SWIFT FILTERS, Inc™

Swift-Dri™ Desiccant Breathers

Protect Reservoirs, Gearboxes & Equipment from Particulate and Moisture

Swift-Dri™ Desiccant Breathers

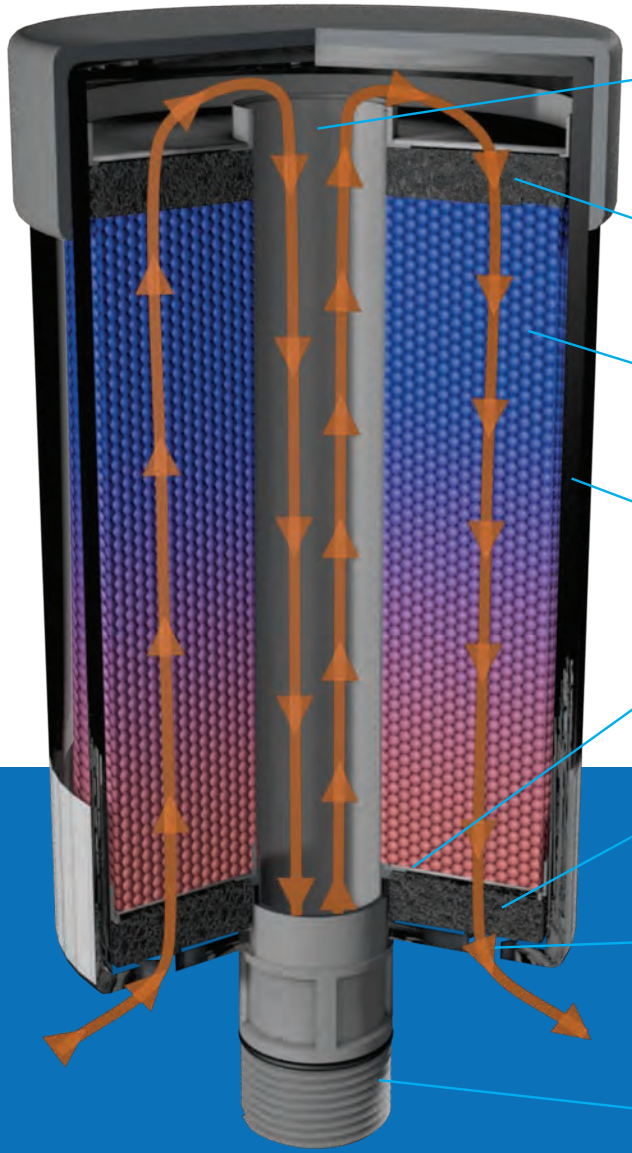
Gearboxes, reservoirs and pumps all "breathe" in use. As air contracts or expands or as entering fluid displaces air in a system, outside air is drawn in from the atmosphere. Unfortunately, this breathed-in air has water and particulate that will accumulate to contaminate your system.

A desiccant breather is a straightforward solution to the problem, blocking moisture and particles from entering. Laboratory testing of leading competitors has shown that Swift-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.

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 Swift-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.



Center Tube
The center tube is constructed from rugged nylon material providing rigidity to the element and allowing for even airflow through the silica gel.

Secondary Filter Media
Second filter step prevents any possible migration of silica dust providing added system protection.

Moisture Absorbent
The Swift-Dri™ silica gel provides industry leading moisture removal and holds up to 40% of its weight.

ABS Outer Shell
Clear outer shell provides a visual indicator of silica gel condition allowing for optimum change out intervals.

Filter Media
3-micron absolute particulate filtration is provided by a polyester filter media.

Oil Mist Collector
Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture absorbing silica gel.

Air intakes
Air intakes are opened based on flow requirements and provide moisture protection for breather while being shipped/stored.

Sure-fit Connection
Uses multi-fit connection instead of filler/breather cap. Adapters also available.

Optional Check Valves — Our CV models have check valves to isolate equipment from high humidity ambient conditions, prolonging breather life.

Protect Your Lubricants & Equipment from Moisture and Dirt

Standard Model Check Valve Model	SFD-005 SFD-005-CV	SFD-010 SFD-010-CV	SFD-020 SFD-020-CV	SFD-030 SFD-030-CV	SFD-040 SFD-040-CV
Connection	3/8" Sure-Fit (NPT, BSPP, BSPT)	3/8" Sure-Fit (NPT, BSPP, BSPT)	1" Sure-Fit (NPT, BSPP, NPSM)	1" Sure-Fit (NPT, BSPP, NPSM)	1" Sure-Fit (NPT, BSPP, NPSM)
Height	4.30" (10.92 cm)	5.80" (14.73 cm)	6.24" (15.85 cm)	8.44" (21.27 cm)	10.54" (26.78 cm)
Width	2.52" (6.40 cm)	2.52" (6.40 cm)	4.10" (10.41 cm)	4.10" (10.41 cm)	4.10" (10.41 cm)
Diameter	2.35" (6.00 cm)	2.35" (6.00 cm)	3.84" (9.75 cm)	3.84" (9.75 cm)	3.84" (9.75 cm)
Stem Height	0.5" (1.27 cm)	0.5" (1.27 cm)	1.25" (3.175 cm)	1.25" (3.175 cm)	1.25" (3.175 cm)
Silica Gel	80 g	150 g	360 g	640 g	980 g
Max Moisture Retention	1.0 fl. oz. (28 ml)	2.0 fl. oz. (60 ml)	4.8 fl. oz. (142 ml)	8.9 fl. oz. (264 ml)	14.3 fl. oz. (424 ml)
Max Airflow at 1-PSID Standard Model Check Valve Model	 7 cfm (1981 pm) 5 cfm (1421 pm)	 7 cfm (1981 pm) 5 cfm (1421 pm)	 18 cfm (5101 pm) 10 cfm (2831 pm)	 18 cfm (5101 pm) 10 cfm (2831 pm)	 18 cfm (5101 pm) 10 cfm (2831 pm)
Particulate Efficiency	3µ[c] >1000	3µ[c] >1000	3µ[c] >1000	3µ[c] >1000	3µ[c] >1000

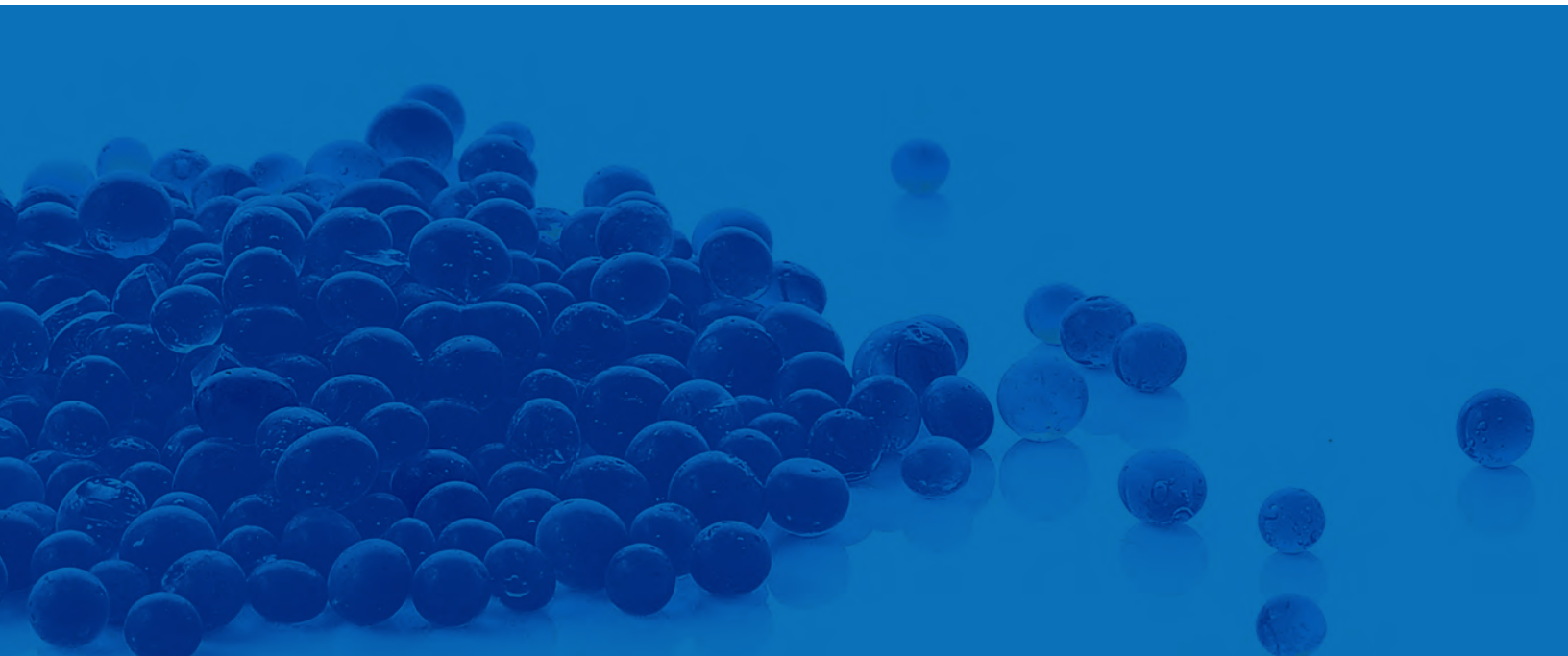
Reservoir
Adapters

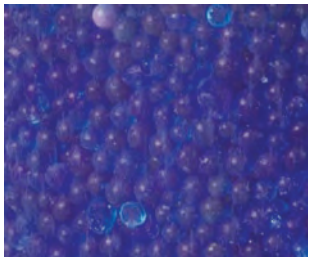
	SFBA-1000	SFBA-1100	SFBA-1200	SFBA-1300	SFBA-1400
Element Connection	1" NPT	1" NPT	1" Slip Fit	1" FNPT	1" FNPT
Reservoir Connection	Bayonet	Flange 6 ANSI Mounting Holes	1"-12 UNF	1" FNPT	2" MNPT

General Sizing Guidelines
Recommended Maximum Volume

Application	SFD-005 SFD-005-CV	SFD-010 SFD-010-CV	SFD-020 SFD-020-CV	SFD-030 SFD-030-CV	SFD-040 SFD-040-CV
Gearbox or Fluid Storage Tank	18 gal / 68 L	42 gal / 160 L	240 gal / 900 L	420 gal / 1600 L	600 gal / 2300 L
Hydraulic Reservoir	2.5 gal / 9 L	6 gal / 23 L	72 gal / 270 L	120 gal / 450 L	240 gal / 900 L

The data above provides a starting point to select a breather model for your application. Factors impacting the service life of a given unit include: flow rate, breathing volume & frequency, environmental humidity, temperature, among others.



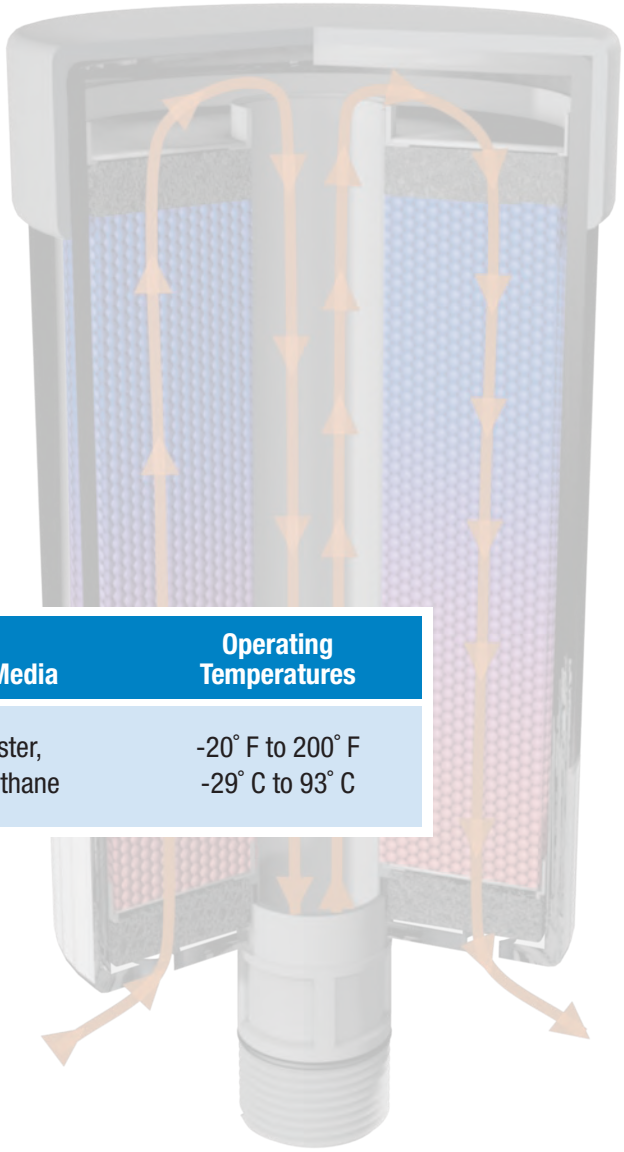


Advanced
Silica Gel

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.



Materials

Body	Moisture Absorbing Media	Filter Media	Operating Temperatures
ABS, Nylon, Polypropylene, Buna	Silica Gel	Polyester, Polyurethane	-20˚ F to 200˚ F -29˚ C to 93˚ C

For over 40 years, Swift Filters has been certified as an approved source for the U.S. Department of Defense and for private aerospace manufacturers.

ISO 9001:2015
Registered Quality System

Made in USA

Registered Quality System

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