



FBD SERIES

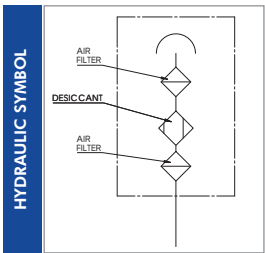
Desiccant Breathers

FBD desiccant breathers are an alternative to standard breathers and dust caps. They are the perfect way to protect your equipment from dirt, dust, and moisture. Our breathers combine the filtration of solid particles and the absorption of humidity in a single unit, providing complete protection for your equipment. The layered filter media prevents solid contamination from entering the equipment reservoir, while the desiccant agent, composed of silica gel beads, absorbs and retains moisture from the air. The equipment is kept dry by the same desiccant agent, regardless of whether it is in operation or shut down, ensuring maximum efficiency and durability. Our breathers are designed to be easy to install directly on the reservoir. FBD desiccant breathers extend the life of the equipment, resulting in lower operating costs.

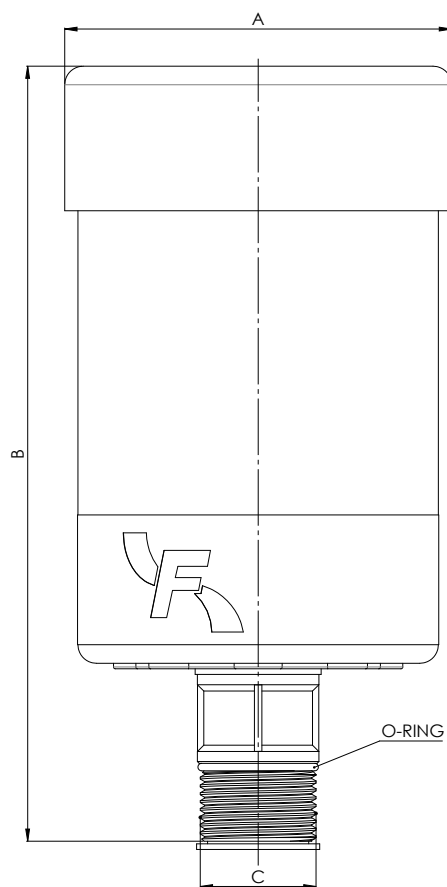


TECHNICAL SPECIFICATION

|                      |                                                                                     |               |
|----------------------|-------------------------------------------------------------------------------------|---------------|
| MATERIALS:           | Cover:                                                                              | Polycarbonate |
|                      | Shell:                                                                              | Polycarbonate |
|                      | Center Tube:                                                                        | Nylon         |
|                      | Humidity Absorbent:                                                                 | Silica gel    |
|                      | Oil Mist Collector:                                                                 | Polyurethane  |
|                      | Filter media:                                                                       | Polyester     |
| FILTER EFFICIENCY:   | Air filtration 3µm absolute                                                         |               |
|                      |                                                                                     |               |
| TEMPERATURE RANGE:   | -30°C to +90°C                                                                      |               |
|                      |                                                                                     |               |
| CONNECTION THREAT:   | G 3/8"                                                                              |               |
|                      | G 1"                                                                                |               |
|                      | (Multi-fits NPT, BSP or BSPP threads)                                               |               |
| FLUID COMPATIBILITY: | Full with HH-HL-HM-HV                                                               |               |
|                      | HETG-HEES (acc. to ISO 6743/4).                                                     |               |
|                      | For use with other fluid please contact Filtrec Customer Service (info@filtrec.it). |               |



## OVERALL DIMENSIONS



## NOMINAL SIZE

| MODEL  | A    | B   | C*     |
|--------|------|-----|--------|
| FBD 11 | Ø64  | 147 | G 3/8" |
| FBD 20 |      | 155 |        |
| FBD 21 | Ø104 | 210 | G 1"   |
| FBD 22 |      | 264 |        |

\*Multi-fit BSPP, BSP, NPT threads

## ORDERING INFORMATION

|            |           |            |           |          |          |
|------------|-----------|------------|-----------|----------|----------|
| 1.         | 2.        | 3.         | 4.        | 5.       | 6.       |
| <b>FBD</b> | <b>20</b> | <b>P03</b> | <b>B5</b> | <b>S</b> | <b>0</b> |

|                             |                                                   |
|-----------------------------|---------------------------------------------------|
| 1. SERIES                   | FBD                                               |
| 2. SIZE                     | 11<br>20-21-22                                    |
| 3. FILTER MEDIA             | P03 synthetic media (air filtration 3µm absolute) |
| 4. CONNECTION               | B2 G 3/8" (only for size 11)                      |
| fits BSPP, BSP, NPT threads | B5 G 1" (only for size 20-21-22)                  |
| 5. CONFIGURATION            | S standard                                        |
| 6. OPTION                   | 0 no option                                       |

## ACCESSORIES

The accessories must be ordered separately

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06.021.00519 Flange adapter kit

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06.021.00520 Flange adapter + metal basket kit

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**FLANGE ADAPTER KIT**



**METAL BASKET +  
FLANGE ADAPTER KIT**



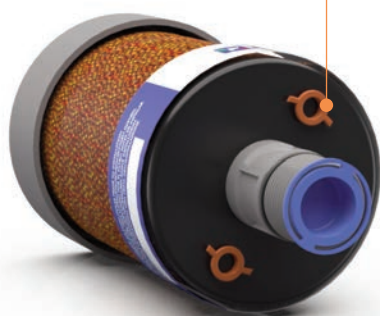
## IMPORTANT INFORMATION FOR INSTALLATION

Desiccant breathers are shipped with all holes plugged to protect them from atmospheric agents during storage and shipping. Remove the protective caps as indicated in the table below:

| CODE  | Max Air flow* [l/min] |
|-------|-----------------------|
| FBD11 | 150                   |

\* at 69 mbar/1PSID

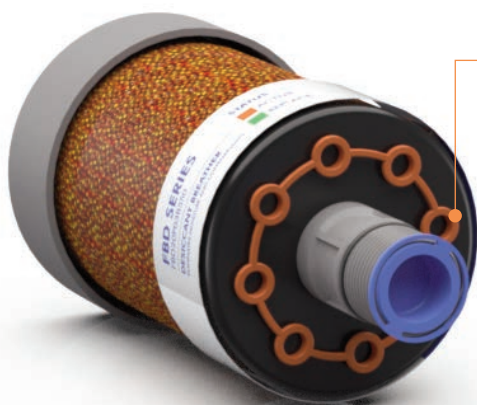
**Remove rubber plugs prior to use**



| CODE  | Max Air flow* [l/min] |                   |                   |                   |
|-------|-----------------------|-------------------|-------------------|-------------------|
|       | with 8 holes open     | with 6 holes open | with 4 holes open | with 2 holes open |
| FBD20 |                       |                   |                   |                   |
| FBD21 | 500                   | 375               | 250               | 125               |
| FBD22 |                       |                   |                   |                   |

\* at 69 mbar/1PSID

**Remove rubber plugs prior to use**



## MAINTENANCE AND DISPOSAL

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**ACTIVE**



**REPLACE**

Green breathers are a sign that your unit has done its job. When the color changes from orange to green, it's time to replace it with a new one. All desiccant breathers should be replaced at least once a year.

**Dispose of according to local regulations.**

