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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	

DESICCANT BREATHERS



Cross Reference DAB Desiccant Breather is mainly used on the tank with moisture absorption and air filtration. First, the moisture in the incoming air is absorbed when passing through the drying agent. After passing through the drying agent, the dirt particles are caught in the air filter element; these can reduce the pressure loss caused by the fluctuation of oil and the changing of temperature. With the moisture absorbed and the dirt particles caught, the reliability and the processing ability in the hydraulic system will be decreased and the life of the oil and the machine will be extended.

As moisture is absorbed, the drying agent granules will gradually change color from blue to pink. The granules should be changed when the color changes to pink.

It is just need to open the cover when changing the drying granules. The granules can be put in the 150 cover for drying until it turns blue again.

Note: the broken drying granules can not be used again.

Dimensional Data :

Model	D	L1	L2	L3	L	M	S	Volume drying agent (g)	Drying agent filling weight(g)	Max.rate of aire flow(m³/min)	Filtr (um)	Model of Air Breather
DAB-90-90	95.5	33	90	58	18	G3/4	36	85	270	0.5	3	AB-90
DAB-90-150			15					170	540			
DAB-120-145	126.5	45	145	99	25	G11/4	53	285	840	1.25	3	AB-120
DAB-120-255			255					570	1680			



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DESICCANT BREATHERS



Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace STAUFF Desiccant Air Breathers SDB Part

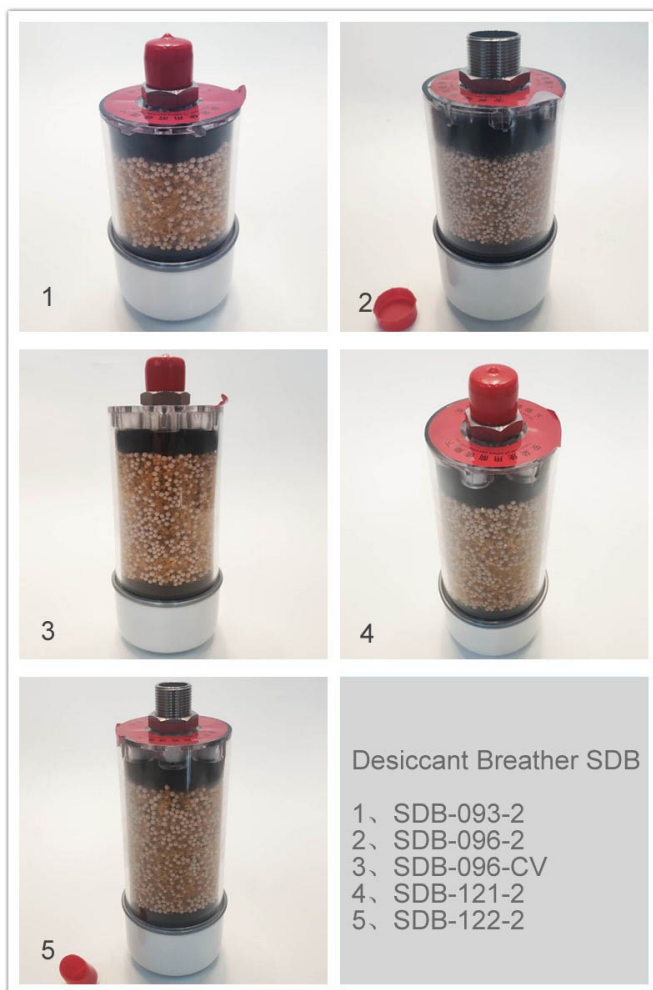
Combination of air breather and water removal filter

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 grain) or a mix of drying agent and active carbon
- Drying agent capable in changing colour from Red to orange with increasing moisture
- Without dangerous substances according to EC Council directives 99/45/EC and 2001/60/EC
- 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

Options / Accessories:

- Adaptor plate
- Visual contamination indicator
- Drying agent refilling material
- Active carbon refilling material
- Replacement air filter element



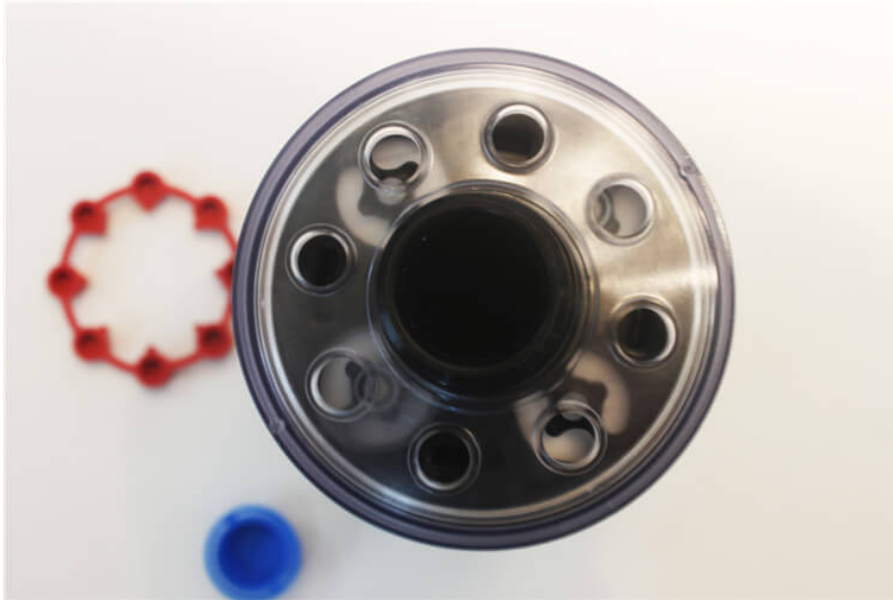
DESICCANT BREATHERS



Replace DC VG-1 Desiccant Breather

Cross Replace DC-VG has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.





Cross Replace VG Desiccant Breather Parameter :

Part Number (SINFT)	Unit Height (in / mm)	Unit Diameter (in / mm)	Connection Size	Amount of Silica Gel (lbs / g)	Adsorption Capacity (fl oz / ml)	Max. Flow Rate (cfm)	Max. Flow Rate (lpm)	Filter Efficiency	Operating Temp. Range (°F)	Operating Temp. Range (°C)	Peplace DC-VG
SFT-VG-BB	3.87 / 98	2.52 / 64	3/8" Multi-Fit (NPT, BSPP, BSPT)"	0.1 / 59	0.8 / 23	1 @ 1 psid	41	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-BB
SFT-VG-1	5.36 / 136	2.52 / 64	3/8" Multi-Fit (NPT, BSPP, BSPT)"	0.3 / 127	1.7 / 50	1 @ 1 psid	41	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93	DC VG-1
SFT-VG-2	6.00 / 152	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)	0.8 / 365	5 / 142	12 @ 1 psid	340	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-2
SFT-VG-3	8.00 / 203	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	1.4 / 643	9 / 251	11 @ 1 psid	311	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-3
SFT-VG-4	10.00 / 254	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	2.0 / 913	12 / 356	10 @ 1 psid	283	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-4

SINFT VentGuard Series



SFT-VG-4A

SFT-VG-4

SFT-VG-4 Vent Guard Detail

Gearboxes, reservoirs and pumps all “breathe” in use. As air contracts or expands or as entering fluid displaces air in a system, outside air is drawn in from the atmosphere. Unfortunately, this breathed-in air has water and particulate that will accumulate to contaminate your system.

A desiccant breather is a straightforward solution to the problem, blocking moisture and particles from entering. Testing of leading competitors has shown that Sinft-Dri Desiccant Breathers average almost 20% greater moisture-retention capacity versus leading brands.

Our unique design features a longer body, which permits 10% greater volume of silica gel desiccant beads when compared to leading competitors.

Advanced Silica Gel

Desiccant removes water from air prior to it entering your system, tank or equipment.

Built-In Status Indication

Desiccant gel changes color from blue to pink to indicate that it is removing moisture, as well as when to replace the breather.

Step Up To Superior Protection

This breather unit is a marked improvement over the customary dust caps or OEM breathers on equipment. When contaminated air enters the top of the breather, it passes through layered filter media, preventing solid particles from entering the breather and causing undue wear to your equipment surfaces. Filtered air passes through a bed of Sinft-Dri™ silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the

equipment reservoir during service or shut-down, keeping the equipment dry. The addition of check-valves in our CV breather is ideal for low-flow and intermittent operations in high humidity conditions.

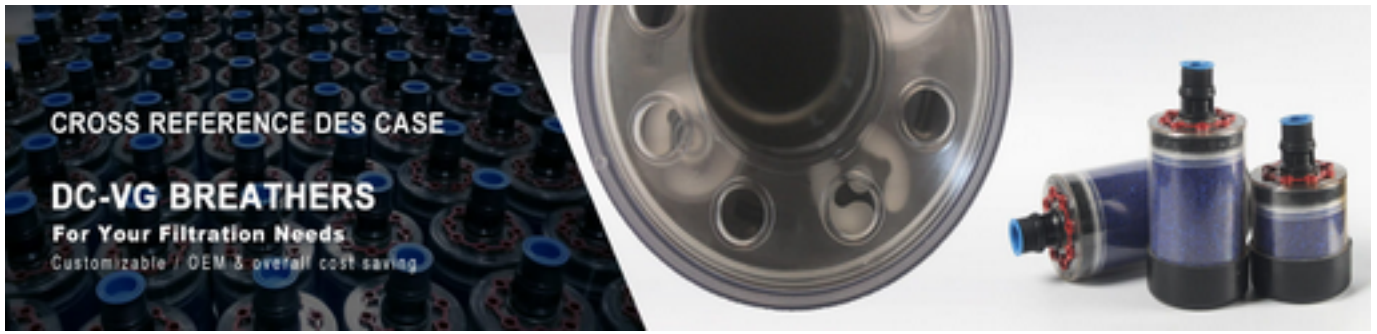
Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

Application:

For example, a gearbox for wind power generation :

Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

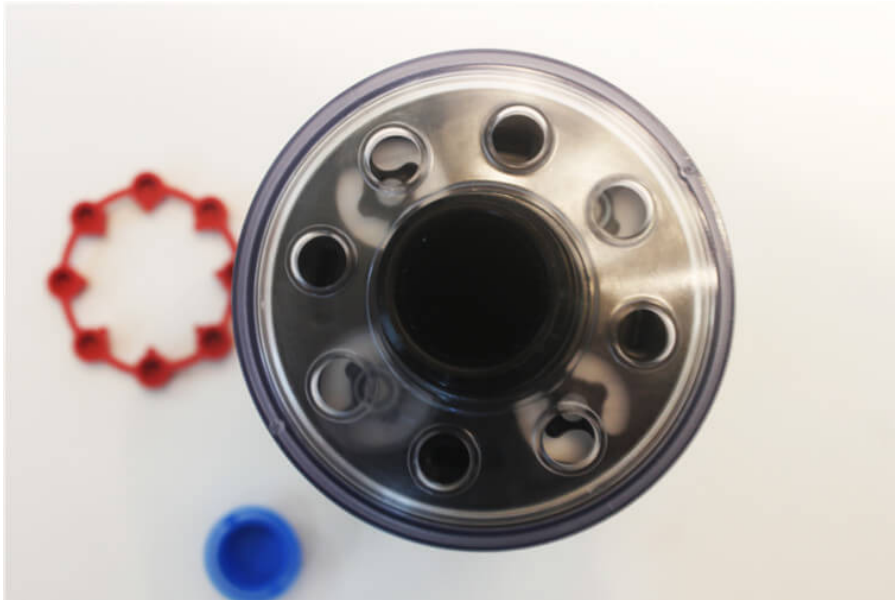
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Replace Desiccant Breathers For DC VG-BB

Cross Replace DC-VG has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.





Cross Replace VG Desiccant Breather Parameter :

Part Number (SINFT)	Unit Height (in / mm)	Unit Diameter (in / mm)	Connection Size	Amount of Silica Gel (lbs / g)	Adsorption Capacity (fl oz / ml)	Max. Flow Rate (cfm)	Max. Flow Rate (lpm)	Filter Efficiency	Operating Temp. Range (°F)	Operating Temp. Range (°C)	Peplace DC-VG
SFT-VG-BB	3.87 / 98	2.52 / 64	3/8" Multi-Fit (NPT, BSPP, BSPT)"	0.1 / 59	0.8 / 23	1 @ 1 psid	41	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-BB
SFT-VG-1	5.36 / 136	2.52 / 64	3/8" Multi-Fit (NPT, BSPP, BSPT)"	0.3 / 127	1.7 / 50	1 @ 1 psid	41	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-1
SFT-VG-2	6.00 / 152	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	0.8 / 365	5 / 142	12 @ 1 psid	340	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-2
SFT-VG-3	8.00 / 203	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	1.4 / 643	9 / 251	11 @ 1 psid	311	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-3
SFT-VG-4	10.00 / 254	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	2.0 / 913	12 / 356	10 @ 1 psid	283	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-4

SINFT VentGuard Series



SFT-VG-4A



SFT-VG-4

SFT-VG-4 Vent Guard Detail

Gearboxes, reservoirs and pumps all “breathe” in use. As air contracts or expands or as entering fluid displaces air in a system, outside air is drawn in from the atmosphere. Unfortunately, this breathed-in air has water and particulate that will accumulate to contaminate your system.

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Standard breathers provide simple, yet dependable protection from moisture and particulate

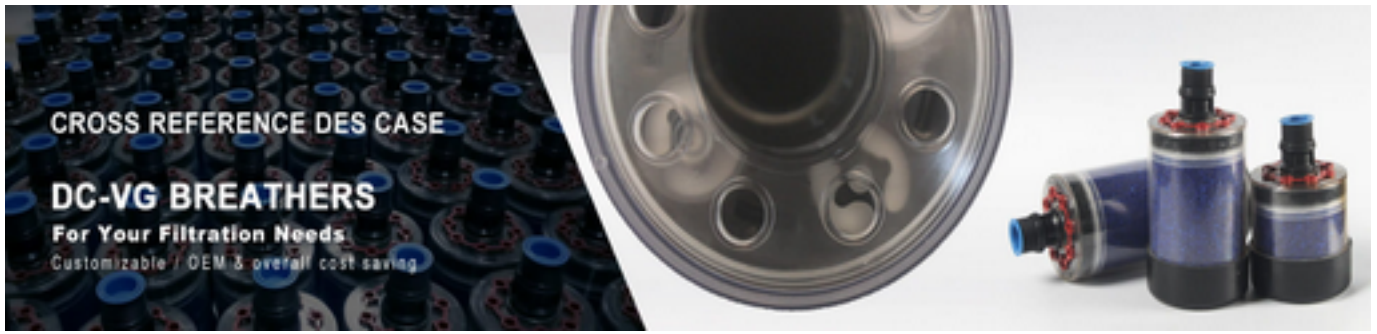
contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

Application:

For example, a gearbox for wind power generation :

Gearbox Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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CROSS REFERENCE DES CASE

DC-VG BREATHERS

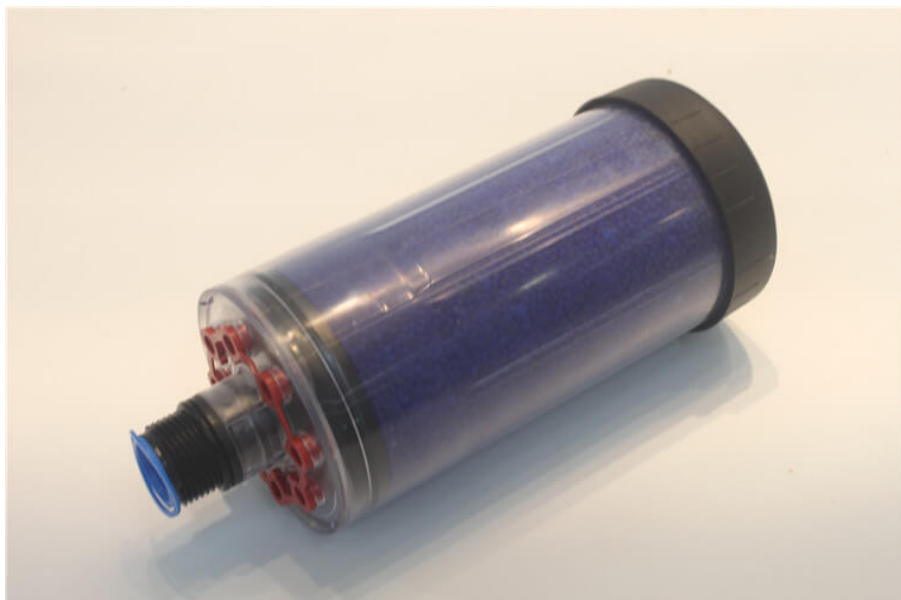
For Your Filtration Needs
Customizable / OEM & overall cost saving



Replace DC VG-4 Desiccant Breather

Cross Replace DC-VG-4 has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.





Cross Replace VG Desiccant Breather Parameter :

Part Number (SINFT)	Unit Height (in / mm)	Unit Diameter (in / mm)	Connection Size	Amount of Silica Gel (lbs / g)	Adsorption Capacity (fl oz / ml)	Max. Flow Rate (cfm)	Max. Flow Rate (lpm)	Filter Efficiency	Operating Temp. Range (°F)	Operating Temp. Range (°C)	Peplace DC-VG
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SFT-VG-3	8.00 / 203	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	1.4 / 643	9 / 251	11 @ 1 psid	311	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-3
SFT-VG-4	10.00 / 254	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	2.0 / 913	12 / 356	10 @ 1 psid	283	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-4

SINFT VentGuard Series



SFT-VG-4A

SFT-VG-4

SFT-VG-4 Vent Guard Detail

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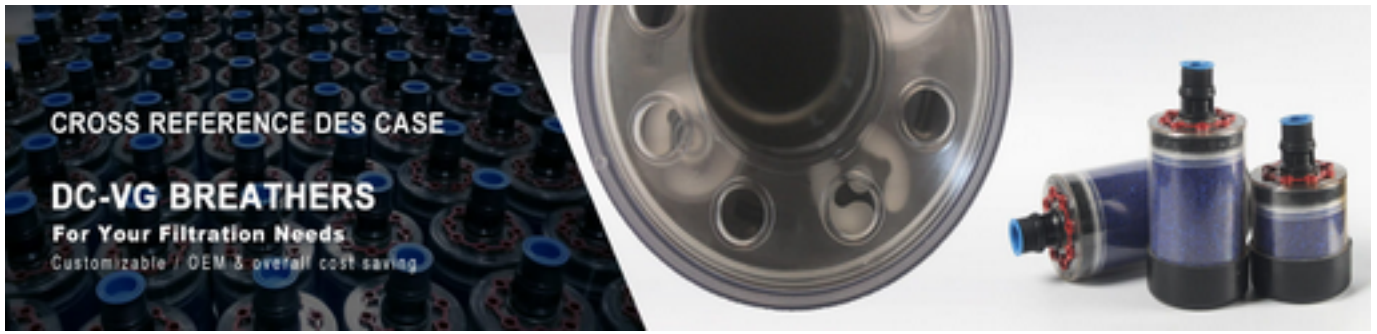
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Application:

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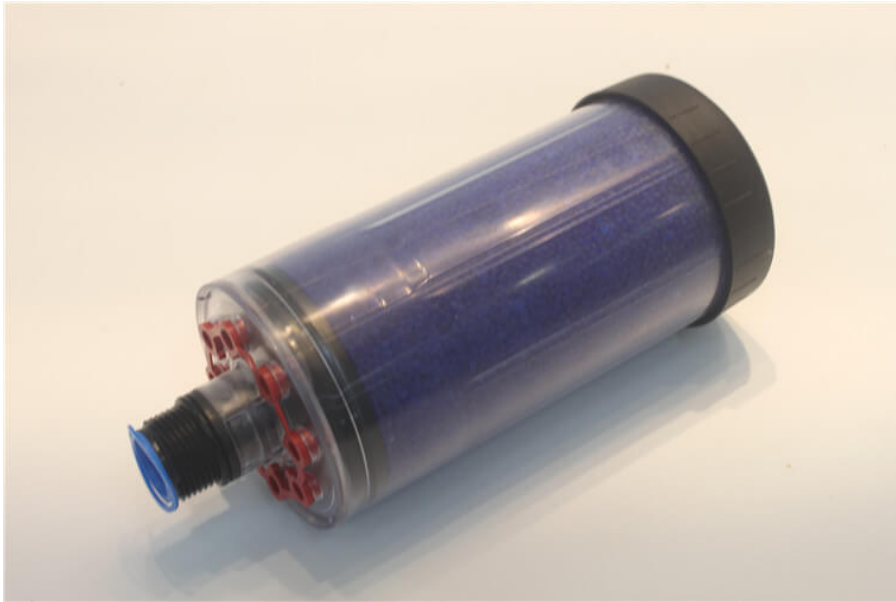
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Replace DC VG-3 Desiccant Breather

Cross Replace DC-VG-4 has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.





Cross Replace VG Desiccant Breather Parameter :

Part Number (SINFT)	Unit Height (in / mm)	Unit Diameter (in / mm)	Connection Size	Amount of Silica Gel (lbs / g)	Adsorption Capacity (fl oz / ml)	Max. Flow Rate (cfm)	Max. Flow Rate (lpm)	Filter Efficiency	Operating Temp. Range (°F)	Operating Temp. Range (°C)	Peplace DC-VG
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SFT-VG-3	8.00 / 203	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	1.4 / 643	9 / 251	11 @ 1 psid	311	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-3
SFT-VG-4	10.00 / 254	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	2.0 / 913	12 / 356	10 @ 1 psid	283	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-4

SINFT VentGuard Series



SFT-VG-4A

SFT-VG-4

SFT-VG-4 Vent Guard Detail

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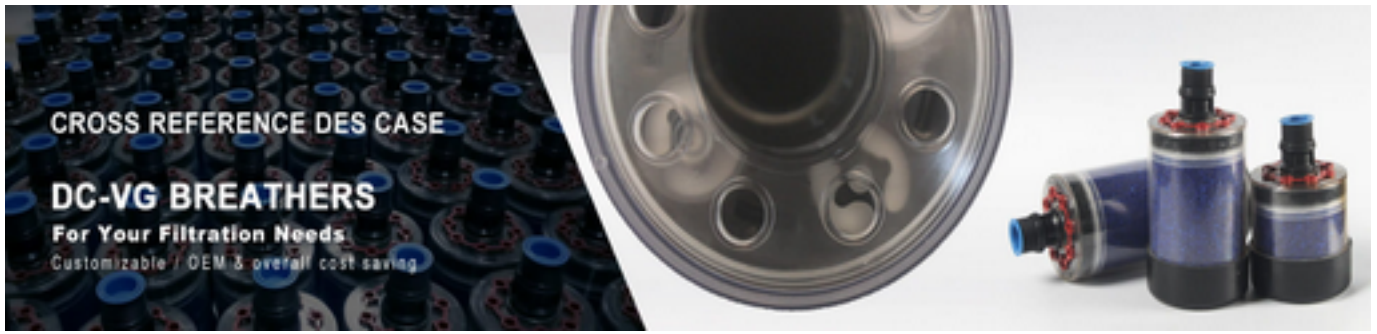
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Replace DC VG-2 Desiccant Breather

Cross Replace DC-VG-2 has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.



Cross Replace VG Desiccant Breather Parameter :

Part Number (SINFT)	Unit Height (in / mm)	Unit Diameter (in / mm)	Connection Size	Amount of Silica Gel (lbs / g)	Adsorption Capacity (fl oz / ml)	Max. Flow Rate (cfm)	Max. Flow Rate (lpm)	Filter Efficiency	Operating Temp. Range (°F)	Operating Temp. Range (°C)	Peplace DC-VG
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SFT-VG-4	10.00 / 254	4.10 / 104	1" Multi-Fit (NPT, BSPT, NPSM)"	2.0 / 913	12 / 356	10 @ 1 psid	283	3μ absolute (β ₃ ≥200)	-20° to 200°	-29° to 93°	DC VG-4

SINFT VentGuard Series



SFT-VG-4A

SFT-VG-4

SFT-VG-4 Vent Guard Detail

Gearboxes, reservoirs and pumps all “breathe” in use. As air contracts or expands or as entering fluid displaces air in a system, outside air is drawn in from the atmosphere. Unfortunately, this breathed-in air has water and particulate that will accumulate to contaminate your system.

A desiccant breather is a straightforward solution to the problem, blocking moisture and particles from entering. Testing of leading competitors has shown that Sinft-Dri Desiccant Breathers average almost 20% greater moisture-retention capacity versus leading brands.

Our unique design features a longer body, which permits 10% greater volume of silica gel desiccant beads when compared to leading competitors.

Advanced Silica Gel

Desiccant removes water from air prior to it entering your system, tank or equipment.

Built-In Status Indication

Desiccant gel changes color from blue to pink to indicate that it is removing moisture, as well as when to replace the breather.

Step Up To Superior Protection

This breather unit is a marked improvement over the customary dust caps or OEM breathers on equipment. When contaminated air enters the top of the breather, it passes through layered filter media, preventing solid particles from entering the breather and causing undue wear to your equipment surfaces. Filtered air passes through a bed of Sinft-Dri™ silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the equipment reservoir during service or shut-down, keeping the equipment dry. The addition of check-valves in our CV breather is ideal for low-flow and intermittent operations in high humidity conditions.

Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

Application:

For example, a gearbox for wind power generation :

Gearbox Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Reference Standard Breather DC-BB

Desiccant Breathers Protect Diesel Fuel Storage Reservoirs, Gearboxes, Pumps And Other Industrial Equipment From Moisture And Particulate

The breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

SINFT Standard Breather Series



SIZING / Cross Reference :

Part Number	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Replace TTI	Replace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

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SINFT Standard Breather Products in the workshop

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Application:

For example, a gearbox for wind power generation :

Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Reference Standard Breather DC-4

Desiccant Breathers Protect Diesel Fuel Storage Reservoirs, Gearboxes, Pumps And Other Industrial Equipment From Moisture And Particulate

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SINFT Standard Breather Series



SIZING / Cross Reference :

Part Nmer	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Replace TTI	Replace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

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Application:

For example, a gearbox for wind power generation :

Gearbox Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Reference Standard Breather DC-3

Desiccant Breathers Protect Diesel Fuel Storage Reservoirs, Gearboxes, Pumps And Other Industrial Equipment From Moisture And Particulate

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SINFT Standard Breather Series



SIZING / Cross Reference :

Part Nmer	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Replace TTI	Replace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

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Application:

For example, a gearbox for wind power generation :

Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Reference Standard Breather DC-2

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SINFT Standard Breather Series



SIZING / Cross Reference :

Part Nmber	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Replace TTI	Replace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

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Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Reference Standard Breather DC-1



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SINFT Standard Breather Series



SIZING / Cross Reference :

Part Nmer	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Replace TTI	Replace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

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Cross Reference Hydac BD1000

Manufacturer SINFT

SINFT Part Number: SFT-HBDE1000

Tank breather dryer - for extended service life

Air flow up to 5,500 l/min

Fastening by means of flange, thread, or slip fit connection

Installation sizes: 200, 400, 1000

Two different desiccants used

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Cross Reference Hydac BDE400

Manufacturer SINFT

SINFT Part Number: SFT-HBDE400

Description Breather

Weight 2.3 kg

Max flow 20 l/min

Size 400

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Cross Reference : Hydac BDE200

Description Breather

Weight 1.7 kg

Max flow 10 l/min

Size 200

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DESICCANT BREATHERS



Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace STAUFF Desiccant Air Breathers SDB Part

Combination of air breather and water removal filter

Features:

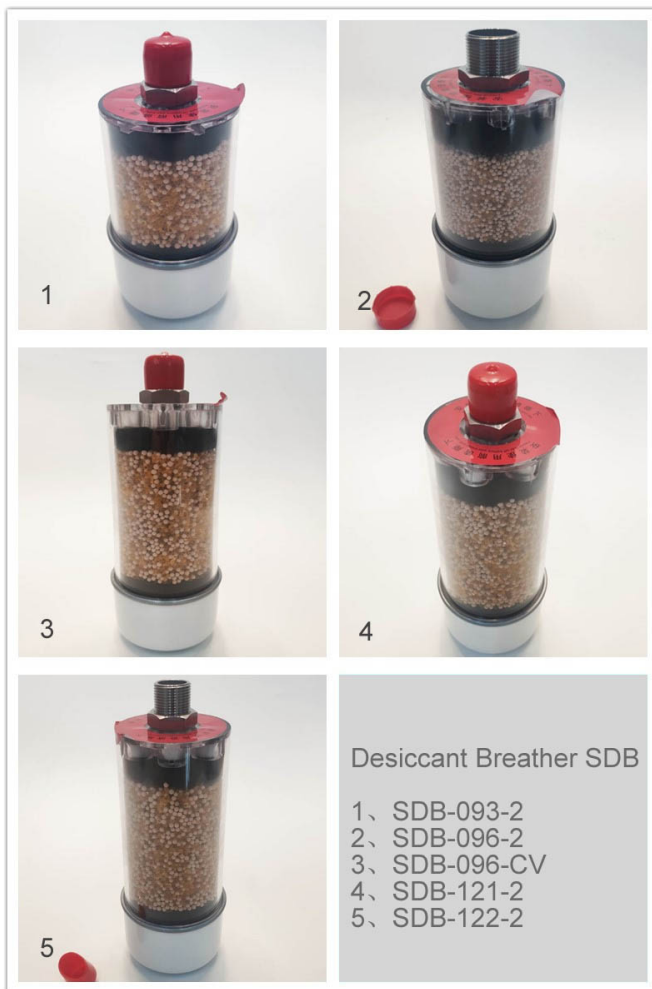
- Available in 4 different sizes
- Diameter of Ø100 mm / Ø3.94 in or Ø130 mm / Ø5.12 in
- Refillable with drying agent (non-toxic ZR gel grain) or a mix of drying agent and active carbon
- Drying agent capable in changing colour from Red to orange with increasing moisture
- Without dangerous substances according to

EC Council directives 99/45/EC and 2001/60/EC

- 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

Options / Accessories:

- Adaptor plate
- Visual contamination indicator
- Drying agent refilling material
- Active carbon refilling material
- Replacement air filter element



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DESICCANT BREATHERS



Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace **STAUFF** Desiccant Air Breathers **SDB** Part

Combination of air breather and water removal filter

Features:

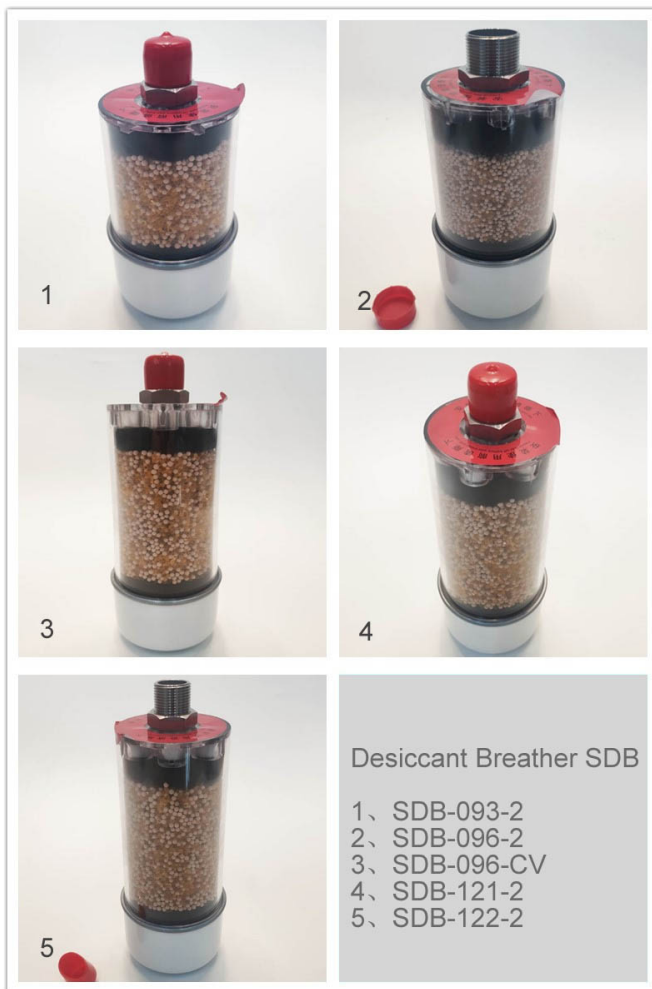
- Available in 4 different sizes
- Diameter of Ø100 mm / Ø3.94 in or Ø130 mm / Ø5.12 in
- Refillable with drying agent (non-toxic ZR gel grain) or a mix of drying agent and active carbon
- Drying agent capable in changing colour from Red to orange with increasing moisture
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on Stainless Steel tube
- Available with adaptor plate to simplify installation and
to enable the use of a visual contamination indicator

Options / Accessories:

- Adaptor plate
- Visual contamination indicator
- Drying agent refilling material
- Active carbon refilling material
- Replacement air filter element



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Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace STAUFF Desiccant Air Breathers SDB Part

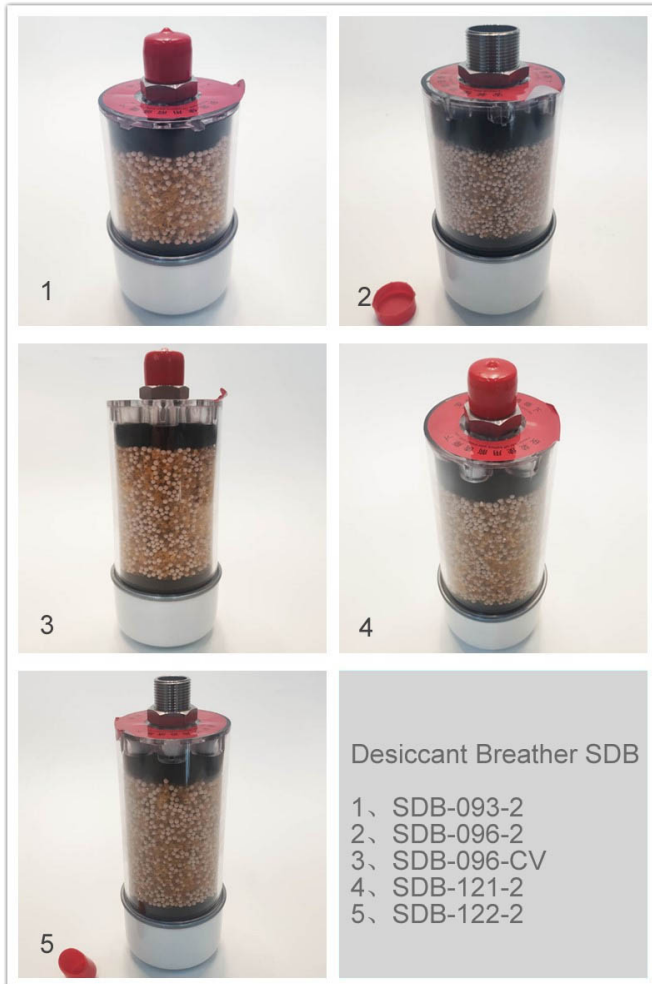
Combination of air breather and water removal filter

Features:

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- Drying agent capable in changing colour from Red to orange with increasing moisture
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Options / Accessories:

- Adaptor plate
- Visual contamination indicator
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- Active carbon refilling material
- Replacement air filter element



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DESICCANT BREATHERS



Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace STAUFF Desiccant Air Breathers SDB Part

Combination of air breather and water removal filter

Features:

- Available in 4 different sizes
- Diameter of Ø100 mm / Ø3.94 in or Ø130 mm / Ø5.12 in
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- Connection: Male BSP thread (ISO 228)
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Options / Accessories:

- Adaptor plate
- Visual contamination indicator
- Drying agent refilling material
- Active carbon refilling material
- Replacement air filter element



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DESICCANT BREATHERS



Dimensions and Technical Data:

Part number	SDB-093/2	SDB-096/2	SDB-121/2	SDB-122/2	SDB-096/CV
Cross Reference	SFT-SD-093-B	SFT-SD-096-B	SFT-SD-121-B	SFT-SD-122-B	SFT-SD-096-C
Connection type	Male G3/4 BSP	Male G3/4 BSP	Male G1-1/4 BSP	Male G1-1/4 BSP	Male G3/4 BSP
φ(MM)	98	98	130	130	98
Gross weight(kg)	1.2	1.5	2.70	4.00	1.5

Characteristics:

Replace STAUFF Desiccant Air Breathers SDB Part

Combination of air breather and water removal filter

Features:

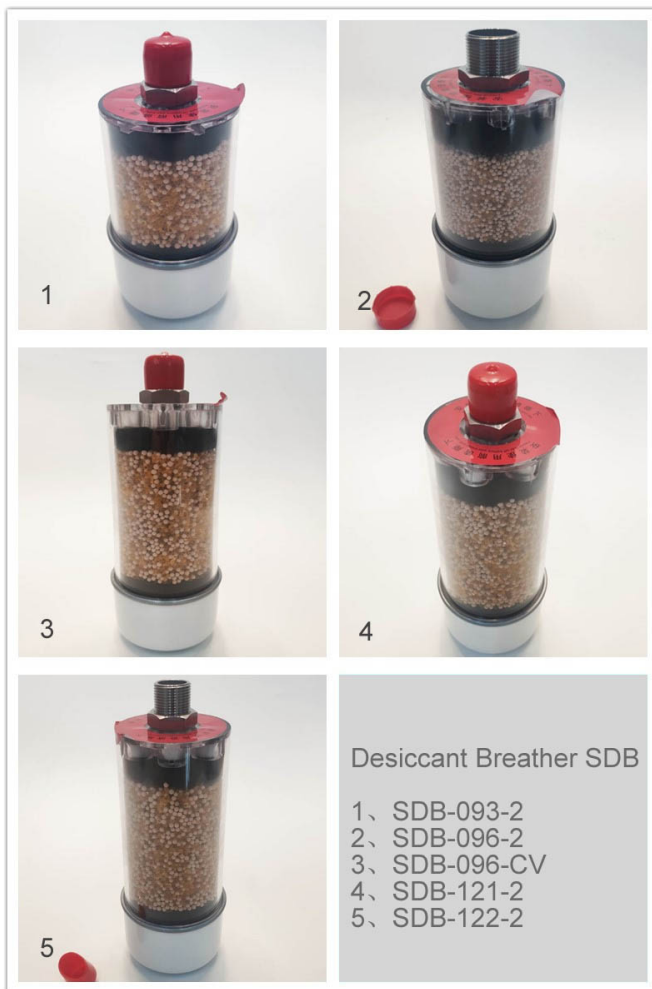
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- Connection: Male BSP thread (ISO 228)
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Options / Accessories:

- Adaptor plate
- Visual contamination indicator
- Drying agent refilling material
- Active carbon refilling material
- Replacement air filter element



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DESICCANT BREATHERS



Desiccant Breathers

Desiccant Breathers Protect Diesel Fuel Storage Reservoirs, Gearboxes, Pumps and other Industrial Equipment from Moisture and Particulate

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SINFT Standard Breather Series



SINFT Standard Breather Series

PRODUCT SPECS	SFT-SDC-BB	SFT-SDC-1	SFT-SDC-2	SFT-SDC-3	SFT-SDC-4
PRICE(USD/pcs)	12.85	14.15	17.15	22.4	26.85
Unit Height (in / mm)	3.90 / 99.06	5.31 / 134.9	6.125 / 155.6	8.125 / 206.4	10.125 / 257.2
Unit Diameter (in / mm)	2.52 / 64.1	2.52 / 64.1	4 / 101.6	4 / 101.6	4 / 101.6
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)	3/8" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)

Amount of Silica Gel (lbs / kg)	0.13 / .058	0.28 / .127	0.66 / 0.30	1.22 / 0.56	1.88 / 0.84
Adsorption Capacity (fl oz / ml)	0.79 / 23.3	1.68 / 49.7	4.00 / 118.2	7.45 / 220.3	11.3 / 333
Max. Flow Rate (cfm)	4.55 @ 1 psid	4.16 @ 1 psid	16 @ 1 psid	16 @ 1 psid	16 @ 1 psid
Max. Flow Rate (lpm)	128.84	117.8	453	453	453
Filter Efficiency	3 μ absolute ($\beta_3 \geq 200$)	3 μ absolute ($\beta_3 \geq 200$)	3 μ absolute ($\beta_3 \geq 200$)	3 μ absolute ($\beta_3 \geq 200$)	3 μ absolute ($\beta_3 \geq 200$)
Operating Temp. Range (°F)	-20° to 200°	-20° to 200°	-20° to 200°	-20° to 200°	-20° to 200°
Operating Temp. Range (°C)	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°

SIZING / Cross Reference :

Model	Unit Height(mm)	Unit Width(mm)	Repace Des Case	Repace TTI	Repace XCLUDE
SFT-SDC-1	134.9	64.1	DC-1	TT-1	LEXS375-28
SFT-SDC-2	155.6	101.6	DC-2	TT-2	LEXS1-66
SFT-SDC-3	206.4	101.6	DC-3	TT-3	LEXS1-122
SFT-SDC-4	257.2	101.6	DC-4	TT-4	LEXS1-188
SFT-SDC-BB	99.06	64.1	DC-BB	TT-BB	LEXS375-13

SINFT VentGuard Series



SFT-VG-2 Vent Guard Detail

SINFT VentGuard Series Size:

Part number:	SFT-VG-BB	SFT-VG-1	SFT-VG-2	SFT-VG-3	SFT-VG-4
Unit Height (in / mm)	3.90 / 99.06	5.31 / 134.9	6.125 / 155.6	8.125 / 206.4	10.125 / 257.2
Unit Diameter (in / mm)	2.52 / 64.01	2.52 / 64.01	4 / 101.6	4 / 101.6	4 / 101.6
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)	3/8" Multi-Fit (NPT, BSPP, BSPT)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)	1" Multi-Fit (NPT, BSPT, NPSM)
Amount of Silica Gel (lbs / kg)	0.13 / 58.6	0.28 / 125.3	0.66 / 0.30	1.22 / 0.56	1.88 / 0.84
Adsorption Capacity (fl oz / ml)	0.79 / 23.3	1.68 / 49.7	4.00 / 118.2	7.45 / 220.3	11.3 / 333
Max Flow Rate (cfm)	1.45 @ 1 psid	1.45 @ 1 psid	2.5 @ 1 psid	2.28 @ 1 psid	1.8 @ 1 psid
Max Flow Rate (lpm)	41.06	41.06	70.5	64.5	50.9
Filter Efficiency	3 μ absolute ($\beta_{s \geq 200}$)	3 μ absolute ($\beta_{s \geq 200}$)	3 μ absolute ($\beta_{s \geq 200}$)	3 μ absolute ($\beta_{s \geq 200}$)	3 μ absolute ($\beta_{s \geq 200}$)
Operating Temp. Range (°F)	-20° to 200°	-20° to 200°	-20° to 200°	-20° to 200°	-20° to 200°
Operating Temp. Range (°C)	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°

Gearboxes, reservoirs and pumps all “breathe” in use. As air contracts or expands or as entering fluid displaces air in a system, outside air is drawn in from the atmosphere. Unfortunately, this breathed-in air has water and particulate that will accumulate to contaminate your system.

A desiccant breather is a straightforward solution to the problem, blocking moisture and particles from entering. Testing of leading competitors has shown that Sinft-Dri Desiccant Breathers average almost 20% greater moisture-retention capacity versus leading brands.

Our unique design features a longer body, which permits 10% greater volume of silica gel desiccant beads when compared to leading competitors.



SINFT Standard Breather Products in the workshop

Advanced Silica Gel

Desiccant removes water from air prior to it entering your system, tank or equipment.

Built-in Status Indication

Desiccant gel changes color from blue to pink to indicate that it is removing moisture, as well as when to replace the breather.

Step Up to Superior Protection

This breather unit is a marked improvement over the customary dust caps or OEM breathers on equipment. When contaminated air enters the top of the breather, it passes through layered filter media, preventing solid particles from entering the breather and causing undue wear to your equipment surfaces. Filtered air passes through a bed of Sinf-Dri™ silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the equipment reservoir during service or shut-down, keeping the equipment dry. The addition of check-valves in our CV breather is ideal for low-flow and intermittent operations in high humidity conditions.

Standard breathers provide simple, yet dependable protection from moisture and particulate contamination in lubricants and equipment across multiple industries and applications. These versatile breathers are five times more effective than the leading non-desiccant breathers, providing optimal defense against humidity for your applications.

Application :

For example, a gearbox for wind power generation :

Gearboxes in wind turbines differ from those in high-speed machinery. In industrial gearboxes, the progress of failure can occur in weeks, days, or even hours. In wind turbines, the impact of contaminants on slower turning gear drives is slow and insidious. Nevertheless, the mean time between failure (MTBF) for gears and shaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

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DESICCANT BREATHERS



Cross Replace Desiccant Breathers For DC-VG Series

Cross replace DC-VG desiccant breathers has a check valve. The check valve provides a system increase without excessive pressure, and only works when necessary. This product mechanism can prevent premature saturation of silica gel and prolong the life of the product.

Part Number	DC-VG-BB	DC-VG-1	DC-VG-2	DC-VG-3	DC-VG-4
Unit Height (in / mm)	3.87 / 98	5.36 / 136	6.00 / 152	8.00 / 203	10.00 / 254
Unit Diameter (in / mm)	2.52 / 64	2.52 / 64	4.10 / 104	4.10 / 104	4.10 / 104
Connection Size	3/8" Multi-Fit (NPT, BSPP, BSPT)"	3/8" Multi-Fit (NPT, BSPP, BSPT)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"	1" Multi-Fit (NPT, BSPT, NPSM)"
Amount of Silica Gel (lbs / g)	0.1 / 59	0.3 / 127	0.8 / 365	1.4 / 643	2.0 / 913
Adsorption Capacity (fl oz / ml)	0.8 / 23	1.7 / 50	5 / 142	9 / 251	12 / 356
Max. Flow Rate (cfm)	1 @ 1 psid	1 @ 1 psid	12 @ 1 psid	11 @ 1 psid	10 @ 1 psid
Max. Flow Rate (lpm)	41	41	340	311	283
Filter Efficiency	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)
Operating Temp. Range (°F)	-20° to 200°	-20° to 200°	-20° to 200°	-20° to 200	-20° to 200°
Operating Temp. Range (°C)	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°	-29° to 93°

SINFT VentGuard DC-VG Series



SFT-VG-2 Vent Guard Detail

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Application:

For example, a gearbox for wind power generation :

GearboxGearboxes in wind turbines differ from those in high-speed machinery In industrialgearboxes, the progress of failure can occur in weeks, days, or even hours. In windturbines, the impact of contaminants on slower turning gear drives is slow andinsidious. Nevertheless, the mean time between failure(MTBF)for gears andshaft-support bearings can be increased by as much as two to three times by maintaining optimum levels of fluid cleanliness and dryness.

По вопросам продаж и поддержки обращайтесь:

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