



Schroeder
INDUSTRIES

BREATHERS & FILLER BREATHERS



Importance of Breathers

Breathers are integral components in any hydraulic system. They filter out particulate found in harsh industrial and mobile environments. Because breathers are commonly overlooked or regarded as a commodity, consumers often make selections based solely on price. This mistake can cause system inefficiency and component failure. Using high-quality, cost-effective Schroeder breathers will combat the ingress of airborne contamination, therefore increasing the efficiency and reliability of the system.

Schroeder Quality

Schroeder breather elements are made of high-quality phenolic resin impregnated paper or sythetic media, providing low-cost, high-efficiency protection. Unlike sponge elements, phenolic impregnated paper media or synthetic media provides resistance to moisture, ensuring proper filtration over the operational service life of your breather. Schroeder breather efficiency is rated at 3µm.



MODEL	PAB1	PABS1	PAB3	PABS3	PAB7	
gpm (L/min)	80 (300)	80 (300)	200 (750)	200 (750)	500 (1900)	
cfm (meter³/hr)	10 (17)	10 (17)	25 (42)	25 (42)	65 (110)	
Connection Type	Threaded	Flanged	Threaded	Flanged	Threaded	Th
Connection Size(s)	½ NPT, M22, SAE-12 male	3-hole flange	¾ NPT, SAE-12, M42	6-hole flange	¾ NPT	
Element Media	3µ paper	3µ paper	3µ paper	3µ paper	3µ paper	
Replacement Element	NO	NO	NO	NO	YES	
Cap Material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	
Strainer Material	N/A	Polyamide	N/A	Polyamide	N/A	#
Clogging Indicator	N/A	N/A	N/A	N/A	Optional*	
OPTIONS						
Relief Valve	Optional	Optional	Optional	Optional	N/A	
Anti-Splash	Optional	Optional	Optional	Optional	Optional	
Dipstick	Optional	Optional	Optional	Optional	N/A	
Custom Cap	Optional	Optional	Optional	Optional	Optional	

Features

- ♦ Long lasting, rugged, metal or glass fiber reinforced polyamide (PA6) housings are ideal for demanding mobile applications
- ♦ Unique anti-splash option prevents oil from spilling out of the breather, extending the life of the element by preventing saturation
- ♦ Visual element change-out indicator available on the PAB7 and the SAB70*
- ♦ Dipstick and integrated check valve for pressurized tanks
- ♦ Private labeling available

Recommendations

Increasing demands for fluid cleanliness levels are requiring more frequent use of high-quality media for the filtration of oils. Schroeder recommends selecting a breather with a filtration rating (micron rating) that is equivalent to or finer than your finest system filters.

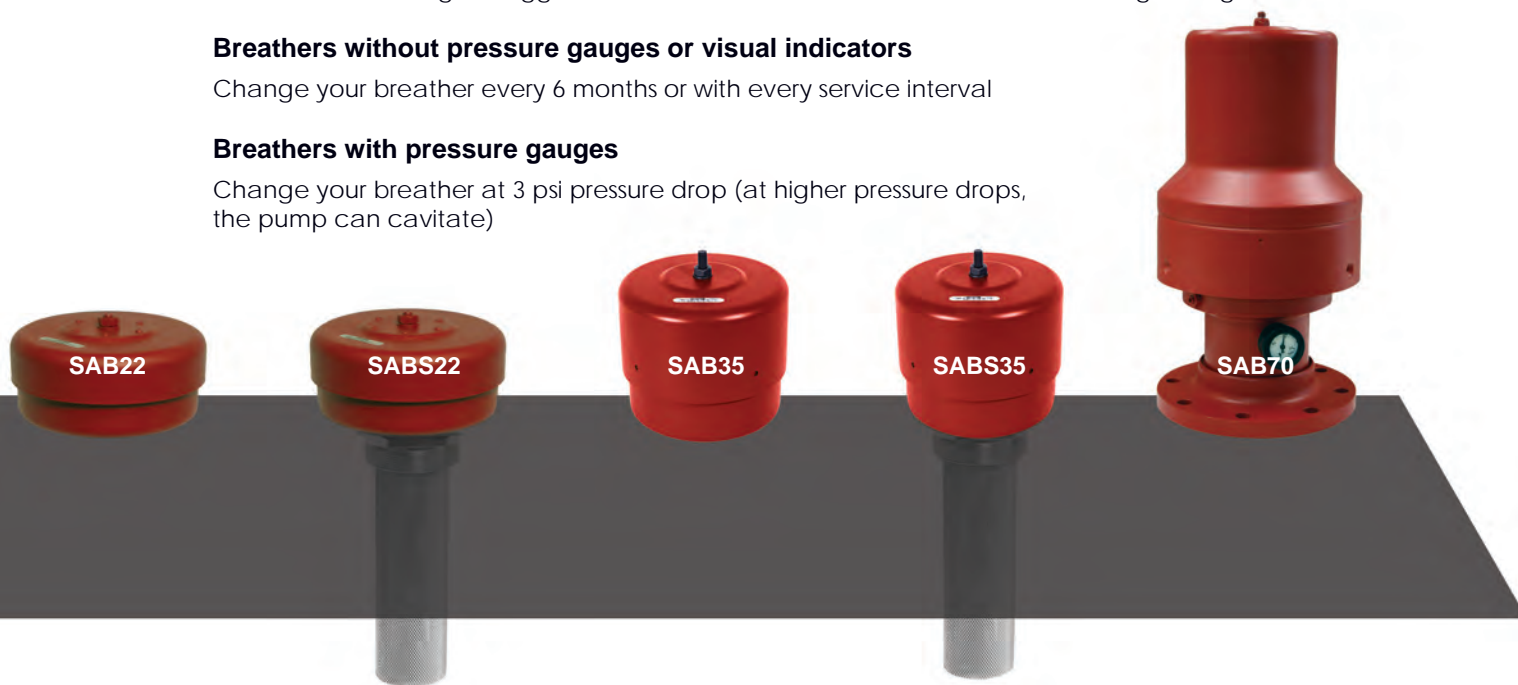
Since breathers do get clogged over time, Schroeder recommends the following change-out schedules:

Breathers without pressure gauges or visual indicators

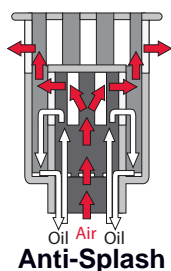
Change your breather every 6 months or with every service interval

Breathers with pressure gauges

Change your breather at 3 psi pressure drop (at higher pressure drops, the pump can cavitate)



	ABF	MBF	SAB22	SABS22	SAB35	SABS35	SAB70
	300 (1133)	1496 (5663)	1600 (6000)	1600 (6000)	2650 (10,000)	2650 (10,000)	5300 (20,000)
	40 (68)	200 (340)	215 (365)	215 (365)	350 (600)	350 (600)	700 (1200)
	Threaded / Flanged	Threaded	Threaded	Threaded	Threaded	Threaded	Flanged
	¾ NPT, 1.25" SAE	1.25" NPT	G2 ½ female	G2 ½, G3 male	G2 ½ female	G2 ½, G3 male	DN125, 8-hole flange
	3µ paper	3µ paper	3µ paper	3µ paper	3µ paper	3µ paper	2µ synthetic
	NO	NO	YES	YES	YES	YES	YES
	Steel	Steel	Steel	Steel	Steel	Steel	Steel
	#24 Wire Mesh	#24 Wire Mesh	N/A	Steel	N/A	Steel	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	Optional*
	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Optional	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Visual Element



Change-Out Indicators*



Dipstick



Custom Cap

Additional Breathers Available

Desiccant breathers prevent contamination particles and water vapor from entering the tank.

Schroeder Desiccant Breathers



To learn more, please visit: www.schroederindustries.com

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Applications

Schroeder has over 65 years of experience in applying hydraulic components in both mobile and industrial systems. The industries served include but are not limited to:

Mobile Hydraulics

- ◆ Construction Vehicles
- ◆ Agricultural Equipment
- ◆ Military
- ◆ Lift Equipment
- ◆ Ship Building
- ◆ Mining Technology

Industrial Hydraulics

- ◆ Pulp & Paper
- ◆ Steel Making
- ◆ Plastics
- ◆ Power Gen & Wind Energy
- ◆ Offshore
- ◆ Automotive
- ◆ Machine Tools



Air Breather Check (ABC)

The resettable Air Breather Check (ABC) takes the guesswork out of when to change your air breather. It provides a visual indication when a vacuum equivalent of 15 inches of water (3.75 kPa) is reached.



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