

# Silica gel air filter

**RE 51412/02.09**  
Replaces: 08.08

1/4

**Type BFSK**

Nominal size: 45/21 to 130



H7613

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## Application

- Filtration and dehumidification of the intake air of industrial systems
- Avoidance of initial damage in pumps and bearings

## Description

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### Water collection in tanks

Most liquid tanks must also allow for the exchange of air. They must be able to breathe. Depending on the machine cycles, air is sucked into the tank and pressed outwards again. This air contains small miniature particles and also water vapor. Due to different temperatures in the tank, the water vapor condenses. The resulting water promotes the oxidation process of the oil and is also responsible for possibly occurring damage at the gears and machines. Due to the catalytic influence of solid metallic parts, this process is further accelerated.

### Filtration and drying in one single process

Through the BRFS silica gel air filter, gear and tank are able to breath clean and dry air. The sucked in air is firstly dried by means of Z-R granulate.

Afterwards, the air streams through the pleated filter element where the solid dirt particles are collected.

In this way, only dried and filtered air reaches gear and tanks. The air coming out of the system can enter the atmosphere in the opposite direction.

### Monitoring

The Z-R granulate's absorption capacity regarding humidity becomes visible by a change in color from dark red to orange. An optional clogging indicator shows how much filter capacity has already been used and how much is still available.

## Technical data

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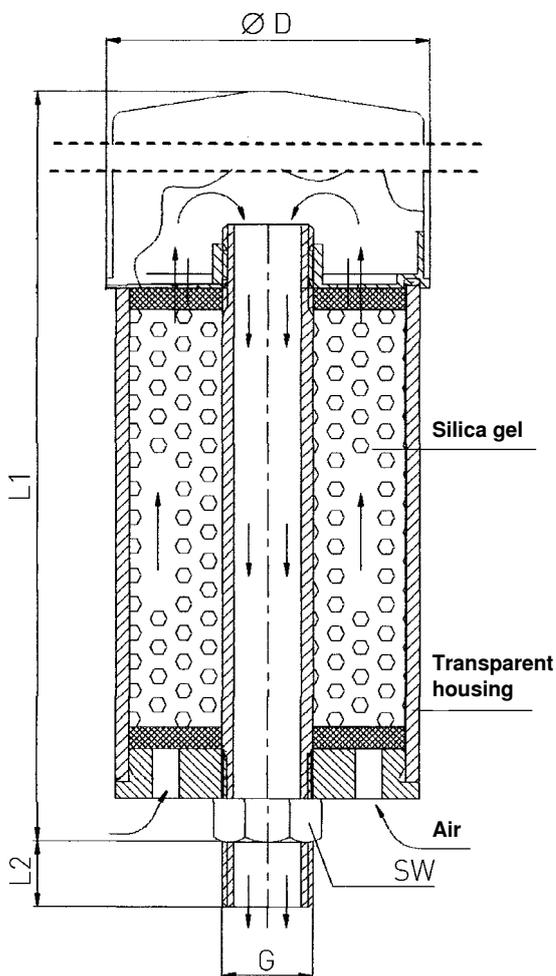
Type	BFSK 45/21	BFSK 60/21	BFSK 90	BFSK 130
$q_{\max}$	42 m <sup>3</sup> /h	42 m <sup>3</sup> /h	90 m <sup>3</sup> /h	90 m <sup>3</sup> /h
Air filter	10 μm	10 μm	10 μm	10 μm
Weight	1.2 kg	1.5 kg	2.7 kg	4 kg
Silica gel	300 cm <sup>3</sup>	600 cm <sup>3</sup>	1,000 cm <sup>3</sup>	2,000 cm <sup>3</sup>
Water absorption	86 ml	172 ml	288 ml	576 ml



## Preferred types

Silica gel air filter	Material number	Filter element	Refill pack
BFSK 45/21 H10XL S0000000M0	R928018776	R928016611	R928910477
BFSK 45/21 P10 S0000000M0	R928018777	R928016609	
BFSK 60/21 H10XL S0000000M0	R928018778	R928018950	R928910478
BFSK 60/21 P10 S0000000M0	R928018779	R928018951	
BFSK 90 H10XL S0000000M0	R928018780	R928016614	R928910479
BFSK 90 P10 S0000000M0	R928018781	R928016612	
BFSK 130 H10XL S0000000M0	R928018782	R928016617	R928910480
BFSK 130 P10 S0000000M0	R928018783	R928016615	

## Unit dimensions (dimensions in mm)



Type	BFSK 45/21	BFSK 60/21	BFSK 90	BFSK 130
<b>D</b>	92	92	128	128
<b>L1</b>	246	370	368	516
<b>L2</b>	20	20	30	30
<b>G</b>	G 3/4	G 3/4	G 1 1/4	G 1 1/4
<b>SW</b>	32	32	50	50

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