



Breather filter

**Types BF 7 SL...; BS 7 SL...;
BE 7 SL...; B 7 SL**



Nominal size: BF 7 SL 45/21, 90, 130;
BS 7 SL 45/21, 90, 130;
BE 7 SL 45/21;
B 7 SL 45/21

Connections up to DN 32
Operating temperature -20 °C to +100 °C

Application

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

Design

BF 7 SL..., BS 7 SL...:

Breather filter with screw-off exchange filter cartridge and internal pleated filter element of filter paper P or micro glass H10XL.

Design with flange connection (BF 7 SL...) and/or welding socket (BS 7 SL...).

B 7 SL..., BE 7 SL...:

Breather filter with screw-off exchange filter cartridge and internal pleated filter element of filter paper P or micro glass H10XL.

Connection possibility for a clogging indicator (B 7 SL) and/or attachment of a filling filter (screen basket 500 µm). Materials as per spare parts list.

Maintenance intervals

Fields of application of the filter	Environmental conditions average dust content	Maintenance interval
General mechanical engineering	9...25 mg/m ³	4,000 h
Heavy industry	50...80 mg/m ³	3,000 h
Mobile hydraulics	30...100 mg/m ³	3,000 h

Spare parts list

Size				BF 7 SL 45/21	BF 7 SL 90 and 130, BS 7 SL 45/21, BS 7 SL 90 and 130, B 7 SL 45/21	BE 7 SL 45/21
Part	Piece	Description	Material			
1	1	Filter cartridge	various	Please indicate ordering information "Filter Cartridge"		
2	1	Seal ring	Fiber	Please indicate ordering information "Filter"		
3	1	Seal	Klingsil C4400	–	Please indicate the ordering information "Filter"	–
	2				–	Please indicate the ordering information "Filter"
	1		NBR	Please indicate the ordering information "Filter"	–	–
4	1	Filling screen	Steel	–		
5	1	Seal	Cu			
6	1	Countersunk screw	4.8			

All part numbers BRFS specific.

Design

Nom. size

Filtration rating in μm

absolute (ISO 16889)

Pressure differential

Element model

Standard adhesive T = 100 °C = 0...
Standard material = ...0

0 = without

Material

Standard

Seal

NBR seal

Connection

Standard

Connection in B 7 SL
welding socket

Clogging indicator

without

Bypass valve

without

Solenoid

without

Ordering example:

BF 7 SL 90 P10-S00-000-00M00

Filter cartridge

Nom. size

Filtration rating in μm

absolute (ISO 16889)

M = Seal
NBR seal

Bypass valve

without

Element model

Standard adhesive $T = 100\text{ }^{\circ}\text{C}$

Standard material

Pressure differential

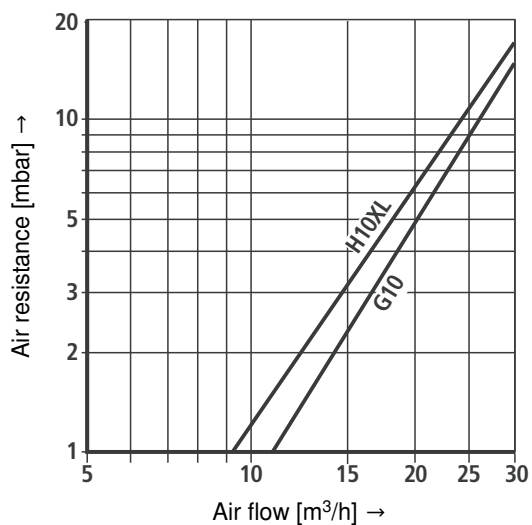
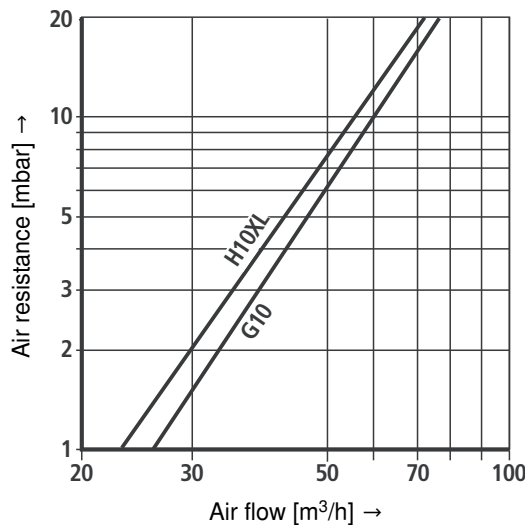
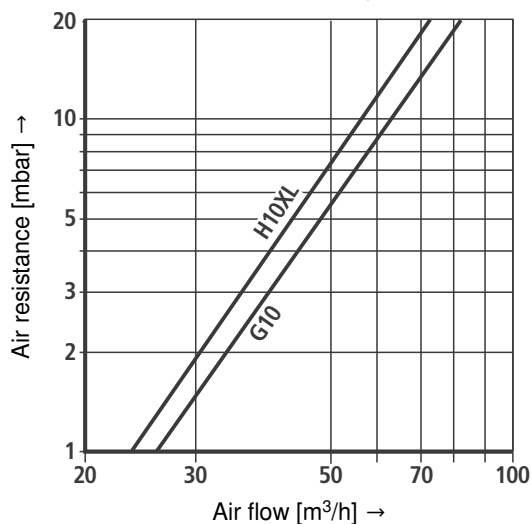
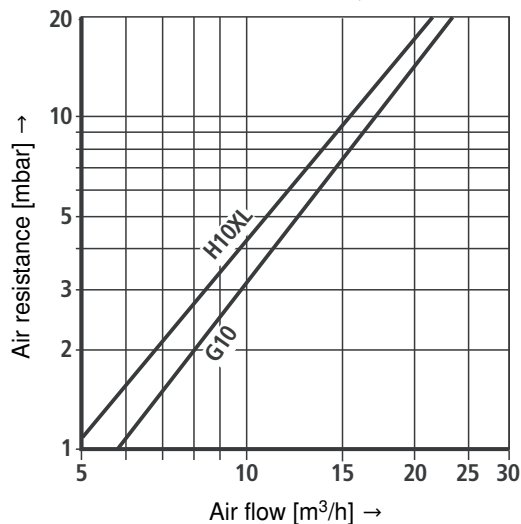
Max. admissible pressure differential of the filter element

Standard

Ordering example:

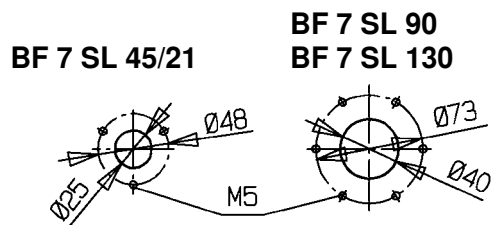
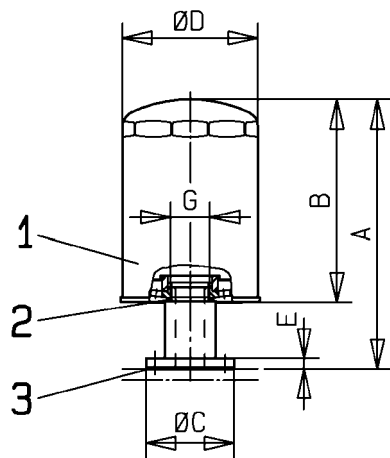
80. 90 P10-S00-0-M

Characteristic curves (measured at test temperature = 20 °C)

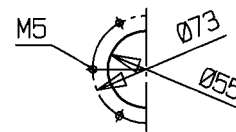
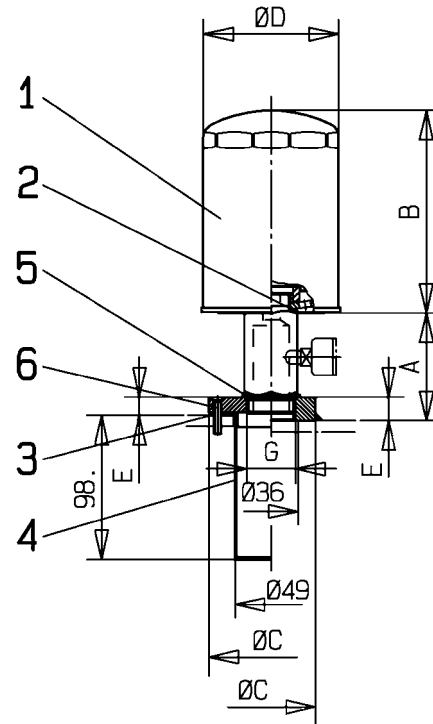
BF, BS 7 SL 45/21

BF, BS 7 SL 90

BF, BS 7 SL 130

BF, B 7 SL 45/21


Unit dimensions (dimensions in mm)

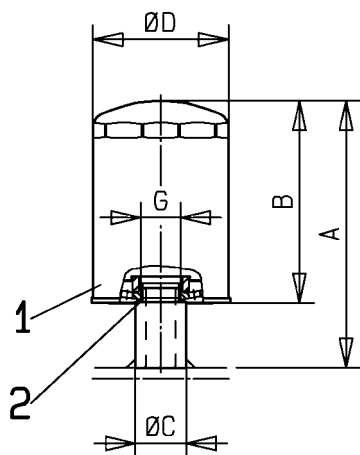
BF 7 SL 45/21
 BF 7 SL 90
 BF 7 SL 130



BE 7 SL 45/21
 B 7 SL 45/21



BS 7 SL 45/21
 BS 7 SL 90
 BS 7 SL 130



Size	Weight in kg	A	B	Ø C	Ø D	E	G
BF 7 SL 45/21	0.8	189	146	60	92	7	G 3/4
BF 7 SL 90	1.4	231	183	85	128	9.5	G 1 1/4
BF 7 SL 130	1.5	279	231				
BS 7 SL 45/21	0.7	189	146	35	92	-	G 3/4
BS 7 SL 90	1.3	231	183	50	128		G 1 1/4
BS 7 SL 130	1.4	279	231				
BE 7 SL 45/21	1.3	67	146	85	92	11.5	G 1
B 7 SL 45/21	1.2	73		60		16	