

For clean, dry air

# AquaGuard® Hybrid Breathers

For low-flow applications

# **Specifications**

- Internal check valve system creates a nearly sealed system
- Integrated nylon standpipe and clear polycarbonate casing allow for greater chemical compatibility and vibration resistance
- Filter element captures particles at 3 micron absolute (β<sub>3</sub>≥200)

## Ideal for ...

 Gearboxes and other low-flow applications



# **Benefits**

- Eliminates rust-forming condensation
- Prevents sludge deposits and water-contaminated oil
- Provides longer oil and filter life
- Reduces wear and tear on equipment, prolongs life

From the core standpipe to the tough polycarbonate exterior, every element of Beach's Aquaguard® hybrid breather has been designed to stand up to a wide variety of industries and applications.

The breather is outfitted with check valves to ensure no excess pressure/vacuum builds. A clear, rugged polycarbonate casing allows for viewing desiccant as it changes color, indicating that the breather should be replaced.

Beach breathers attack the source of contamination, allowing your equipment and lubricants to run longer and harder.

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## How it works:

As wet, contaminated air is drawn through the unit, multiple 3-micron polyester filter elements remove solid particulate and the color-indicating silica gel extracts moisture.

When air is expelled from the container, the top foam pad prevents oil mist from contacting silica gel or entering the atmosphere.

The breather is outfitted with a resilient nylon standpipe and a clear polycarbonate body which allows for easy monitoring of the high-contrast silica gel.

Reduces oil mist that contacts silica gel during exhalation and ensures outgoing air is evenly disbursed through the filters and desiccant.

### Water Vapor Adsorbent

Silica gel absorbs water from incoming air. Indicates condition by change of color from blue to pink.

#### Filter Element

Patented polyester filter element removes airborne contamination to 3-micron absolute. Unique loops allow particles to release during system exhalation, helping to increase breather life.

Interior Check Valves Provides system isolation when / inactive, protecting system integrity.

Filter Element Polyester filter element protects against any migration of desiccant providing maximum efficiency.

# Resilient Polycarbonate Body

Shock-absorbing, clear casing provides reliable service and easy maintenance.

#### **Threaded Mounting**

Easily replaces standard filler/
breather cap with one of several adapters options.

Product Specifications		BB-AG-BBV	BB-AG-1V	BB-AG-2V	BB-AG-3V	BB-AG-4V*
Unit Height		3.9"/ 99.06 mm	5.31"/ 135 mm	6.125"/ 155.6 mm	8.125"/ 206.4 mm	10.125"/ 257.2 mm
Unit Diameter		2.52" / 64.01 mm	2.52" / 64 mm	4" / 101.6 mm	4" / 101.6 mm	4"/ 101.6 mm
ShippingWeight (unit/case)		0.31 lbs. / 2.14 lbs 0.14 kg / 0.97 kg	0.52 lbs. / 3.37 lbs. 0.24 kg / 1.53 kg	1.21 lbs. / 7.73 lbs 0.55 kg / 3.51 kg	1.87 lbs. / 11.74 lbs. 0.85 kg / 5.32 kg	2.63 lbs. / 16.13 lbs 1.2 kg / 7.33 kg
Amount of Desiccant		0.13 lbs. / 58.6 g	0.28 lbs. / 125.1 g	0.66 lbs / 0.30 kg	1.22 lbs. / 0.56 kg	1.88 lbs. / 0.84 kg
Max. Adsorption Capacity		0.79 fl. oz. / 23.3 mL	1.68 fl. oz. / 49.6 mL	4 fl. oz. / 118.2 mL	7.45 fl. oz / 220.3 mL	11.3 fl. oz. / 333 mL
Max. Flow Rate	(cfm)	1.45 @ 1 psid	1.45 @ 1 psid	2.5 @ 1 psid	2.28 @ 1 psid	1.8 @ 1 psid
	(lpm)	41.06	41.06	70.5	64.5	50.9
Filtration		$3\mu$ absolute $(\beta_3 \ge 200)$	$3\mu$ absolute $(\beta_3 \ge 200)$	$3\mu$ absolute $(\beta_3 \ge 200)$	$3\mu$ absolute $(\beta_3 \ge 200)$	$3\mu$ absolute $(\beta_3 \ge 200)$
Operating Temp. Range		-20°F to 200°F/ -29°C to 93°C	-20°F to 200°F/ -29°C to 93°C	-20°F to 200°F/ -29°C to 93°C	-20°F to 200°F/ -29°C to 93°C	-20°Fto 200°F/ -29°C to 93°C
Hydrophilic Agent		Silica gel	Silica gel	Silica gel	Silica gel	Silicagel
Filter Media		Polyester	Polyester	Polyester	Polyester	Polyester
Connection Size		3/8" Multi-fit (NPT, BSPP, BSPT	3/8" Multi-fit (NPT, BSPP, BSPT	1" Mult-fit (NPT, BSPT, NPSM)	1" Mult-fit (NPT, BSPT, NPSM)	1" Multi-fit (NPT, BSPT, NPSM)
Body Material		Polycarbonate, Nylon, Polypropylene, Polyester, Polyurethane, Buna-N, PVC				

Adapters: Beach provides a range of accessories for easy adaptation to your specific application and working environment. Contact us at (717) 698-1403 or sales@beachfilters.com to learn more.

\*New Product