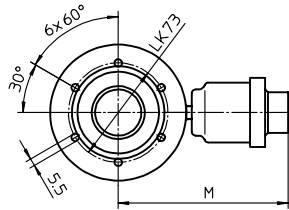
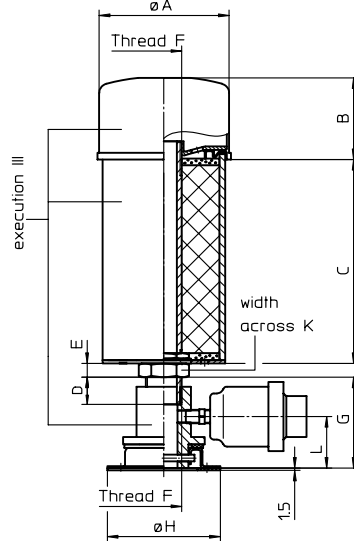
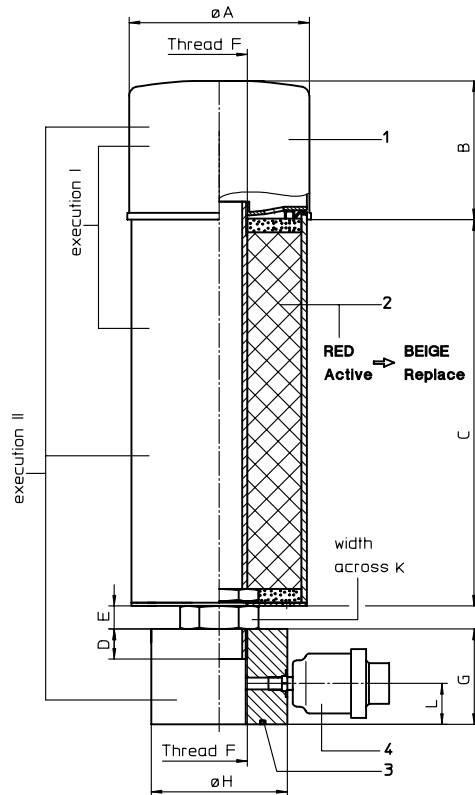
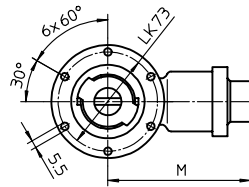


BREATHER FILTER
Series BFD 95-130

BFD 95, 100, 125, 130 execution II



BFD 95, 100 execution III



2. Dimensions:

| Type | execution | A | B | C | D | E | F | G | H | K | L | M | weight (g) |
|---------|-----------|-----|-----|-----|----|----|---------|----|-----|----|----|-----|------------|
| BFD 95 | I | 95 | 60 | 90 | 20 | 10 | G 3/4 | - | - | 32 | - | - | 1150 |
| BFD 100 | I | | | 150 | | | | | | | | | 1400 |
| BFD 125 | I | 125 | 102 | 145 | 30 | 10 | G 1 1/4 | - | - | 50 | - | - | 3400 |
| BFD 130 | I | | | 255 | | | | | | | | | 4300 |
| BFD 95 | II | 95 | 60 | 90 | 20 | 10 | G 3/4 | 50 | 88 | 32 | 30 | 119 | 1350 |
| BFD 100 | II | | | 150 | | | | | | | | | 1600 |
| BFD 125 | II | 125 | 102 | 145 | 30 | 10 | G 1 1/4 | 70 | 100 | 50 | 30 | 125 | 4600 |
| BFD 130 | II | | | 255 | | | | | | | | | 5500 |
| BFD 95 | III | 95 | 60 | 90 | 20 | 10 | G 3/4 | 67 | 83 | 32 | 38 | 105 | 1450 |
| BFD 100 | III | | | 150 | | | | | | | | | 1700 |

EDV 10/06

1. Type index:

1.1. Complete filter: (ordering example)

BFD. 95. 3VL. P. G. 4. II. FMI

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

- 1 **series:**
BFD = Silicagel Desiccant breather
- 2 **nominal size:** 95, 100, 125, 130
- 3 **filter-material and filter-fineness:**
3VL = filtration efficiency D 100 = 3
- 4 **sealing material:**
P = Nitrile (NBR)
- 5 **connection:**
G = threaded connection (BSPP)
- 6 **connection size:**
4 = G 3/4 (size 95, 100)
6 = G 1 1/4 (size 125, 130)
- 7 **execution:**
I = without adapter
II = with adapter AP1 (only for size 95, 100) or
with adapter AP2 (only for size 125, 130)
III = with adapter AP3 to retrofit EBF.50 (only for size 95, 100)
- 8 **clogging indicator:**
- = without
FMI = filter minder (only for execution II and III)

1.2. Filter element: (ordering example)

01WP. 95/100. 3VL. P

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
|---|---|---|---|

- 1 **series:**
01WP = spin-on cartridge
- 2 **nominal size:** WP 95/100 (for BFD 95, 100)
WP 125/130 (for BFD 125, 130)
- 3 - 4 see Type index-complete filter

1.3. Replacement Gel: (ordering example)

RG. 95

| | |
|---|---|
| 1 | 2 |
|---|---|

- 1 **series:**
RG = Replacement Gel
- 2 **nominal size:** 95, 100, 125, 130

Changes of measures and design are subject to alteration!

2. Spare parts:

| item | designation | qty. | dimension | article-no. |
|------|--------------------|------|--------------|--------------|
| 1 | spin-on cartridge | 1 | 01WP.... | |
| 2 | replacement gel | 1 | RG.... | |
| 3 | O-ring | 1 | 47,22 x 3,53 | 305078 (NBR) |
| 4 | clogging indicator | 1 | FMI | |

3. Description:

3.1 Condensation in reservoirs:

When the reservoir breathers, air containing water vapor is ingested into the system. Temperature fluctuations will cause the water vapor to condense. This condensed water will speed up the oxidation of the oil and lead to damage in the machine. The Catalytic action of metal particles present in the contamination process speeds up Both these processes. The air conditioner first dries the air as it passes through the Silica gel granules and the dry air passes through a 3 micron rated synthetic Media element to remove any solid contamination particles.

The expelled air reaches the atmosphere via the same route but in the opposite direction.

Air Driver - As moisture is absorbed, the silica gel granules will gradually change color from a deep red to beige. When the granules are beige, replace the silica gel.

3.2 Mounting:

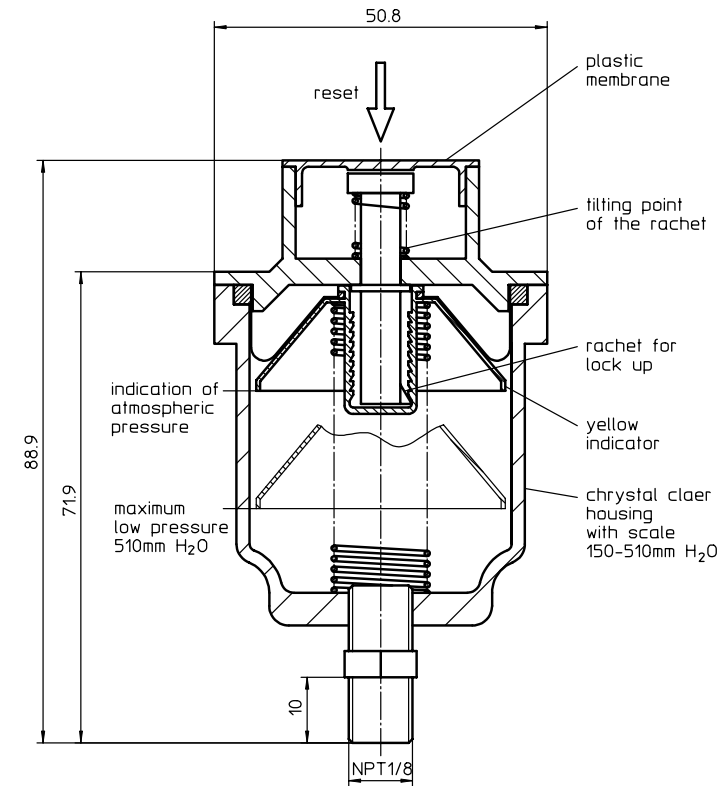
Direct mount onto the reservoir or use an adaptor plate which fits the standard 6-bolt pattern for filler breathers. Remove protective covering from silica gel inlet holes before installation.

4. Technical data:

| Type | max. Volume flow (m ³ /min) | max. hygroscapacity (g) | Silica gel filling weight (g) |
|---------|--|-------------------------|-------------------------------|
| BFD 95 | 0,5 | 86,5 | 225 |
| BFD 100 | 0,5 | 173 | 450 |
| BFD 125 | 1,25 | 288 | 750 |
| BFD 130 | 1,25 | 576 | 1500 |

5. Filter minder: (ordering example)

FMI = filter minder



5.1 Description:

Air Filter -The adaptor plate has a connection for the „filter minder“. This gives a static indication of the air breather. The unit can be reset when the element is Changed.