Type BFSK

Rexroth Bosch Group

1/4

RE 51412/02.09 Replaces: 08.08



Nominal size: 45/21 to 130

Silica gel air filter

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Application

Filtration and dehumidification of the intake air of industrial systems

H7613

- Avoidance of initial damage in pumps and bearings

Description

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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Туре	BFSK 45/21	BFSK 60/21	BFSK 90	BFSK 130		
q _{max}	42 m ^{3/} h	42 m ³ /h	90 m³/h	90 m³/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 ³	600 cm ³	1,000 cm ³	2,000 cm ³		
Water absorption	86 ml	172 ml	288 ml	576 ml		

Ordering details

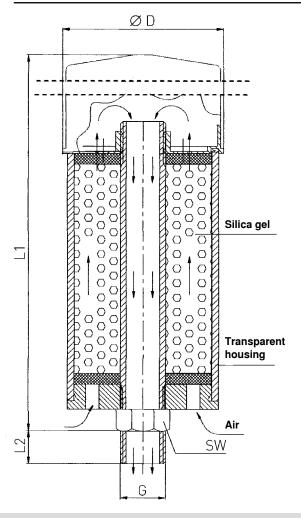
of the filter		<u>г</u>								<u> </u>			
	BFSK		- <u>-</u>	S (00 <u>-</u> (0 <u>-</u>	0	0	00	Μ		0	
Design Air filter with silica gel												0 =	
, , , ,	FSK										M =		Seal NBR seal
Nom. size	= 45/2									L	IVI =		
	= 45/2 = 60/2								0	0 =			Connection Threaded connection
	= 9	-								-			Clogging indicator
	= 13	0						0 =	=				without
Filtration rating in μm nominal													Exchange the air filter at least every 6 months
Paper, non-cleanable P10		= P10					0 =						Bypass valve without
absolute (ISO 16889) Micro glass, non-cleanable H10XL	=	H10XL											
Pressure differential max. admissible pressure loss standard 500 mbar			= S										
Element model Standard adhesive T = 100 °C Standard material				: 0 :0									
Solenoid without					= 0		Orde BFSI	-		-		00-0	-0000M0

of the filter element	ſ	80.	$\frac{1}{1}$	S	00+	0 <u>-</u> I	N	
Filter element Design	= 80.						м.	Seal NBR seal
Nom. size	=	: 45/21				0 =		Bypass valve With filter element always 0
	=	= 60/21 = 90 = 130			0 = 0 =			Element model Standard adhesive T = 100 °C Standard material
Filtration rating in µm nominal			10					
Paper, non-cleanable: P10 absolute (ISO 16889) Micro glass, non-cleanable: H10XL		= P = H10						
Pressure differential Max. admissible pressure differential of 500 mbar, standard	the filter e	element	 = S		Orde: 80.45	-		ple: S00-0-M

Preferred types

Silica gel air filter	Material number	Filter element	Refill pack		
BFSK 45/21 H10XL S000000M0	R928018776	R928016611	D000010477		
BFSK 45/21 P10 S000000M0	R928018777	R928016609	R928910477		
BFSK 60/21 H10XL S000000M0	R928018778	R928018950			
BFSK 60/21 P10 S000000M0	R928018779	R928018951	R928910478		
BFSK 90 H10XL S000000M0	R928018780 R928016614		D000010470		
BFSK 90 P10 S000000M0	R928018781	R928016612	- R928910479		
BFSK 130 H10XL S000000M0	R928018782	R928016617	D000010400		
BFSK 130 P10 S000000M0	R928018783	R928016615	- R928910480		

Unit dimensions (dimensions in mm)



Туре	BFSK 45/21	BFSK 60/21	BFSK 90	BFSK 130
D	92	92	128	128
L1	246	370	368	516
L2	20	20	30	30
G	G 3/ ₄	G 3/ ₄	G 11/ ₄	G 11/ ₄
SW	32	32	50	50

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