

## WATCHDOG DESICCANT BREATHERS



### DESCRIPTION:

The Watchdog Desiccant Breathers are a unique particle filtration and water removal system. They prevent destructive contaminants from entering industrial equipment as air is breathed in and out due to thermal expansion or fluid level changes. They feature visual indication of the silica for replacement, which turns from gold to dark green.

By allowing only clean, dry air into industrial equipment, the Watchdog Desiccant Breathers prolong fluid life, reduce abrasive wear, downtime and repair costs.

### FEATURES:

- Water Vapour Adsorbent - the silica gel used adsorbs up to 40% of its own weight.
- Colour Indicator - When maximum adsorption is reached the silica gel turns from gold to dark green, indicating replacement is needed. The silica gel used is chemically inert, non-corrosive, and does not contain cobalt chloride, a heavy metal. The colour changing dye used is environmentally safe and meets all health and safety requirements.
- Dual Filtration System - A two micron filter (99% efficiency) is located at the top and bottom of the silica gel bed. The top filter removes particle contamination from atmospheric air and the bottom helps with dust created by the silica gel beads contacting each other.
- Activated Carbon - As air is expelled, it passes through activated carbon which removes oil vapours, fumes, and odours (except for part numbers 39131, 39132, 39133, and 39134).

- Bi-directional air flow - A 360° air flow allows air to be breathed in and out as fluid level changes or differential pressures occur. Expelled air "backflushes" the particulate filter to prolong the life of the breather.
- Durable construction - Watchdog desiccant breathers are manufactured from rugged ABS plastic and impact modified acrylic.

**SPECIFICATIONS:**

Nominal Air Flow Rate	35 CFM (260 gpm of fluid volume change) 10 CFM (75 gpm of fluid volume change) 100 CFM (750 gpm of fluid volume change)
Particulate Filtration Level	2 micron absolute (99% efficiency)
Operating Temperature Range	-20° to 200°F / -28° to 93°C
Silica Gel Adsorption	Up to 40% of its weight of water
Material	ABS plastic and impact-modified acrylic