

# DESICCANT BREATHING FILTER

**SINFTFILTER**  
HEBEI SINFT FILTER CO., LTD.

## Cross Reference DC SERIES

Type	DC-BB	DC-1	DC-2	DC-3	DC-4
Height	3.9"/99mm	5.31"/134.9mm	6.125"/155.6mm	8.125"/206.4mm	10.125"/257.2mm
Diameter	2.52"/61.04mm	2.52"/61.04mm	4"/101.6mm	4"/101.6mm	4"/101.6mm
Weight	0.31 lbs./0.14kg	0.28 lbs./0.23kg	1.21 lbs./0.55kg	1.87 lbs./0.85kg	1.87 lbs./1.2kg
Adsorption capacity	0.02L	0.05L	0.12L	0.22L	0.33L
Operate temperature	-20°F to 200°F / -29°C to 93°C				
Threaded	BSPT 3/8"	BSPT 3/8"	BSPT 1"	BSPT 1"	BSPT 1"


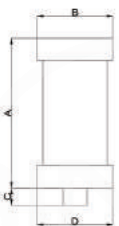
## Cross Reference DC-VG SERIES

Type	DC-VG-BB	DC-VG-1	DC-VG-2	DC-VG-3	DC-VG-4
Height	3.9"/99mm	5.31"/134.9mm	6.125"/155.6mm	8.125"/206.4mm	10.125"/257.2mm
Diameter	2.52"/61.04mm	2.52"/61.04mm	4"/101.6mm	4"/101.6mm	4"/101.6mm
Weight	0.31 lbs./0.14kg	0.28 lbs./0.23kg	1.21 lbs./0.55kg	1.87 lbs./0.85kg	1.87 lbs./1.2kg
Adsorption capacity	0.02L	0.05L	0.12L	0.22L	0.33L
Operate temperature	-20°F to 200°F / -29°C to 93°C				
Threaded	BSPT 3/8"	BSPT 3/8"	BSPT 1"	BSPT 1"	BSPT 1"


## Cross Reference DC-EX SERIES

Type	DC--EX-1	DC--EX-2	DC--EX-3	DC--EX-4
Unit Height	4.7"/119mm	6.4"/163mm	8.3"/208mm	10"/254mm
Unit Diameter	5.66"/143.88mm	5.66"/143.88mm	5.66"/143.88mm	5.66"/143.88mm
Amount of SilicaGel	1.2 lbs./0.54kg	2.2 lbs./1.0kg	3.2 lbs./0.54kg	4.2 lbs./1.91kg
Connection Size	BSPT 1"	BSPT 1"	BSPT 1"	BSPT 1"
Flow Rate(cfm)	27 @ 1 psid	26 @ 1 psid	25 @ 1 psid	24 @ 1 psid

## Cross Reference HYDAC BDH SERIES

	Technical Parameter				
	Model	A	B	C	D
	SFT-BDH100	128mm	127mm	33mm	131mm
	SFT-BDH200	150mm	127mm	33mm	131mm
	SFT-BDH400	230mm	127mm	33mm	131mm

## Cross Reference F SERIES

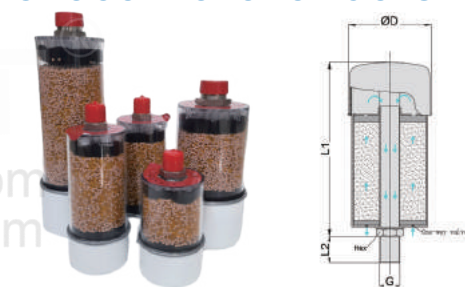
	Technical Parameter				
	Model	A	B	C	D
	SFT-BDF100	172mm	131mm	32mm	131mm
	SFT-BDF200	195mm	131mm	32mm	131mm
SFT-BDF400	275mm	131mm	32mm	131mm	

## Cross Reference STAUFF SDB SERIES



Type	Threaded G	Dimensions (mm)				Weight complete unit (g)	Max. Water Absorption (g)	Air Breather Element			
		ΦD	L1	L2	Hex			Type	Filter Material	Micron Rating	Max. Air Flow Rate
SFT-SDB-093/2	G3/4 BSPT Male (ISO228)	100	160	20	32	1200	300	SGB-090-03-B	Inorganic Glass Fibre	3µm	0.70m³/min
SFT-SDB-096/2	G3/4 BSPT Male (ISO228)	100	220	20	32	1500	600	SGB-090-03-B	Inorganic Glass Fibre	3µm	0.70m³/min
SFT-SDB-121/2	G1-1/4 BSPT Male (ISO228)	130	256	> 25	50	2700	1000	SGB-090-120-B	Inorganic Glass Fibre	3µm	1.50m³/min
SFT-SDB-122/2	G1-1/4 BSPT Male (ISO228)	130	362	> 25	50	4000	2000	SGB-090-120-B	Inorganic Glass Fibre	3µm	1.50m³/min

## Cross Reference SDB-096/121/122-CV



Type	Threaded G	Dimensions (mm)				Weight complete unit (g)	Max. Water Absorption (g)	Air Breather Element			
		ΦD	L1	L2	Hex			Type	Filter Material	Micron Rating	Max. Air Flow Rate
SFT-SDB-096-CV	G3/4 BSPT Male (ISO228)	100	220	20	32	1500	600	SGB-090-03-B	Inorganic Glass Fibre	3µm	0.70m³/min
SFT-SDB-121/2	G1-1/4 BSPT Male (ISO228)	130	256	> 25	50	2700	1000	SGB-090-120-B	Inorganic Glass Fibre	3µm	1.50m³/min
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# PROFESSIONAL CERTIFICATION, QUALITY ASSURANCE

## CE certification (Conformité Européenne)CE

Why do hydraulic filters require mechanical instruction certification ce

CE certification (Conformité Européenne) is a mandatory certification on the European market, covering a wide range of products, including hydraulic filters. The purpose of CE certification is to ensure that products comply with the relevant safety, health and environmental requirements of European regulations.

Generally speaking, ordinary Chinese middlemen usually aim at general standards when conducting CE certification. Our products have obtained more professional MD mechanical directive certification. MD mechanical directive is the unified requirement of EU for the safety of mechanical products. It has been used to ensure that mechanical equipment can meet safety standards in the design and manufacturing process, and to protect public health and safety.

## Do comparative experiments with the industry's cutting-edge products Make high quality substitutes

We did a comparative experiment between our product and the des-case, the name of the experiment is "DURABILITY SILICAGEL FILTERS DES-CASE ALTERNATIVE BRAND "

### REQUESTED OUTPUT:

- An objective comparative study of the moisture absorption capacity of both filters (based on photos)
- Discoloration of the silica gel granules must be clearly visualized
- Time registration in hours
- Humidity in%
- Theoretical flow rate air pump (34 l / min)
- Values are measured every 30 minutes



Fig 1: test setup



Fig 2: registered values

### CONCLUSION:

A. The change of color from purple to pink is almost the same for Dea-case DC-4 and the alternative brand..

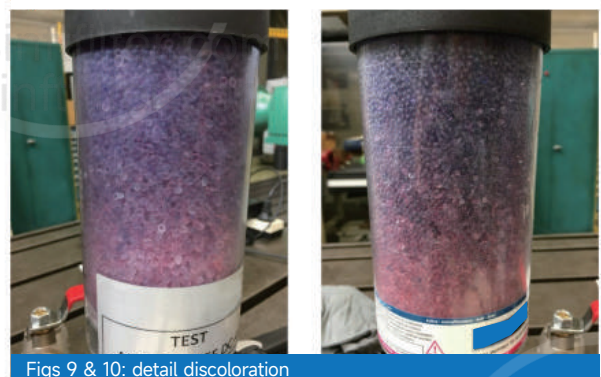
B. One could conclude that the absorbency of the alternative is comparable to the Des-case filter, resulting in a long service life. However, an important parameter for reaching a full decision has not been measured and that is the pressure drop (suction resistance) in both filters.

C. Since our products have passed the strict inspection of EU and professional institutions, and our products are cheaper under the premise of equal quality, we have more foreign customers and a large number of orders.

TEST REPORT		TLA-051-2016-002 Confidential	
COMPARATIVE TEST DURABILITY SILICAGEL FILTERS DES-CASE ↔ ALTERNATIVE BRAND		P. 4	Ed. A
		Date: 2016-08-02	



Magnification fig 6



Figs 9 & 10: detail discoloration

# FREQUENTLY ASKED QUESTIONS

## How long does a breather last?

Depending on the following 3 variables, a breather, if properly sized, lasts anywhere from 3 to 6 months:

- How humid the work environment is.
- Intake frequency and volume of breathing.
- How much silica gel is in the breather (relates to the amount of water the breather can hold).

Humid work environments tend to shorten the lifespan of a desiccant breather. This is because as the humidity increases, the silica gel reaches its maximum moisture-holding capacity faster. Once this capacity is reached, no more moisture can be removed from incoming air.

## The SINFTFLTER Difference

### 1.High Quality

Our product quality compares favorably vs all our competitors (large and small). Our desiccant line is directly interchangeable with both Des-Case and Air Sentry, and offers 20–25% greater performance.

### 2.Diverse Product Offering

Our products range allows us to offer solutions to problem applications in a wide variety of industries.

### 3.Superior Value

We offer excellent price points, coupled with our outstanding product performance making us the best overall value in the industry.

### 4.Partnership

Our customers truly enjoy working with us. We are timely in our responses and do what we say that we will do.

### 5.Flexibility

We invite end users to bring us their most challenging applications. We have the ability and are willing to customize products to fit specific customer needs.



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#### Exceptional Lead-times

Typically a fraction of the competition. We measure in 1-3 days, our competition measures in weeks – this is extremely valuable.

Try One on Us

Receive your complimentary disposable desiccant breather today.

Request a Free Breather

Visit the webshop and find the prices and much more..

[www.sinffilter.com](http://www.sinffilter.com)