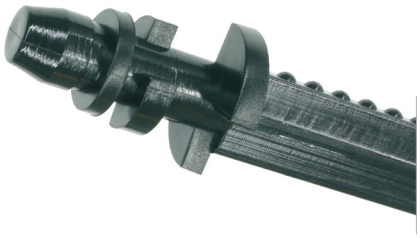
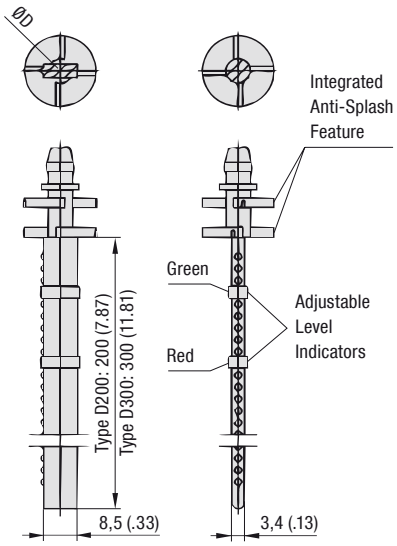
Plastic Dipstick ▪ Types DS 1 / 2 / 3 Anti-Splash Feature





Connection		Code	For Type	Suitable Dipstick*	ØD (mm/in)
Male BSP Thread (ISO 228)	G1/4	B04	SPB 1	Dipstick Option Not Available	
	G3/8	B06	SPB 1+2	DS-1	10 / .39
	G1/2	B08	SPB 1–3	DS-2	14 / .55
	G3/4	B12	SPB 1+2	DS-3	18 / .71
	G1	B16	SPB 3	DS-3	18 / .71
Male NPT Thread (ANSI B1.20.1)	1/4	N04	SPB 1	Dipstick Option Not Available	
	3/8	N06	SPB 1	DS-1	10 / .39
	1/2	N08	SPB 1	DS-2	14 / .55
	3/4	N12	SPB 1–3	DS-3	18 / .71
	1	N16	SPB 3	DS-3	18 / .71
Plastic Basket	S080		SPB 4+5	DS-3	18 / .71
	S095-P		SPB 5	DS-3	18 / .71
	S200		SPB 4+5	DS-3	18 / .71
w/o Basket		X	SPB 4+5	DS-3	18 / .71

* When ordered seperately, please add the length of the dipstick (in mm) to the ordering code (e.g. DS-2-300).

For all Plastic Filler Breathers (except type SPB 1 with connection sizes B04 and N04), dipsticks made of Polyamide are available as an option. These dipsticks are available in 2 standard lengths of 200 mm / 7.87 in and 300 mm / 11.81 in and equipped with 2 adjustable level indicators in green and red colour.

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

All dipsticks have an integrated anti-splash feature protecting the SPB from backspilling fluid and avoiding an early breakdown of the air filter element.

For Plastic Filler Breathers without dipstick, the anti-splash function can be achieved by an integrated concave baffle. The anti-splash feature for the SPB 1 (except the type SPB 1 with connection sizes B04 and N04), can only be achieved in conjunction with a dipstick.

Please note: When choosing a combination of a dipstick and a basket (see below), the dipstick has to be at least 15 mm / .59 in shorter than the basket.

Special designs and alternative materials available on request. Please consult STAUFF for further details.

Plastic Basket ▪ Types S080 / S095-P / S200

For the Plastic Filler Breathers SPB 4 and SPB 5, different types of baskets are available as an option. All baskets have a reinforced 0,8 x 3,5 mm / .03 x .14 in mesh (800 µm), so that rough dirt particles are filtered out of the medium and a smooth flow into the tank is being ensured.

The **Plastic Basket S080** (length of 105 mm / 4.13 in) snaps into the breather housing and suitable for the SPB 4 and SPB 5.

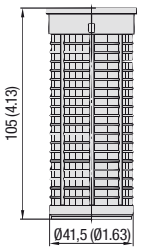
The **Plastic Basket S095-P** (length of 95 mm / 3.74 in) is equipped with a six-hole bolt pattern with flange interface similar to DIN 24557, part 2. It is suitable for the SPB 5 only and is installed between the breather housing of the SPB 5 and the reservoir.

The **Telescopic Plastic Basket S200** (maximum length of 205 mm / 8.07 in) is ideal to further improve the straining ability and oil flow-through and allowing longer dipstick lengths, where reservoir depth allows. It also snaps into the breather housing and is suitable for the SPB 4 and SPB 5.

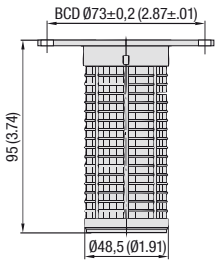
Please note: When choosing a combination of a dipstick (see above) and a basket, the dipstick has to be at least 15 mm / .59 in shorter than the basket.

Special designs and alternative materials available on request.
Please consult STAUFF for further details.

Plastic Basket
S080 (for SPB 4+5)
Material: Polypropylene (PP)

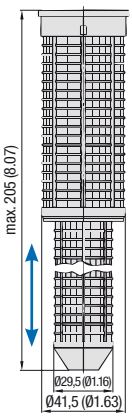


Plastic Basket
S095-P (only for SPB 5)
Material: Polyamide (PA)



Six-hole bolt pattern with flange interface according to DIN 24557, part 2

Telescopic Plastic Basket
S200 (for SPB 4+5)
Material: Polypropylene (PP)



Pressurisation

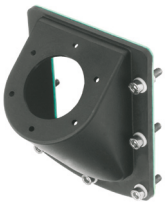
All Plastic Filler Breathers (except the type SPB 1) are also available as pressurised versions with pressure settings of 0,7 bar / 10 PSI, 0,35 bar / 5 PSI or 0,2 bar / 3 PSI. In order to achieve an air flow, the actual tank pressure has to exceed the chosen pressure setting of the Plastic Filler Breather.

When the fluid level inside the reservoir rises, no air is expelled from the reservoir until the pressurisation level is reached.
When the fluid level inside the reservoir falls, the tank pressure drops and air is drawn into the reservoir.

Due to less breathing, the service life of a filler breather and the oil can be increased by using the pressurisation feature. It also minimizes foaming and cavitation, and provides additional protection from moisture entering the reservoir which causes erosion and oil degradation.

Further Accessories / Options

Weld Riser ▪ Type WR
Suitable for SPB 5
(See page E25 for details)



Side Mount Bracket (Polyamide) ▪ Type ASMB-1
Suitable for SPB 5
(See page E24 for details)

Side Mount Bracket (Aluminium) ▪ Type ASMB-2
Suitable for SPB 5
(See page E24 for details)

Dimensional drawings: All dimensions in mm (in).