

**Push-in fitting, push-in cartridge QSP**

**FESTO**



## Characteristics

### At a glance

- Cartridges, nickel-plated brass
- Blanking plug and adapter, polymer
- Operating medium: compressed air, vacuum

## Type code

| 001          | Series    |  |
|--------------|-----------|--|
| <b>QSP10</b> | Cartridge |  |
| <b>QSP14</b> | Cartridge |  |
| <b>QSP17</b> | Cartridge |  |
| <b>QSPC</b>  | Cartridge |  |

| 002       | Pneumatic connection 1 |  |
|-----------|------------------------|--|
| <b>10</b> | Cartridge 10 mm        |  |
| <b>14</b> | Cartridge 14 mm        |  |
| <b>17</b> | Cartridge 17 mm        |  |

| 003        | Pneumatic connection 2 |  |
|------------|------------------------|--|
|            | None                   |  |
| <b>1/8</b> | Male thread G1/8       |  |
| <b>4</b>   | For tubing O.D. 4 mm   |  |
| <b>6</b>   | For tubing O.D. 6 mm   |  |

| 004        | Version |  |
|------------|---------|--|
|            | Metal   |  |
| <b>PTB</b> | Polymer |  |

## Datasheet

## General technical data – Cartridge

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Pneumatic connection, port 1 | Cartridge 10 mm                                                            |
| Pneumatic connection, port 2 | For tubing outside diameter of 4 mm<br>For tubing outside diameter of 6 mm |
| Design                       | Push-pull principle                                                        |
| Mounting position            | optional                                                                   |
| Type of seal on screwed plug | O-ring                                                                     |

## General technical data – Blanking plugs

|                   |          |
|-------------------|----------|
| Mounting position | optional |
|-------------------|----------|

## Operating and environmental conditions – Cartridge

|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Operating pressure complete                  | -0.95 ... 10 bar                         |
| temperature range                            |                                          |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:::] |
| Note on operating and pilot medium           | Lubricated operation possible            |
| Ambient temperature                          | 0 ... 60°C                               |
| Corrosion resistance class CRC <sup>1)</sup> | 1 - Low corrosion stress                 |
| Maritime classification <sup>2)</sup>        | –                                        |

1) More information [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

2) More information [www.festo.com/catalogue/qs](http://www.festo.com/catalogue/qs) → Support/Downloads

## Operating and environmental conditions – Blanking plug

|                                              |                                          |
|----------------------------------------------|------------------------------------------|
| Operating pressure complete                  | 0 ... 10 bar                             |
| temperature range                            |                                          |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:::] |
| Note on operating and pilot medium           | Lubricated operation possible            |
| Ambient temperature                          | -10 ... 60°C                             |
| Corrosion resistance class CRC <sup>1)</sup> | 0 - No corrosion stress                  |
| Maritime classification <sup>2)</sup>        | See certificate                          |

1) More information [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

2) More information [www.festo.com/catalogue/qs](http://www.festo.com/catalogue/qs) → Support/Downloads

## Operating and environmental conditions – Adapter

|                                              |                         |
|----------------------------------------------|-------------------------|
| Corrosion resistance class CRC <sup>1)</sup> | 0 - No corrosion stress |
|----------------------------------------------|-------------------------|

1) More information [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

## Materials – Cartridge

|                        |                      |
|------------------------|----------------------|
| Material housing       | Brass, nickel-plated |
| Colour of release ring | Blue                 |
| Note on materials      | RoHS-compliant       |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L    |

## Materials – Blanking plugs

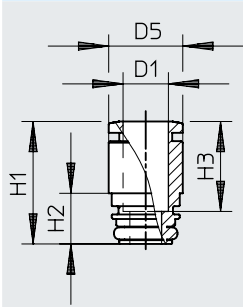
|                        |                   |      |
|------------------------|-------------------|------|
| Short type code        | QSP               | QSPC |
| Material housing       | PA                | –    |
| Material tubing seal   | NBR               | –    |
| Material blanking plug | –                 | POM  |
| Material o-ring        | –                 | NBR  |
| Note on materials      | RoHS-compliant    |      |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |      |

Datasheet

| Materials – Adapter    |                   |
|------------------------|-------------------|
| Note on materials      | RoHS-compliant    |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |

Dimensions

Dimensions – Cartridge QSP10 Download CAD data [www.festo.com](http://www.festo.com)

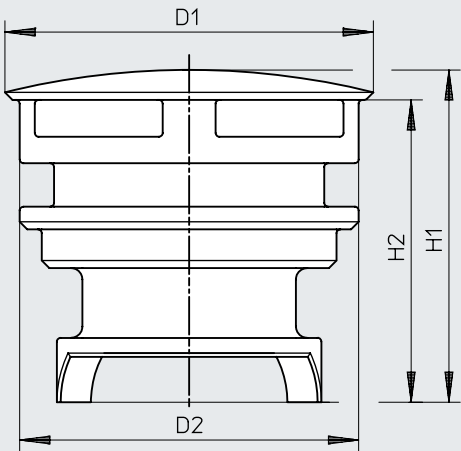


|         | D1 | D5<br>ø | H1   | H2  | H3   |
|---------|----|---------|------|-----|------|
| QSP10-4 | 4  | 9,8     | 16,2 | 6,7 | 11,5 |
| QSP10-6 | 6  | 9,8     | 16,2 | 6,7 | 12   |

Dimensions

Dimensions – Blanking plug QSPC10

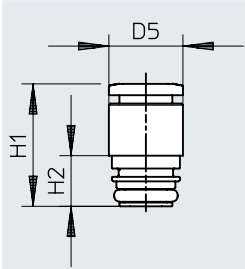
Download CAD data [www.festo.com](http://www.festo.com)



|        | D1<br>Ø | D2 | H1  | H2  |
|--------|---------|----|-----|-----|
| QSPC10 | 9,8     | 9  | 8,8 | 8,0 |

Dimensions

Dimensions – Blanking plug QSP...-PTB [Download CAD data](#) [www.festo.com](http://www.festo.com)



|           | D5<br>ø             | H1   | H2                  |
|-----------|---------------------|------|---------------------|
| QSP10-PTB | 9,7 <sub>+0,1</sub> | 16,2 | 6,7                 |
| QSP14-PTB | 13,8                | 22   | 7,8 <sub>-0,1</sub> |
| QSP17-PTB | 16,8                | 24,5 | 7,8 <sub>-0,1</sub> |

## Ordering data

| Ordering information – Cartridge                                                  |                                 |                                          |              |          |         |
|-----------------------------------------------------------------------------------|---------------------------------|------------------------------------------|--------------|----------|---------|
|                                                                                   | Pneumatic connection,<br>port 1 | Pneumatic connection,<br>port 2          | Size of pack | Part no. | Type    |
|  | Cartridge 10 mm                 | For tubing outside di-<br>ameter of 4 mm | 10           | 172972   | QSP10-4 |
|                                                                                   |                                 | For tubing outside di-<br>ameter of 6 mm |              | 172973   | QSP10-6 |

| Ordering data – Blanking plug                                                     |              |                |          |           |
|-----------------------------------------------------------------------------------|--------------|----------------|----------|-----------|
|                                                                                   | Size of pack | Product weight | Part no. | Type      |
|  | 1            | 1.1 g          | 172976   | QSP10-PTB |
|                                                                                   |              | 2.7 g          | 172987   | QSP14-PTB |
|                                                                                   |              | 4.7 g          | 172996   | QSP17-PTB |
|                                                                                   | 10           | 0.4 g          | 562243   | QSPC10    |

| Ordering data – Adapter                                                            |                 |          |            |
|------------------------------------------------------------------------------------|-----------------|----------|------------|
|                                                                                    | Short type code | Part no. | Type       |
|  | QSP             | 565811   | QSP10-G1/8 |