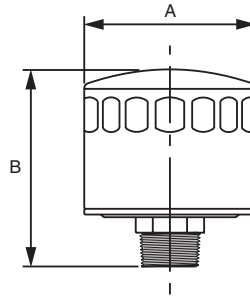


Air Breathers

ABF-3/10
 ABF-3/10-M-P12
 ABF-S40
 ABF-S40-M-P12
 MBF-3-M-P20
 MBF-10-M-P20



Breathers with NPT Adapters



Air Breathers

Filler Strainer Assemblies

Magnetic Suction Separators

Suction Strainers

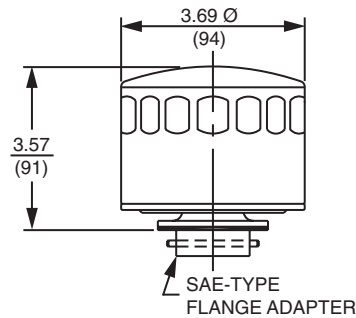
Specifications: Breathers with NPT Adapters

Model Number	A	B	Adapter Type	Minimal Micron Retention	Normal Capacity	Air Flow/psi Drop
ABF-3/10	3.69 (94)	4.28 (109)	.75" NPT Nylon	10	40 SCFM	0.4 psi at 20 SCFM- 1.25 psi at 40 SCFM
ABF-3/10-M-P12			.75" NPT Steel	10		
ABF-S40	3.69 (94)	4.28 (109)	.75" NPT Nylon	40	40 SCFM	0.29 psi at 20 SCFM- 1.06 psi at 40 SCFM
ABF-S40-M-P12			.75" NPT Steel	40		
MBF-3-M-P20	5.06 (128)	8.31 (211)	1.25" NPT Steel	3	200 SCFM	0.3 psi at 70 SCFM- 1.25 psi at 200 SCFM
MBF-10-M-P20				10		

SCFM = Standard Cubic Feet per Minute

ABF-3/10-F, ABF-S40-F

These breathers are designed for retrofit on hydraulic reservoirs using the SAE-type flange fill port assembly.



Breathers with Flange Adapters



ABF-3/10FA, B, C, ABF-S40FA, B, C Breathers with Dipstick

The air breathers above are also available with a dipstick up to 24 inches in length. The dimensions to the "add line" and the "fill line" must be specified in the model number ABF-3/10-F, A, B, C, where:

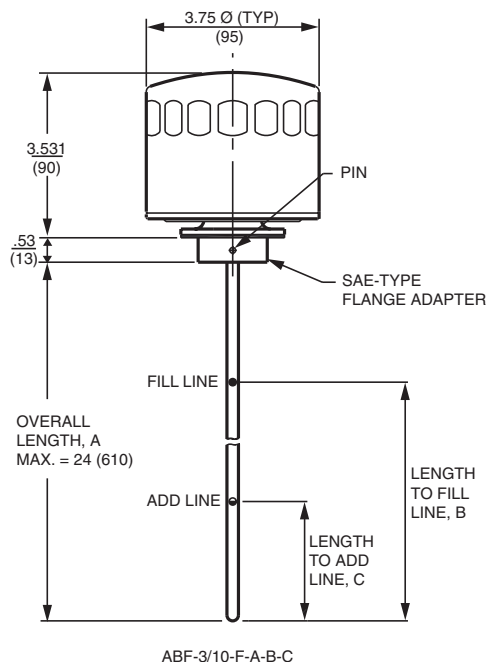
A = overall length of the dipstick in inches

B = length from tip of dipstick to fill line in inches

C = length from tip of dipstick to add line in inches

For safety reasons, the tip of the dipstick is rounded. No tools are needed for installation and removal. A quarter turn should snugly seal the breather in place.

Minimum order quantity is 12.



Air Breathers

Plastic Air Breather



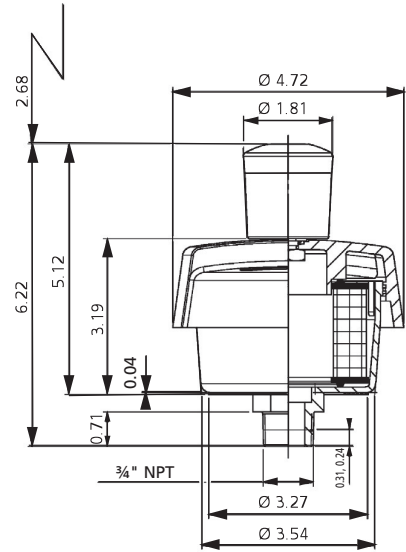
PABR7P3W.75

PABR7P3W.75 Plastic Air Breather with visual indicator and replaceable element, 3/4" threaded connection, 3 micron element

This air breather from Schroeder offers two unique features:

- Visual analog indicator that shows the current contamination level as a percentage
- Replaceable element – only the element is replaced, cutting down on the overall operating costs
- Visual indicator shows current contamination levels
- Shows level even when system is shut down
- Replacing just the element cuts down on costs
- Activation of the manual yellow button returns indicator to original setting following element replacement
- Filter element rating 3 µm absolute
- Compatible with commercial industrial hydraulic fluids
- Threaded connection fits 3/4" NPTF
- Range of indication: 0.5 psi (0.035 bar)

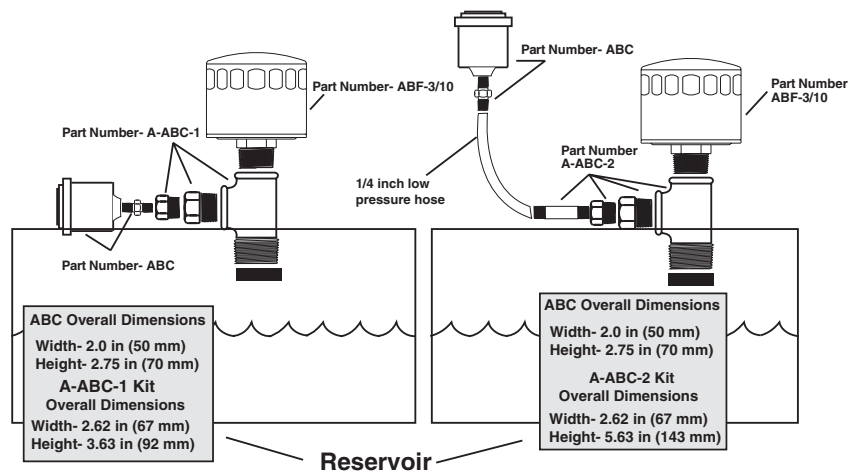
Replacement Element P/N = R-PAB7-3



Air Breather Check (ABC) An Indicator For Your Air Breather



The Air Breather Check (ABC) takes the guesswork out of when to change your air breather because it doesn't care how dirty the air breather looks or how long it's been installed. It only cares how well the breather is working. The air breather check is calibrated in inches of water and will activate, providing a visual indication, when a vacuum equivalent of 15 inches of water (3.75 kPa) is reached. The ABC can be reset simply by depressing the yellow button and used over and over again.



Air Breathers

Air Breathers

Desiccant Filter Breather



Filler Strainer Assemblies

Magnetic Suction Separators

Suction Strainers

Mechanics and System Protection

The Schroeder desiccant air breathers are designed to increase operational efficiency while reducing operating costs by protecting industrial systems from moisture and particle contaminants.

As fluid levels drop and pressure changes occur in a system, moist air is drawn through the Schroeder breather (as shown in the diagram below). Air passes through a 2-micron solid contaminant filter and a diffuser (which ensures maximum efficiency in the silica gel chamber). Water vapor in the air is absorbed by the silica gel before the dry air passes through a second 2-micron contaminant filter. The filtered air that enters the reservoir is void of moisture and abrasive contaminants such as salts and acids.

They are made with environmentally disposable silica gel, which adsorbs and traps moisture. Maximum ambient temperature is 200°F (93°C).

Operational Features and Benefits

Bi-directional Air Flow

As moist air flows through the breather's filtration system, it is cleaned of impurities and dried. Expelled air partially regenerates the silica gel and "backflushes" the particulate to prolong the life of the breather.

Durable Construction

The desiccant air breathers are manufactured in the USA from rugged ABS plastic and impact-modified Plexiglas.

Water Vapor Absorbent

Silica gel is chemically inert, non-toxic, non-deliquescent and non-corrosive. Its internal structure of interconnected microscopic pores absorbs up to 40% of its weight.

Color Indicator

As the gold silica gel absorbs water, it turns green to indicate that it has reached its functional capacity and that replacement of the breather is required.

Dual Anti-static Filter System

The solid contaminant filters are designed to reduce the potential for explosion in dusty environments.

Safety Sealed

To ensure a long shelf life and premium operating performance, each desiccant breather is individually sealed and vacuum packed to protect it from moisture before it is placed in service. All seals are easily removable without the use of tools or sharp instruments.

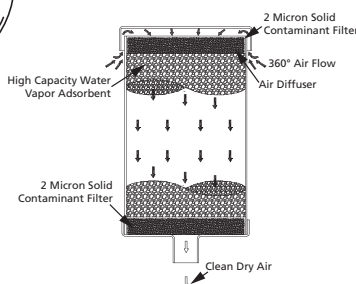
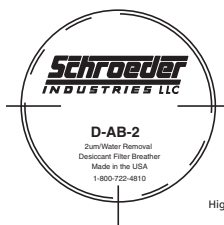
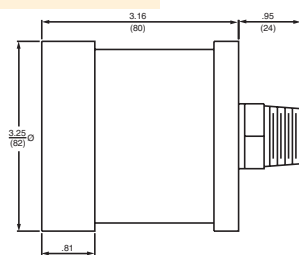
Benefits

- Anti-static features to protect against fire ignition
- High water absorption capacity (up to 18.5 oz)
- Long operating life and low maintenance costs
- Environmentally safe disposable silica gel
- Compatibility with a variety of applications
- Prevents rust and oxidation
- Minimizes component wear and maintenance
- Curtails freezing and additive depletion
- Diminishes fluid degradation and orifice blockage
- Extends oil filter and hydraulic system life

Applications

- New and Retrofit Applications
- Hydraulic Reservoirs
- Gear Boxes
- Storage Tanks

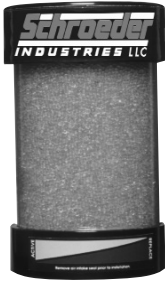
D-AB-2
D-AB-2-F
D-AB-8



Specifications

Model Number	Adapter	Normal Capacity	Air Flow/psi Drop
D-AB-2	.75" NPT Male	20 SCFM	2 psi at 20 SCFM
D-AB-2-F	2.25" SAE J829 Flange	20 SCFM	2 psi at 20 SCFM
D-AB-8	2" NPT Male	100 SCFM	Not available

Air Breathers

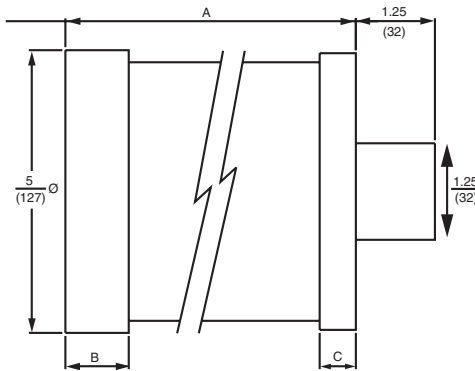


D-AB-4



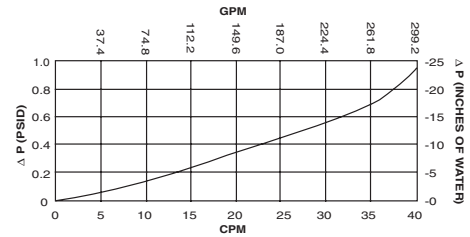
R-AB-4

D-AB-4
R-AB-4
Adapters for both models



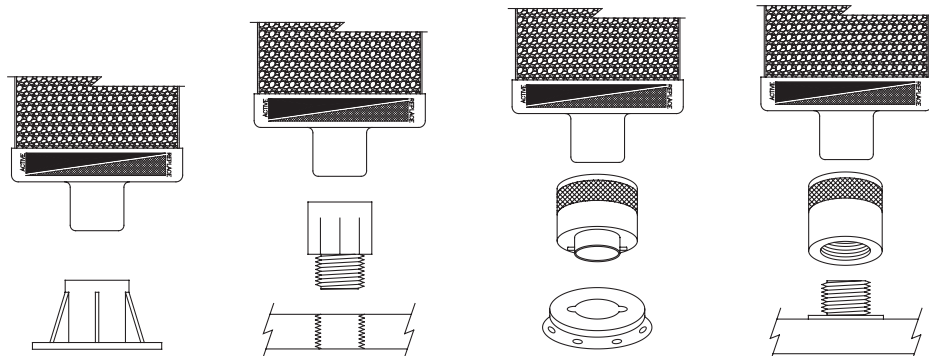
Specifications

Model Number	Normal Capacity	Air Flow/psi Drop	A	B	C
D-AB-4	35 SCFM	0.70 psi at 35 SCFM	8 (203)	1.75 (44)	0.75 (19)
R-AB-4	35 SCFM	0.70 psi at 35 SCFM	10 (254)	3.00 (76)	1.50 (38)



Both D-AB-4 and R-AB-4 require an adapter, purchased separately and described below.

Adapter Selection Guide



Flange Adapter
Part No. D-AB-FA (without holes)
Part No. D-AB-FA1 (with holes)

Threaded Adapter
Part No. D-AB-TA1 (1" MNPT)
Part No. D-AB-TA34 (3/4" MNPT)

Bayonet Adapter
Part No. D-AB-BA

Spin On Adapter
Part No. D-AB-SOA1 (1" 12UNF)
Part No. D-AB-SOA112 (1-1/2" 16UNF)

The R-AB-4 features inlet and outlet check valves located in the reusable cap (head), which control both the airflow into the reservoir and the airflow out of the reservoir and prolongs the life of the desiccant by allowing the air to flow through the breather only when needed to protect the integrity of the reservoir by establishing the thresholds of vacuum (air in) and pressure (air out). Check valve settings are 0.3 psi in and 2.1 psi out.

The R-AB-4 also includes a reusable top cap which allows for the economic replacement of the desiccant cartridge.

P/N for replacement cartridge is R-AB-ELE.