

# Breather Filter

Desiccant breathers designed to protect your equipment from moisture and particulate intrusion, extending service life and lowering lifetime operating costs.



# Breather Filter

The Breather Filter is a marked improvement over dust caps and OEM breathers. When contaminated air enters the top of the breather, it passes through layered filter media that captures solid particles and prevents undue wear to your equipment surfaces.

Filtered air then passes through a bed of silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the equipment reservoir during service or shut-down, keeping the equipment dry.

## ① Center Tube

The center tube is constructed from rugged nylon material providing rigidity to the element and allowing for even airflow through the silica gel.

## ② Secondary Filter Media

Second filter step prevents any possible migration of silica dust providing added system protection.

## ③ Secondary Oil Mist Collector

Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture absorbing silica gel.

## ④ Moisture Absorbent

Breather Filter's silica gel provides industry leading moisture removal and holds up to 40% of its weight.

## ⑤ ABS Outer Shell

Clear outer shell provides a visual indicator of silica gel condition allowing for optimum change out intervals.

## ⑥ Filter Media

1-micron absolute particulate filtration is provided by DuoGlass filter media.

## ⑦ Oil Mist Collector

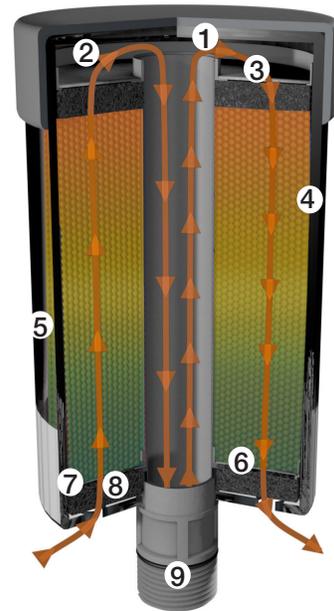
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## ⑧ Air intakes

Air intakes are opened based on flow requirements and provide moisture protection for breather while being shipped/stored.

## ⑨ Sure-fit Connection

Use sure-fit connections instead of filler/breather cap. Adapters also available.



## Dimensions

Model	Connection	Height	Width
NF-PB-0028	3/8" Sure-Fit (NPT, BSPP, BSPT)	4.14" (10.52 cm)	2.54" (6.45 cm)
NF-PB-0060	3/8" Sure-Fit (NPT, BSPP, BSPT)	5.59" (14.2 cm)	2.54" (6.45 cm)
NF-PB-0142	1" Sure-Fit (NPT, BSPP, NPSM)	6.11" (15.52 cm)	4.10" (10.41 cm)
NF-PB-0264	1" Sure-Fit (NPT, BSPP, NPSM)	8.28" (21.03 cm)	4.10" (10.41 cm)
NF-PB-0424	1" Sure-Fit (NPT, BSPP, NPSM)	10.38" (26.37 cm)	4.10" (10.41 cm)

## Sizing Suggestions

Model	Max Moisture Retention
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NF-PB-0028	28 ml / 1.0 fl oz
NF-PB-0060	60 ml / 2.0 fl oz
NF-PB-0142	142 ml / 4.8 fl oz
NF-PB-0264	264 ml / 8.9 fl oz
NF-PB-0424	424 ml / 14.3 fl oz

Model	Max Airflow at 1psid
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NF-PB-0028	7 cfm / 198 lpm
NF-PB-0060	7 cfm / 198 lpm
NF-PB-0142	18 cfm / 510 lpm
NF-PB-0264	18 cfm / 510 lpm
NF-PB-0424	18 cfm / 510 lpm

## Materials

### Body:

ABS, Nylon, Polypropylene, Buna

### Moisture Absorbing Media:

Nordic Breather Silica Gel

### Filter Media:

DuoGlass Media

### Filter Efficiency:

1 Micron Absolute

### Operating temperatures:

-20 F to 200 F

-29 C to 93 C

## Performance

The Breather Filter offers significant performance improvements over other leading desiccant breathers.

### Value add features:

Multiple head-to-head tests with leading competitors demonstrate that the Nordic Breather Silica Gel averages nearly 20% more moisture holding capacity than other leading brands.

The increased body length of the Nordic Breather allows for 10% more volume of our silica gel when compared to leading competitors.