HARLEX

Breather filter

Types FEF 0, FEF 1;
BFS 7..., BFS 20...

Nominal size: 0 and 1; 7 and 20
Connections up to DN 55
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

FEF 0, FEF 1:
Combination of flange-on filling filter (screen basket 500 µm) and cap removable via bayonet lock as breather with internal filter element 40 µm. The filter element must be exchanged together with the cap. The breather cap is secured against loss by means of a chain.
Materials as per spare parts list.

BFS 7..., BFS 20...:
Compact housing for ventilation with pleated filter element of paper.
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

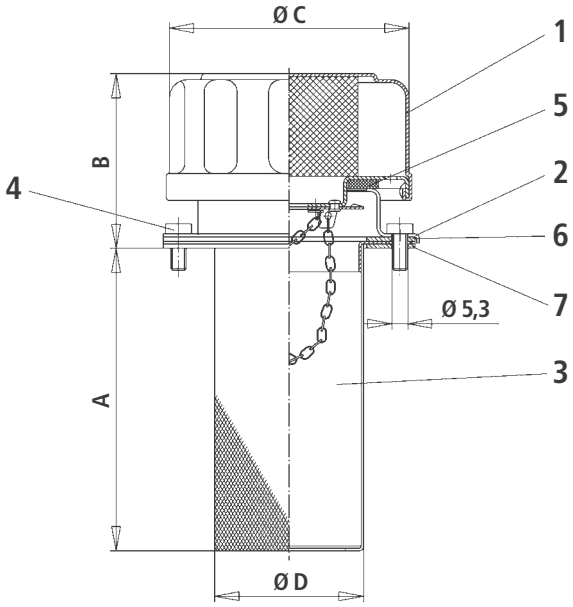
Spare parts list

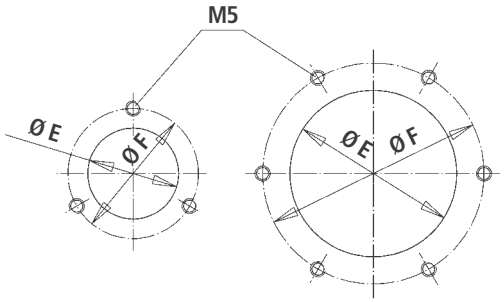
Size				FEF 1	FEF 0
Part	**Piece**	**Description**	**Material**		
1	1	Cover	various	Indicate the ordering information "Filter"	—
2	1	Flange	Steel		
3	1	Filling screen	Steel		
4	6	Socket head cap screw	5		
5	1	Seal	NBR	Indicate the ordering information "Filter"	
6	1	Seal	Fiber		
7	1	Seal	Fiber		

All part nos. BRFS.specific.

Size				BFS 7	BFS 20
Part	**Piece**	**Description**	**Material**		
10	1	Seal	Fiber	Indicate the ordering information "Filter"	

Unit dimensions FEF 0 and FEF 1 (dimensions in mm)





Hole pattern FEF 0 Hole pattern FEF 1

lockable upon request

	FEF 0	FEF 1
A	64	98
B	38	58
Ø C	48	81
Ø D	27	49
Ø E	30	55
Ø F	41	73

Ordering details FEF 0 and FEF 1

FEF		– F	0	0

Design
Filling and breather filter **= FEF**

Nom. size
= 0
= 1

Filtration rating in µm
nominal
Paper, non-cleanable
P10, P25 **= P…**
absolute (ISO 16889)
Micro glass, non-cleanable
H10XL **= H10XL**

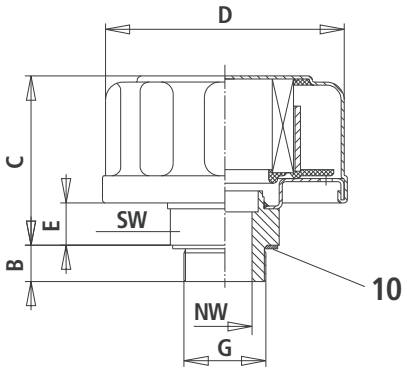
F = **Seal**
Fiber (series)

0 = **Material**
Standard

0 = **Complementary details**
without

Ordering example:
FEF 0 P10-F00

Unit dimensions BFS 7… and BFS 20… (dimensions in mm)



	BFS 7	BFS 20
Weight in kg	0.03	0.3
B	11	12
C	41	56
D	Ø 46	Ø 81
E	6	14
G	G1/4	G3/4
SW	17	32
NW	Ø 7	Ø 18

Ordering details BFS 7… and BFS 20…

BFS		–	F	0	0

Design
Breather filter with filter element **= BFS**

Nom. size
= 7
= 20

Filtration rating in µm
nominal
Paper, non-cleanable
P5, P10, P25 **= P…**
absolute (ISO 16889)
Micro glass, non-cleanable
H10XL **= H10XL**

F = **Seal**
Fiber (series)

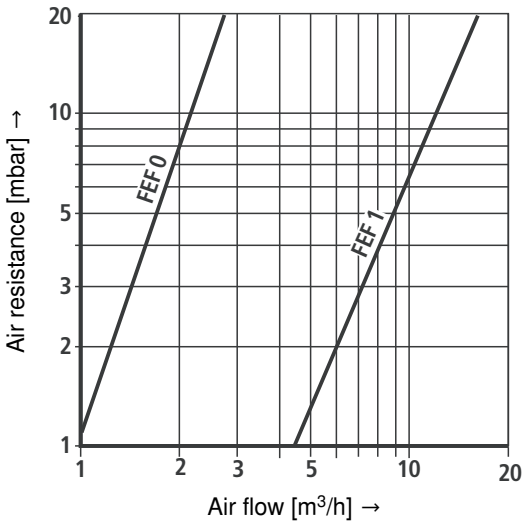
0 = **Material**
Standard

0 = **Complementary details**
without

Ordering example:
BFS 7 P10-F00

Characteristic curves (measured at test temperature = 20 °C, filter material P10)

FEF 0, FEF 1



BFS7, BFS20