

Specifically designed for gearbox applications

An expansion chamber creates a nearly sealed system. The diaphragm allows for expansion and contraction of the air within the casing as a result of temperature variations during steady state operations.

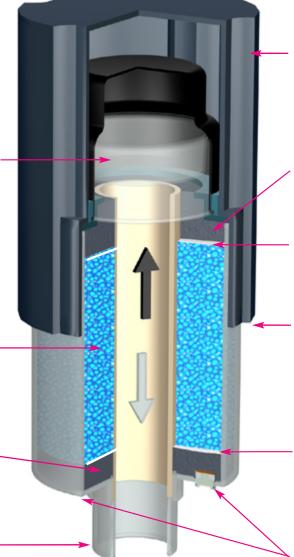
Color indicating silica gel, adsorbs water from incoming air.

During exhalation, dry system air is passed back through the silica gel bed partially regenerating the desiccant.

Replace when color changes from blue to pink.

Foam pad disperses incoming air evenly over filtration and drying areas.

Press-in mounting easily replaces standard filler/breather cap with several adapter/reducer options.



Durable molded housing for reliable service, easy maintenance.

Foam pad stops oil mist during expansion to ensure air is evenly disbursed through the filters and desiccant, providing maximum efficiency for "backflushing" and silica gel regeneration.

Second polyester filter element protects against any migration of desiccant dust.

Displaced air from bladder expansion escapes through integrated air outlets.

Patented polyester filter element provides 3-micron absolute filtration. Unique loops allow particles to release during system exhalation, increasing breather life.

Dual check valves provide slight system pressurization (0.43 psi) which allows for controlled breathing without excessive temperature build-up.

TECH SPECS

General Data

Element model BB-AG-8

Standard size 8 in. tall, 5 in. diameter (apx.)

Max. permissible flow 4 cfm (est.)

Micron rating 3-micron absolute

Beta rating >200 at 3-micron

Direction of flow Out-in & In-out

Max. operating temp +200° F

Amount of silica gel 0.9 lbs.

Hygroscopic Agent

Type & quantity Silica gel
Apparent bulk density 49 lb/cu.ft.
Avg. particle diameter 0.145 in.
Avg. surface area 0.65 sq. m/gm
Pore volume 0.38 cc/gm

 Avg. pore diameter
 21 A

 Specific heat
 0.25 BTU/lb. °F

 Nominal mesh range
 4 x 8

 Crush strength avg.
 35 lb.

* Patented technology.

Filter Media

Material Patented polyester
Porosity 100-130 cmf @ 1/2 in. w.g.
Unit Material Data
Body & Cap * Polypropylene
Melting point 350° F
Tensel strength 8000 psi
Diaphragm* NBR (Nitrile)
Tear strength 103 lb (in

* Resistant to acids, alkalides, solvents, all mineral & synthetic lubricants For additional product information, please contact:



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