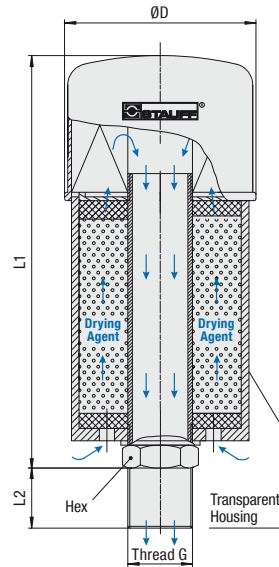


Desiccant Air Breather - Type SDB



Drying Agent
Capable in changing colours with increasing moisture

ACTIVE

REPLACE

This product does not contain any dangerous substances according to EC Council directives 99/45/EC and 2001/60/EC.

Dimensions and Technical Data

Type	Thread G	Dimensions (mm/in)				Weight (g/lbs)		Volume (cm³/in³) Drying Agent	Max. Water Absorption (g/lbs)	Air Filter Elements				
		ØD	L1	L2	Hex	Complete Unit	Drying Agent			Type	Filter Material	Micron Rating	Filter Surface	Max. Air Flow Rate
SDB-093	Male G3/4 BSP (ISO 228)	100	160	20	32	1200	225	300	86	SGB-090-03-B	Synthetic Fibre	3µm	752 cm²	0,70 m³/min
		3.94	6.30	.79	1.26	2.65	.50	18.3	.19				115 in²	24.71 cfm
SDB-096	Male G3/4 BSP (ISO 228)	100	220	20	32	1500	450	600	172	SGB-090-03-B	Synthetic Fibre	3µm	752 cm²	0,70 m³/min
		3.94	8.66	.79	1.26	3.31	.99	36.6	.38				115 in²	24.71 cfm
SDB-121	Male G1-1/4 BSP (ISO 228)	130	256	>25	50	2700	750	1000	288	SGB-120-03-B	Synthetic Fibre	3µm	2095 cm²	1,50 m³/min
		5.12	10.08	>.98	1.98	5.92	1.65	61.0	.63				320 in²	52.97 cfm
SDB-122	Male G1-1/4 BSP (ISO 228)	130	366	>25	50	4000	1500	2000	576	SGB-120-03-B	Synthetic Fibre	3µm	2095 cm²	1,50 m³/min
		5.12	14.41	>.98	1.98	8.82	3.31	122.0	1.27				320 in²	52.97 cfm

Characteristics

Combination of air breather and water removal filter

When a reservoir or gearbox breathes, air containing water vapor is ingested into the system. Temperature fluctuations will cause this water vapor to condense which can speed up the oxidation of the fluid and lead to damage in the system.

While inhaling, Desiccant Air Breathers SDB first dry the air as it passes through the drying agent. The air then passes through a 3µm air filter element to remove any solid contamination particles.

As moisture is absorbed, the drying agent will gradually change from red to orange. When it is orange, replace the drying agent. If required, an optional visual indicator gives an indication of the status of the air breather. With the moisture absorbed, the oxidation process can be decreased and the lifetime of the oil and the entire machinery will be extended.

Desiccant Air Breathers SDB can also be re-fitted with a layer of active carbon (1/3) and a layer of regular drying agent (2/3) for vapor filtration.

Features

- Available in 4 different sizes
- Diameter of Ø100 mm / Ø3.94 in or Ø130 mm / Ø5.12 in
- Refillable with drying agent (non-toxic ZR gel gran) or a mix of drying agent and active carbon
- Replaceable air filter element SGB
- Connection: Male BSP thread (ISO 228) on Stainless Steel tube
- Available with adaptor plate to simplify installation and to enable the use of a visual contamination indicator

Accessories / Spare Parts

Connection adaptor (see page E34 for details)

- for SDB-093 and SDB-096 to be used with visual contamination indicator FM without adaptor plate AP-1:

DBA-75

Adaptor plate (see page E33 for details)

- for SDB-093 and SDB-096: AP-1
- for SDB-121 and SDB-122: AP-2

Visual contamination indicator (see page E33 for details)

- for all sizes (in conjunction with adaptor plate only): FM

Drying agent refilling material (supplied in air tight container)

- for SDB-093 (300 cm³ / 18.3 in³): RD-093
- for SDB-096 (600 cm³ / 26.6 in³): RD-096
- for SDB-121 (1000 cm³ / 61.0 in³): RD-121
- for SDB-122 (2000 cm³ / 122.0 in³): RD-122

Active carbon refilling material (supplied in air tight container)

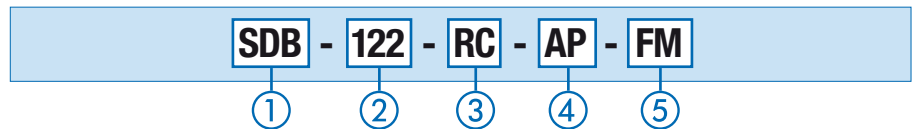
- for SDB-093, SDB-096/2 and SDB-121 (300 cm³ / 18.3 in³): RC-093/096/121
- for SDB-122 (600 cm³ / 18.3 in³): RC-122

Please note: Use one layer of active carbon (1/3) and one layer of regular drying agent (2/3).

Replacement air filter element (sealing included)

- for SDB-093 and SDB-096: SGB-090-03-B
- for SDB-121 and SDB-122: SGB-120-03-B

Order Codes



① Type

Desiccant Air Breather **SDB**

② Max. Water Absorption and Size

86g / .19 lbs at Ø100 mm / Ø3.94 in	093
172g / .38 lbs at Ø100 mm / Ø3.94 in	096
288g / .63 lbs at Ø130mm / Ø5.12 in	121
576g / 1.27 lbs at Ø130mm / Ø5.12 in	122

Please see table above for further technical details.

③ Drying Agent Material

Regular drying agent (standard option)	-
One layer of active carbon (1/3) and one layer of regular drying agent (2/3) for vapor filtration	RC

④ Adaptor Plate

Without adaptor plate	-
With adaptor plate	AP

⑤ Contamination Indicator

Without contamination indicator	-
With visual contamination indicator FM (in conjunction with adaptor plate AP only)	FM

Please see page E33 for details.