

По вопросам продаж и поддержки обращайтесь:

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

DESICCANT BREATHERS



Desiccant Breathers

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



SINFT Standard Breather Series Products

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	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°

SIZING / Cross Reference :

Model	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

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 ($\beta_2 \geq 200$)	3 μ absolute ($\beta_2 \geq 200$)	3 μ absolute ($\beta_2 \geq 200$)	3 μ absolute ($\beta_2 \geq 200$)	3 μ absolute ($\beta_2 \geq 200$)
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 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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COMPRESSED AIR FILTER ELEMENTS



Compressed Air Filters

SINFT® compressed air filters prevent dust, dirt, oil and water from your equipment. Dust will wear down your equipment (like the air motor in grinders), pneumatic actuators and it can make pneumatic control valves get stuck.

Particularly when the dirt and dust combined with oil (which is often the case with compressors), a sticky mess can form inside valves, motors and other compressed air equipment. You need to install some compressed air filters to protect your equipment .

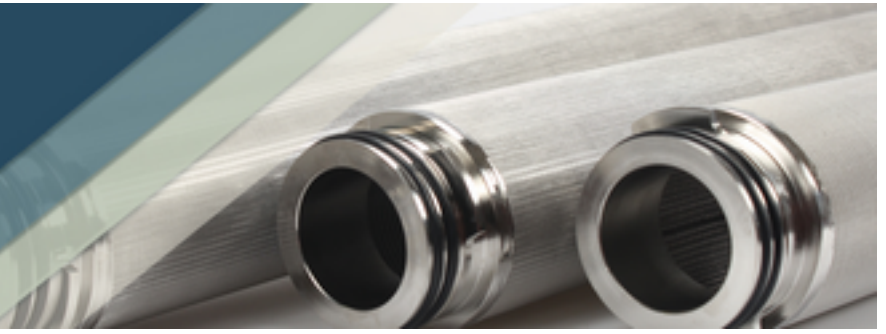
Air enters on one side and goes through the filter element, where all dust, water or oil is collected. The clean air then leaves the filter housing on the other side.

SINFTFILTER Stainless Filter Element Specifications

- Lower total cost of ownership
- Lower environmental impact reducing CO2 emissions
- Guaranteed continuous air quality
- Design to be retrofitted into original filter housings
- Replaces standard filter elements

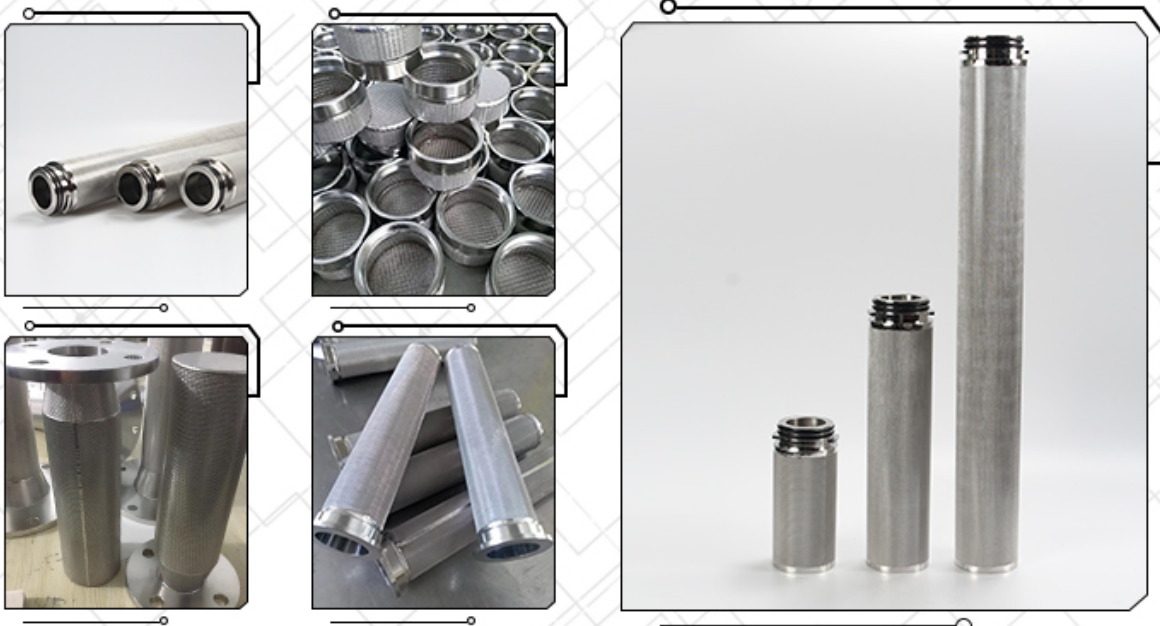
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SINTERED MESH FILTER ELEMENTS



Sintered mesh filter element

The sintered filter element is a new type of filter material with high mechanical strength and overall rigidity, which is made of multilayer stainless steel wire mesh through special laminates and vacuum sintering. It usually consists of 5 layers (or 6-8 layers) grid: protective mesh layer, filter mesh layer, protective mesh layer, enhanced mesh layer and enhanced mesh layer. Sintered metal filters have higher advantages than ordinary metal wire meshes, such as high strength, good rigidity, and stable mesh shape. Due to the reasonable matching and design of the material's void size, permeability and strength characteristics, it has excellent filtration accuracy, filtration resistance, mechanical strength, wear resistance, heat resistance and processability, and its comprehensive performance is obvious Superior to other types of filter materials, sintered metal filter plates can be formed as filter elements, such as sintered filter discs, sintered filter cartridges, sintered filter laminates, and sintered filter tubes. The Sintered mesh filter element is made through a mold through a high-temperature sintering process to form filters of different shapes, such as sintered filter baskets and sintered cone filters, sintered cup filters, sintered cap filters and sintered filter plates.



Stainless Steel Sintered Filter Cartridge produced by SINFT are widely used in

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MINING -Disc filter for coal and minerals , High pressure hydraulic filter candles)

CHEMICALS (Candle filters , Nutsche filters , Dryers Bag filters) PHARMACEUTICALS (Disaeration filters)

MACHINE TOOLS (Cooling lubricant filters in filter drums)

AUTOMOTIVE (Fuel filters , Filter for brake fluid Servovalves)

FOODSTUFFS (Filter plates for juice and wine)

PLASTICS PROCESSING (Melt filters , Polymer candle filters , Spinning nozzle filters)

Material:

The material of sintered wire mesh is usually stainless steel 304, SS316, SS316L, but alloy steel Hastelloy, Monel, Inconel and other metals or alloys.

Process:

Plain weave, Twill weave, Plain Dutch weave, Dutch twill weave.

Characteristic:

High strength: After sintering the five-layer wire mesh, it has extremely high mechanical strength, acid and alkali resistance, high temperature resistance, tensile and abrasion resistance ;

High precision: uniform surface filtration performance can be exerted for the filtration particle size of 2-300um;

Heat resistance: can be used for continuous filtration from -200 degrees to up to 650 degrees;

Cleanability: Simple cleaning due to the surface filter structure with excellent countercurrent cleaning effect ;
Manufacture and provide various sizes of filters according to customer requirements ;



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COALESCING FILTER ELEMENTS

Coalescing Filter Elements

Coalescing Filters are the optimal choice for oil and water removal from gaseous systems. Coalescing Filter Elements are ideal for the Oil and Gas industry.

SINFT Filters manufactures coalescing filter elements to separate liquid aerosols such as water and oil from air or gas streams. The elements have a hydrophilic core to condense liquid aerosols into droplets that are large enough to be drained away via gravity. Coalescing filters are a dual function product: they also remove submicron solids.

Coalescing filter elements are also used to separate immiscible liquids such as water from fuels and oils with different densities. In this role, they can provide dry, particulate-free jet fuels, diesel fuel, turbine fuel, lube oil or insulating oil.

Coalescing filter elements are widely used in

- Compressed air filtration
- Compressed natural gas filtration
- Mist elimination
- Refrigeration systems
- Air/oil separation

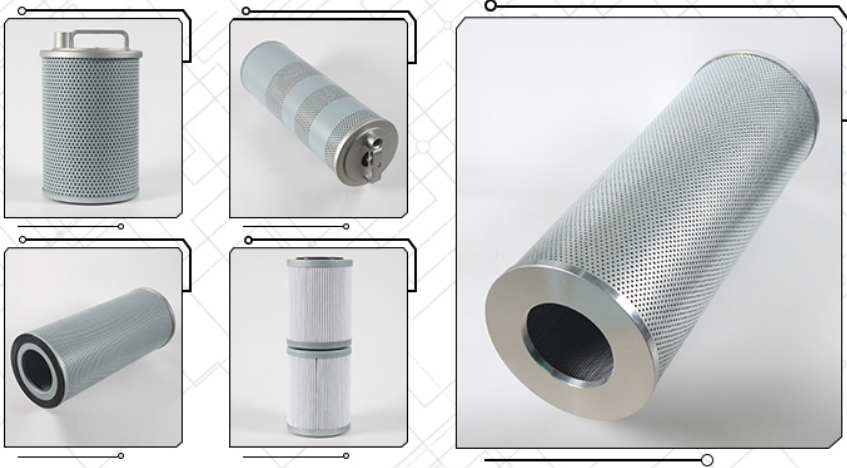
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ENGINEERING MACHINERY FILTER ELEMENTS



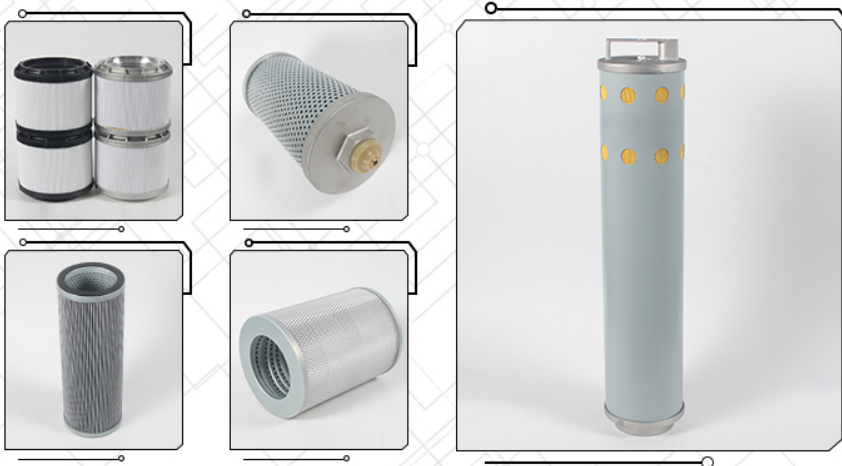
Engineering machinery Filter Elements

SINFT® provides some alternative filter elements for construction machinery. You can use our "Filter Element Cross Reference Exchange" tool to find the SINFT filter element equivalent to the construction machinery filter element. We have the following options:



SANY, XCMG, LIUGONG, JCM, GC, SDLG, XGMA, LONKING, YUCHAI, SUNWARD
FOTON LOVOL, LISHIDE, WORLD, ZOOMLION, CARTER, XWMG, KOMATSU, HITACHI, HITACHI
ZAXIS, CATERPILLAR, KOBELCO, HYUNDAI, DOOSAN-DAEWOO, VOLVO,
SUMITOMO, KATO, CASE, KUBOTA, JCB, LIEBHERR, IHISCE, TAKEUCHI.

*SINFT is an independent industrial filter manufacturer, not a distributor of the above brands, and the above brand names are for reference only.



INDUSTRIAL PROCESS FILTER ELEMENTS



Industrial Process Filter Elements

SINFT filters provide a series of filter elements for industrial, chemical, natural gas and other processes. Our process filter system can ensure increased production efficiency, protect your valuable equipment investment and simplify installation and maintenance processes. In our selection, you will find the best solution specifically for high temperature and harsh, corrosive environments. We have three processes:

SINFT stainless steel industrial filter element can cope with harsh temperature, viscosity, etc.

SINFT pleated glass fiber industrial process filter element has high performance and long service life.

SINFT wedge wire filter element (Johnson filter element), Wedge Wire Filter Element - Stable Filtration. Wedge wire filter element also named wedge wire screen is made of V-shape profile wire and longitudinal support rods. Each intersecting point of these wires is fusion welded which makes it has sturdy construction and good mechanical property.

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