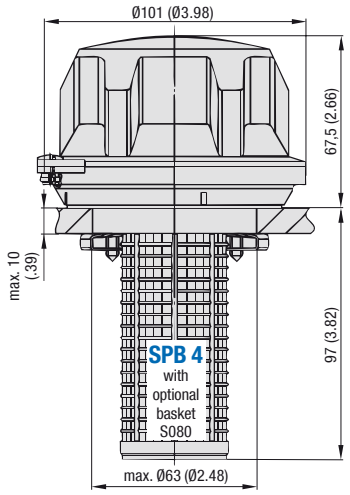
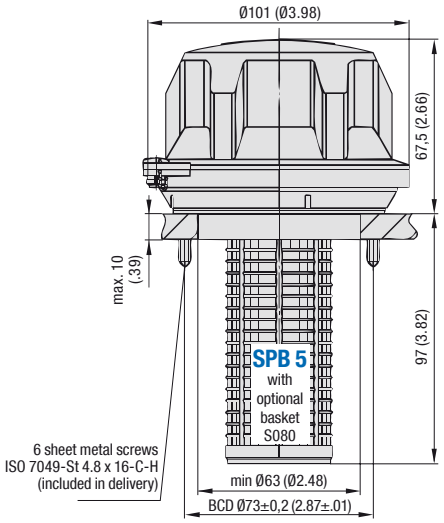
Plastic Filler Breather ▪ Types SPB 4 / 5 (Flange Version)



Clamping jaw installation to a single mounting hole



Installation to a six-hole bolt pattern with flange interface similar to DIN 24557, Part 2

Characteristics

Designed to be used as filler ports for hydraulic reservoirs, allowing the reservoir to breathe whilst protecting it from contamination found in harsh environments

Features
- Cap diameter of Ø101 mm / Ø3.98 in
- Either for clamping installation (with 3 clamping jaws and cross-drive screws) or with a six-hole bolt pattern
- Operating temperature range: -40 °C ... +120 °C / -40 °F ... +248 °F

Materials
- Made of non-corrosive materials
- Body and cap made of glass-fibre reinforced Polyamide (PA)
- Sealings made of NBR (Buna-N®)

Consult STAUFF for alternative materials.

Accessories / Options
- Plastic basket (800 µm)
- Pressurisation up to 0,7 bar / 10 PSI
- Air filter element
- Anti-splash feature
- Plastic dipstick with integrated anti-splash feature

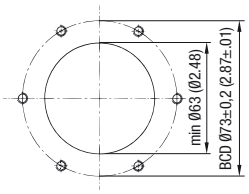
Please see page E14 for details.

Maximum Air Flow Rate
- 1,00 m³/min / 35.31 cfm for SPB 4+5

Please see page E15 for detailed air flow curves.

Oil Displacement
- 1000 l/min / 264 US GPM for SPB 4+5

Installation
- Recommended mounting space: Ø122 mm / Ø4.80 in
- Six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2 (type SPB 5):



- 6 sheet metal screws (ISO 7049-St 4.8 x 16-C-H) are included in delivery (type SPB 5); can be replaced by regular M5 socket cap screws (ISO 4762), if required
- Recommended diameters of the screw holes, depending on the sheet thickness of the reservoir (type SPB 5): Ø4,0 mm / Ø.16 in at a thickness of 1,20 mm / .05 in, Ø4,1 mm / Ø.16 in at a thickness of 2,00 mm / .08 in, Ø4,3 mm / Ø.17 in at a thickness of 4,00 mm / .16 in, and Ø4,4 mm / Ø.17 in at a thickness of 5,00 mm / .20 in

Order Codes

SPB - S - 4 - 10 - X - A - D200

① ② ③ ④ ⑤ ⑥ ⑦

① Type

Plastic Filler Breather	**SPB**

② Pressurisation

Without pressurisation	**S**
Pressurised at 0,2 bar / 3 PSI	**P1**
Pressurised at 0,35 bar / 5 PSI	**P2**
Pressurised at 0,7 bar / 10 PSI	**P3**

Please see page E14 for details.

③ Version

Bayonet version for clamping jaw installation to a single mounting hole; Cap diameter Ø101 mm (Ø3.98 in)	**4**
Bayonet Version with six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2; Cap diameter Ø101 mm (Ø3.98 in)	**5**

④ Air Filter Element (Material / Micron Rating)

Without air filter element	**00**
10 µm Foam / PUR (standard option)	**10**
40 µm Foam / PUR	**40**
3 µm Inorganic Glass-Fibre, pleated	**E03**
10 µm Filter Paper, pleated	**L10**

Consult STAUFF for alternative materials / micron ratings.

⑤ Basket Option

Plastic basket (105 mm / 4.13 in)	**S080**
Telescopic plastic basket (max. 205 mm / max. 8.07 in)	**S200**
Plastic basket with flange interface similar to DIN 24557, part 2 (95 mm / 3.74 in)	**S095P**
Without basket	**X**

Option S095P is only available for type SPB 5.
Please see page E14 for details.

⑥ Anti-Splash Feature

With anti-splash feature (standard option)	**A**
Without anti-splash feature	**0**

⑦ Dipstick

Plastic dipstick (200 mm / 7.88 in) with integrated anti-splash feature	**D200**
Plastic dipstick (300 mm / 11.81 in) with integrated anti-splash feature	**D300**
Without dipstick	**-**

A shorter dipstick length can be achieved by simply cutting down the total length according to individual requirements. When choosing a combination of a basket and a dipstick, the dipstick has to be at least 15 mm / .59 in shorter than the basket.
Please see page E14 for details.

Dimensional drawings: All dimensions in mm (in).