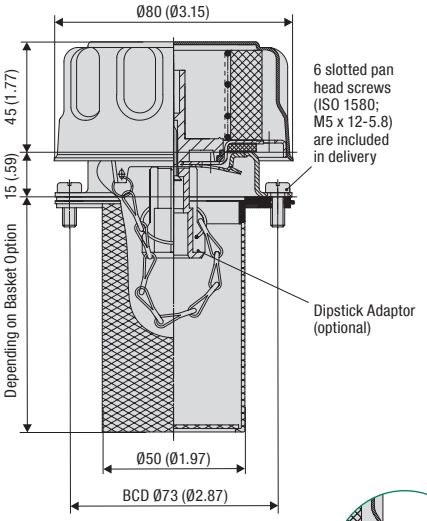
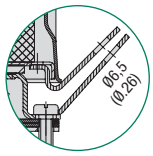
Metal Filler Breather Type SMBB-80 (Bayonet Version)

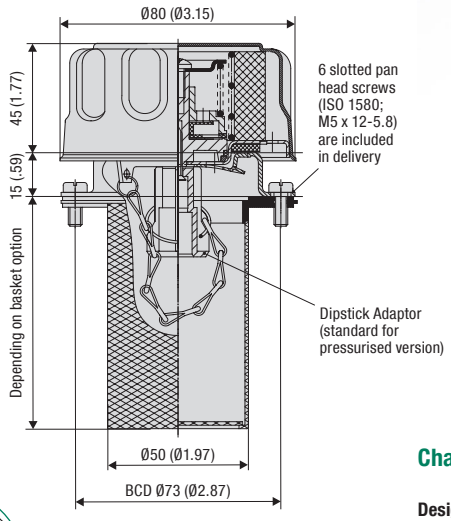


Without Pressurisation



Locking Feature

(Recommended mounting space: Ø126 mm / Ø4.96 in)



Pressurised

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 Ø80 mm / Ø3.15 in
- Bayonet version with a six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2
- Operating temperature range: -30 °C ... +120 °C / -22 °F ... +248 °F

Materials

- Breather cap made of Steel, zinc/nickel-plated (Fe/Zn Ni 6) and free of hexavalent chromium CrVI (standard option); chrome-plated and epoxy-coated versions available
- Bayonet flange made of Steel, zinc-plated
- Basket made of Steel, zinc-plated or Polyamide (PA)
- Dipstick adaptor made of Polyamide (PA)
- Sealings made of Cork (for filler breathers without pressurisation) or NBR (Buna-N®) (for pressurised filler breathers)

Contact STAUFF for alternative materials.

Accessories / Options

- Metal or plastic basket (800 µm)
- Pressurisation up to 0,7 bar / 10 PSI
- Air filter element
- Locking feature
- Dipstick adaptor (suitable for plastic dipstick DS-1)
- Plastic dipstick with integrated anti-splash feature
- Plastic dipstick with integrated magnet

Please see page 26 for details.

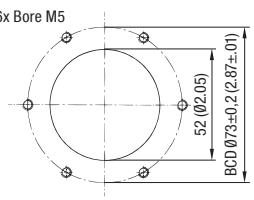
Maximum Air Flow Rate

- 0,45 m³/min / 15.89 cfm

Contact STAUFF for detailed air flow curves.

Installation

- Six-hole bolt pattern for flange interfaces similar to DIN 24557, part 2:



- 6 slotted pan head screws (ISO 1580 M5 x 12-5.8) are included in delivery; can be replaced by regular M5 bolts, if required

Order Codes

SMBB	-	80	-	S	-	L	-	10	-	O	-	C	-	S080	-	O
①		②		③		④		⑤		⑥		⑦		⑧		⑨

① Type / Version

Metal Filler Breather; Bayonet version	**SMBB**

② Cap Diameter / Material / Surface Finishing

Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, zinc/nickel-plated (standard option)	**80**
Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, chrome-plated	**80C**
Cap diameter Ø80 mm (Ø3.15 in); Breather cap made of Steel, expoxy-coated	**80E**

③ Label

With STAUFF logo (standard option)	**S**
Neutral design without any logo	**N**

④ Locking Feature

Without locking feature (standard option)	**O**
With locking feature (see drawing above)	**L**

⑤ Air Filter Element (Material / Micron Rating)

Without Breather Function	**O**
3 µm Filter Paper	**03**
10 µm Foam / PUR (standard option)	**10**
40 µm Foam / PUR	**40**

Contact STAUFF for alternative materials / micron ratings.

⑥ Pressurisation

Without pressurisation (standard option)	**O**
Pressurised at 0,35 bar / 5 PSI	**B0.35**
Pressurised at 0,7 bar / 10 PSI	**B0.7**

Please see page 26 for details.

⑦ Sealing Material

Cork (for filler breathers without pressurisation)	**C**
NBR (Buna-N®) (for pressurised filler breathers)	**B**

⑧ Basket Option

Without basket	**O**
Metal basket (80 mm / 3.15 in) (standard option)	**S080**
Plastic basket (95 mm / 3.74 in)	**S095P**
Metal basket (100 mm / 3.94 in)	**S100**
Metal basket (150 mm / 5.91 in)	**S150**
Metal basket (200 mm / 7.87 in)	**S200**

⑨ Dipstick

Without dipstick (standard option)	**O**
Dipstick adaptor (suitable for dipstick DS-1)	**A**
With dipstick adaptor and plastic dipstick DS-1 (300 mm / 11.81 in) with integrated anti-splash feature	**D300**
Plastic dipstick (300 mm / 11.81 in) with integrated magnet	**D300M**

A shorter dipstick length can be achieved by simply cutting down the total length according to individual requirements.

Please note: The dipstick adaptor is required for the subsequent installation of plastic dipsticks DS-1 (see page 26 for details), and is content of delivery when ordering a pressurised version.

Dimensional drawings: All dimensions in mm (in).