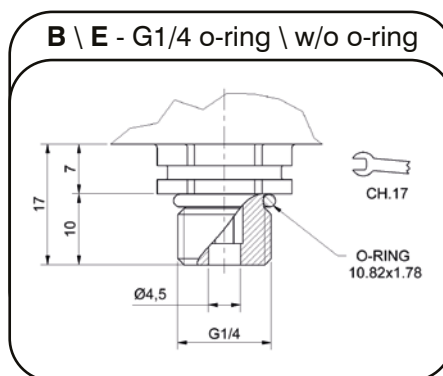
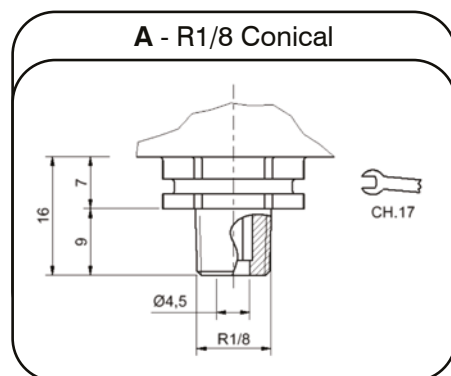
## Codifica / Code scheme

Esempio / Example:

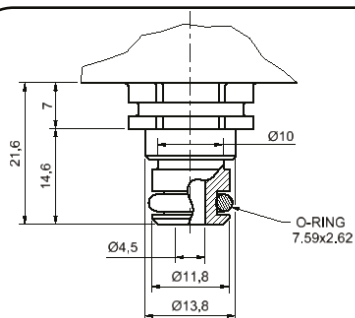
**SP A B 40U D 00**

| 1<br>Series | 2<br>Type                   | 3<br>Connection              | 4<br>Calibration    | 5<br>Microswitch Circuit    | 6<br>Custom                             |
|-------------|-----------------------------|------------------------------|---------------------|-----------------------------|-----------------------------------------|
| SP          | C - Heating (wall heaters)  | A - R1/8 Conical             | XX D - Setting fall | D - Switch 3 pins           | 00 - Standard                           |
|             | V - Steam                   | B - G1/4 + o-ring            | XX U - Rising up    | NA - Normally Open          | 20 - Microswitch (connection protected) |
|             | I - Industrial applications | C - G3/8                     |                     | NC - Normally Closed        | 25 - Microswitch (+ connector)          |
|             | A - Food contact            | D - Fast connection Ø14      |                     | VA - Vertical Normally Open | 40 - Microswitch (full covered)         |
|             | O - Brass                   | E - G1/4 Without o-ring      |                     |                             | 42 - Silicon membrane                   |
|             | S - Inox                    | F - RILSAN ø 6 mm            |                     |                             |                                         |
|             | R - Manual restart          | G - Adaptor G1/4 plastic     |                     |                             |                                         |
|             | L - Linear                  | H - Fast connection          |                     |                             |                                         |
|             |                             | I - Fast connection          |                     |                             |                                         |
|             |                             | K - Adaptor John Guest Ø6,00 |                     |                             |                                         |
|             |                             | L - Adaptor G1/4 brass       |                     |                             |                                         |
|             |                             | M - Exagon ch.14 mm - G1/4   |                     |                             |                                         |
|             |                             | N - Circulator connection    |                     |                             |                                         |
|             |                             | P - RILSAN ø 6,35 mm         |                     |                             |                                         |
|             |                             | R - Fast connection          |                     |                             |                                         |
|             |                             | S - Adaptor G1/8 brass       |                     |                             |                                         |
|             |                             | T - G1/4 female              |                     |                             |                                         |
|             |                             | U - RILSAN Ø 8 mm            |                     |                             |                                         |
|             |                             | V - Adaptor G3/8 brass       |                     |                             |                                         |
|             |                             | W - M10x1 (brass) + o-ring   |                     |                             |                                         |
|             |                             | X - Adaptor John Guest Ø4,00 |                     |                             |                                         |
|             |                             | Y - Adaptor John Guest Ø6,35 |                     |                             |                                         |
|             |                             | Z - Adaptor John Guest Ø8    |                     |                             |                                         |

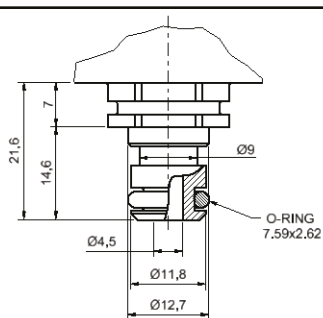
## Connessioni / Connection



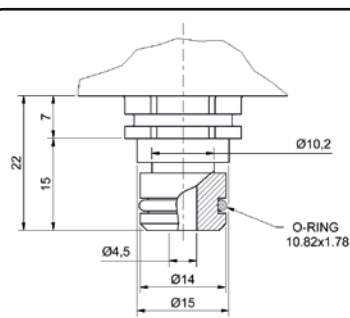
**I - Fast connection**



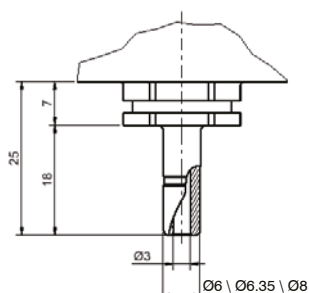
**R - Fast connection Ø 12,7 mm**



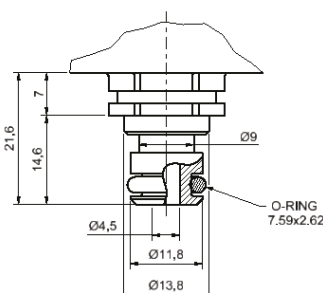
**D - Fast connection Ø14**



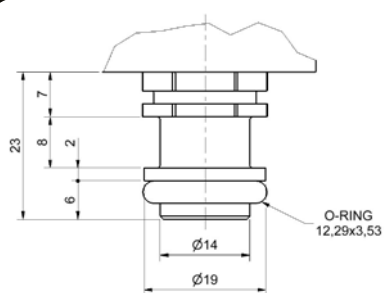
**F \ P \ U - Rilsan Ø6 \ Ø6.35 \ Ø8**



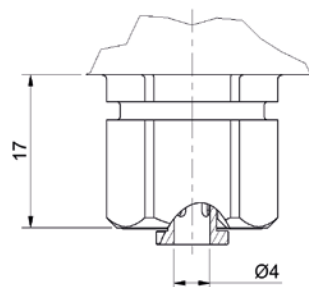
**H - Fast connection**



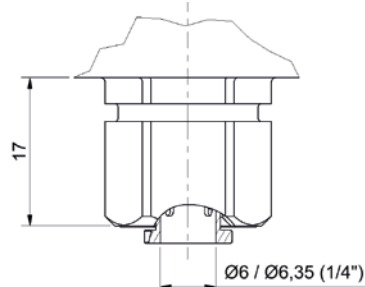
**N - Circulator connection**



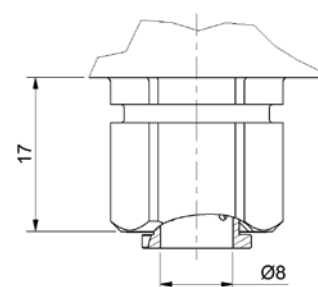
**X - Adaptor JGØ4**



**K \ Y - Adaptor JGØ6\Ø6.35 (1/4")**



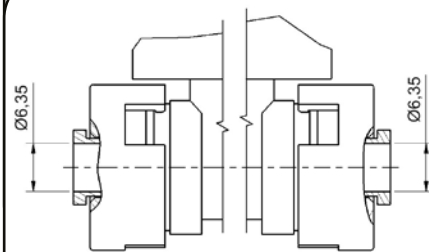
**Z - Adaptor JGØ8**



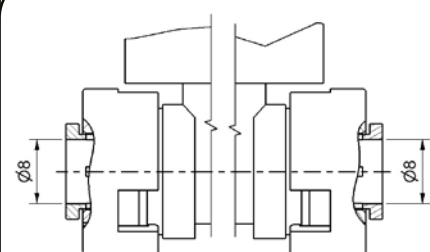
**LK Type - Adaptor JGØ6**



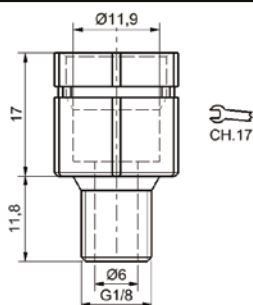
**LY Type - Adaptor JGØ6,35**



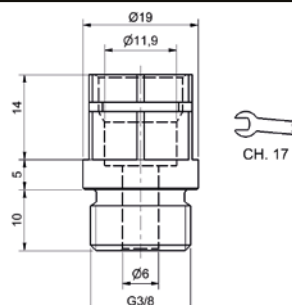
**LZ Type - Adaptor JGØ8**



**S - Adaptor G1/8 brass**



**V - Adaptor G 3/8 Brass**



**G \ L - Adaptor G1/4 Plastic \ Brass**

