



Proactive exclusion of contaminants improves system performance, helps extend the life of lubricants and seals

**ATTENTION!**

REPLACEMENT OF AIR FILTER.  
REPLACE WHEN COLOUR CHANGE INDICATES (CHANGED FROM BLUE TO PINK OR IS NOT ANY MORE BLUE).

BLUE = ACTIVE  
PINK OR NOT BLUE = REPLACE

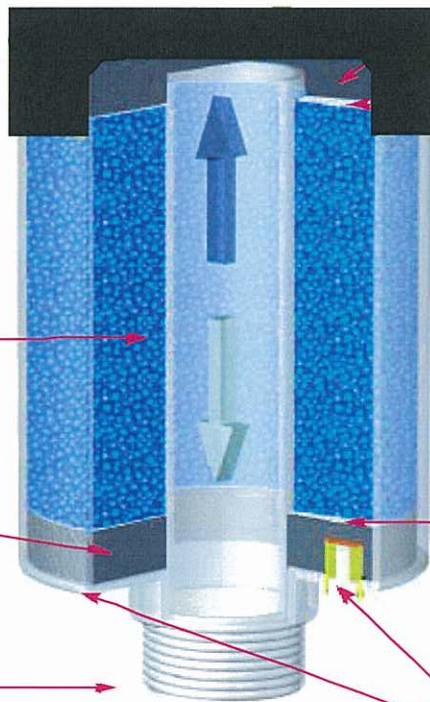
Foam pad stops oil mist during expansion to ensure air is evenly disbursed through the filters and desiccant, providing maximum efficiency for "backflushing" and silica gel regeneration.

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 bottom breather body when color changes from blue to pink.

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

3/8" NPT port allows for easy replacement of standard vent cap.



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

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.

\* Patent pending.

**TECH SPECS**

**General Data**

Element model . . . . .DCVG-1  
Standard size . . . . .127 \* 64 mm  
Max. permissible flow . . . . .28 l/min  
Micron rating . . . . .3-micron absolute  
Beta rating . . . . .>200 at 3-micron  
Direction of flow . . . . .Out in&in out  
Max. operating temp . . . . .94 C  
Amount of silica gel . . . . .0,14 kg

**Hygroscopic Agent**

Type & quantity . . . . . Silica gel  
Apparent bulk density . . . . .784 kg/ m3  
Avg. particle diameter . . . . .3,7 mm  
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 kg

**Filter Media**

Material . . . . . Patented polyester  
Porosity . . . . . 100-130 cmf @ 1/2 in. w.g.  
**Unit Material Data**  
Body & Cap \* . . . . . Polypropylene  
Melting point . . . . .176 C  
Tensel strength . . . . .540 MPa  
Diaphragm\* . . . . .NBR (Nitrile)  
Tear strength . . . . .710 kPa

\*Resistant to acids, alkalides, solvents, all mineral & synthetic iubicants