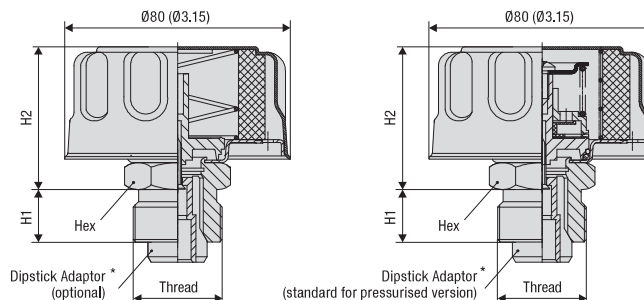


## Metal Filler Breather Type SMBT-80 (Threaded Version)

B



Without Pressurisation

Pressurised

\* Please note: The dipstick adaptor is not available for connection threads G1/2 and 1/2 NPT.

### 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
- Threaded version, equipped with male BSP thread (ISO 228) or male NPT thread (ANSI B1.20.1)
- 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
- Threaded socket made of Steel, zinc-plated
- Dipstick adaptor made of Polyamide (PA)

Contact STAUFF for alternative materials.

#### Accessories / Options

- Pressurisation up to 0,7 bar / 10 PSI
- Air filter element
- Dipstick adaptor suitable for plastic dipstick DS-1 (not for connection threads G1/2 and 1/2 NPT)
- Plastic dipstick DS-1 with integrated anti-splash feature (not for connection threads G1/2 and 1/2 NPT)
- Plastic dipstick with integrated magnet
- Oil Demister

Please see pages 26 and 47 for details.

#### Maximum Air Flow Rate

- 0,45 m³/min / 15,89 cfm

Contact STAUFF for detailed air flow curves.

### Dimensions

Thread	Dimensions (mm/in)		
	H1	H2	Hex
Male G1/2 BSP (ISO 228)	14 .55	54 2.13	24 .94
Male G3/4 BSP (ISO 228)	16 .63	54 2.13	30 1.18
Male G1 BSP (ISO 228)	19 .75	54 2.13	36 1.42

Thread	Dimensions (mm/in)		
	H1	H2	Hex
Male 1/2 NPT (ANSI B1.20.1)	14 .51	52,5 2.07	24 .94
Male 3/4 NPT (ANSI B1.20.1)	16 .59	52,5 2.07	30 1.18
Male G1 NPT (ANSI B1.20.1)	19 .75	52,5 2.07	36 1.42

### Order Codes

<b>SMBT</b>	-	<b>80</b>	-	<b>S</b>	-	<b>10</b>	-	<b>O</b>	-	<b>B08</b>	-	<b>O</b>
①		②		③		④		⑤		⑥		⑦

#### ① Type / Version

Metal Filler Breather; Threaded version **SMBT**

#### ② Cap Diameter / Material / Surface Finishing

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

#### ③ Label

With STAUFF logo (standard option)	<b>S</b>
Neutral design without any logo	<b>N</b>

#### ④ Air Filter Element (Material / Micron Rating)

Without Breather Function	<b>0</b>
3 µm Filter Paper	<b>03</b>
10 µm Foam / PUR (standard option)	<b>10</b>
40 µm Foam / PUR	<b>40</b>

Contact STAUFF for alternative materials / micron ratings.

#### ⑤ Pressurisation

Without pressurisation (standard option)	<b>0</b>
Pressurised at 0,35 bar / 5 PSI	<b>B0,35</b>
Pressurised at 0,7 bar / 10 PSI	<b>B0,7</b>

Please see page 26 for details.

#### ⑥ Connection Thread (Male)

G1/2	<b>B08</b>
G3/4	<b>B12</b>
G1	<b>B16</b>
1/2 NPT	<b>N08</b>
3/4 NPT	<b>N12</b>
1 NPT	<b>N16</b>

Contact STAUFF for alternative threads.

#### ⑦ Dipstick

Without dipstick (standard option)	<b>0</b>
With dipstick adaptor suitable for dipstick DS-1 (not for connection threads G1/2 and 1/2 NPT)	<b>A</b>
With dipstick adaptor and plastic dipstick DS-1 (300 mm / 11.81 in) with integrated anti-splash feature (not for connection threads G1/2 and 1/2 NPT)	<b>D300</b>
Plastic dipstick (300 mm / 11.81 in) with integrated magnet	<b>D300M</b>

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 included in delivery when ordering a pressurised version. The dipstick adaptor is not available for connection threads G1/2 and 1/2 NPT.

Dimensional drawings: All dimensions in mm (in).

