



Breather Filter-Threaded Metal Assemblies

Breather Filter

Model BF

These units act as ventilators to provide a free flow of clean, fresh air into hydraulic fluid, fuel, oil, chemical and coolant tanks or reservoirs. They compensate for changes in fluid level, temperature and altitude . . . provide positive protection for airborne contamination for tanks, pumps, valves, cylinders and other components. Large oil resistant filter elements filter dirt and dust particles as small as 10 Microns (40 micron standard). Cover removes for easy cleaning. Zinc plated.

10 MICRON OPTION: EXAMPLE BF-6-10M

Dimensional Detail

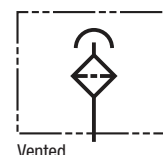
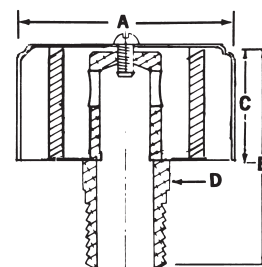
| MODEL | MICRON | PIPE SIZE | AIR FLOW | | A | B | C | D |
|-------|--------|----------------|----------|----|------|------|------|------|
| BF-4 | 10, 40 | 1/4" | 4 | IN | 1.4" | 1.9" | 1" | 0.7" |
| | | | | MM | 35" | 47 | 25 | 18 |
| BF-6 | 10, 40 | 3/8", 9/16"-18 | 4 | IN | 1.4" | 1.9" | 1" | 0.7" |
| | | | | MM | 35 | 47 | 25 | 18 |
| BF-8 | 10, 40 | 1/2" | 35 | IN | 2.6" | 2.9" | 1.4" | 0.9" |
| | | | | MM | 67 | 74 | 36 | 24 |
| BF-12 | 10, 40 | 3/4" | 40 | IN | 2.6" | 3" | 1.4" | 1.1" |
| | | | | MM | 67 | 76 | 36 | 27 |
| BF-16 | 10, 40 | 1" | 40 | IN | 3" | 3.3" | 1.7" | 1.4" |
| | | | | MM | 76 | 83 | 43 | 36 |

BF-8 & BF-12

BF-16

BF-4 & BF-6

DIMENSIONS



Vented

Ordering Code

* — BF — 6 — *

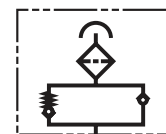
| OMIT | SERIES | SIZE | OPTIONS |
|--------------------|------------------|------|--------------------------------|
| BPC BF4, 6, 12, 16 | BF 1/2", 3/4, 1" | 4 | DIP 3/4", 1" |
| ISO BF-16 | BFA - SAE #6 | 6 | 10M 1/4", 3/8", 1/2", 3/4", 1" |
| | | 8 | |
| | | 12 | |
| | | 16 | |

Pressurized Breather Filter

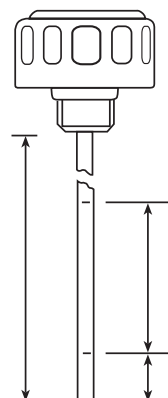
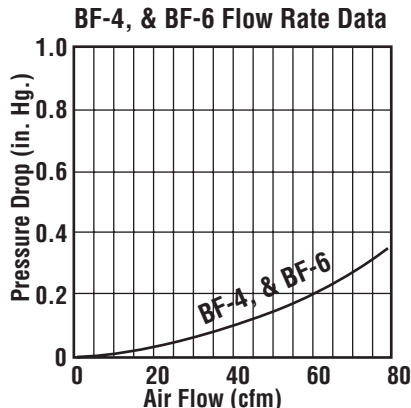
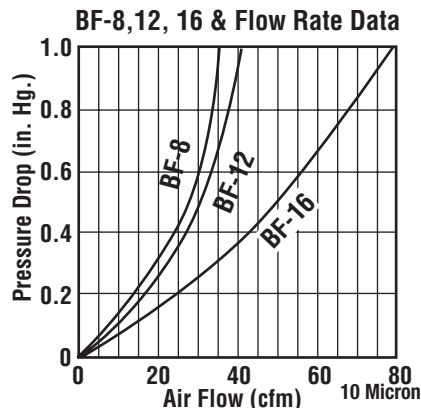
BF-1216-P5

This device is similar to a conventional breather, but it incorporates a relief valve set at 5 PSI and a vacuum breaker. When the fluid level first falls, air enters the reservoir through the vacuum breaker and filter. When the level rises, air is compressed rather than being expelled. Thereafter, changing fluid levels are accommodated by the changing size of the air bubble in the reservoir, instead of by breathing to atmosphere.

Pressurized breathers can reduce breathing by as much as 90% to 95%, increasing the life of the breather filter by a factor of 10. They are recommended for systems that are expected to operate in extremely dusty environments and mobile applications.



Pressurized Relief Valve
Double Valve



Please supply drawing specifying lengths shown. Dipstick may be marked "FULL" and "ADD". Optional wording available.

