



# WATCHDOG<sup>®</sup> DESICCANT BREATHERS

## Guarding Against Contamination

Prevent contaminants from entering your machinery with Watchdog Desiccant Breathers from Trico.

Our desiccant breathers ensure optimum protection of industrial equipment by preventing the entry of moisture and particulate contamination. The breathers are designed to replace the breather cap or air filter on:

- Gearboxes
- Hydraulic fluid reservoirs
- Oil drums
- Transformers
- Bulk storage tanks
- Other fluid reservoirs

Contaminants enter industrial equipment as pressure or fluid level changes occur. The Watchdog Desiccant Breathers adsorb water and filter particulate contaminants from the atmosphere before they enter your equipment.

**Watchdog Desiccant Breathers are a powerful preventive maintenance tool that can maximize machine and lubricant life while minimizing maintenance costs.**



Desiccant breathers are one of the most cost-effective ways to prevent contamination. Choose from a variety of styles to meet your specific application needs.

## Benefits:

- **Moisture Control:** They absorb moisture, preventing corrosion inside the equipment.
- **Contamination Reduction:** These breathers filter out airborne particulates, keeping internal systems clean.
- **Extended Oil Life:** By preventing contamination, they prolong the service life of oil.
- **Improved Equipment Reliability:** Reduced contamination leads to less downtime and maintenance issues.
- **Cost Savings:** Longer life for oil and components means lower repair and maintenance costs.
- **Environmental Benefits:** They contribute to less waste and reduced oil disposal needs.
- **Enhanced Safety:** Proper equipment condition ensures safer operating environments.
- **Easy Maintenance:** Simple inspection and quick desiccant replacement.





## Watchdog Desiccant Breathers

Watchdog Desiccant Breathers satisfy the requirements for most applications such as hydraulic reservoirs, lubricant and fuel storage tanks, transformers, pumps, and gearboxes. They are available in a variety of sizes.

- Equipment with air intakes for optimal air flow that is essential for the efficient functioning of equipment.

## Watchdog Extreme Humidity Desiccant Breathers

Watchdog EX Desiccant Breathers are perfect for humid environments including paper mills, mines, and wash down areas.

- Equipped with check valves to provide protection in wash down or high humidity areas.



### Features:

**Visual Indication:** When maximum adsorption is reached, the silica gel changes color, indicating replacement is needed.

**Center Tube:** The center tube is made from durable nylon material, which gives the element rigidity and ensures uniform air flow through the silica gel.

**Durable Construction:** Manufactured from rugged ABS plastic

**Dual Filtration System:** A dual layer of filtration media effectively prevents the migration of silica gel dust while capturing oil mist.

### Specifications:

**Particulate Filtration Level**  
3-micron absolute

**Operating Temperature Range**  
-20 to 200°F (-28 to 93°C)

**Silica Gel Adsorption**  
Up to 40% of its weight in water

**Material**  
ABS, Nylon, Buna, and Polypropylene

### Selection Chart:

Orange Silica Gel	Blue Silica Gel	Dimensions	Air Flow	Fluid Volume Exchange	Connection	Water Capacity	Check Valves
WG-040207-S	WB-040207-S	4.14"H X 2.54" Dia	7 CFM	52 GPM (198 LPM)	3/8" Male (MNPT, BSPT, BSPP)	28 ml (0.06 lbs)	No
WG-050207-S	WB-050207-S	5.59"H x 2.54" Dia	7 CFM	52 GPM (198 LPM)	3/8" Male (MNPT, BSPT, BSPP)	60 ml (0.13 lbs)	No
WG-060418-S	WB-060418-S	6.11"H x 4.10" Dia	18 CFM	134 GPM (510 LPM)	1" Male (MNPT, BSPT, BSPP)	143 ml (0.31 lbs)	No
WG-080418-S	WB-080418-S	8.28"H x 4.10" Dia	18 CFM	134 GPM (510 LPM)	1" Male (MNPT, BSPT, BSPP)	264 ml (0.58 lbs)	No
WG-100418-S	WB-100418-S	10.38"H x 4.10" Dia	18 CFM	134 GPM (510 LPM)	1" Male (MNPT, BSPT, BSPP)	424 ml (0.93 lbs)	No
WG-040205-EX	WB-040205-EX	4.14"H X 2.54" Dia	5 CFM	37 GPM (142 LPM)	3/8" Male (MNPT, BSPT, BSPP)	28 ml (0.06 lbs)	Yes
WG-050205-EX	WB-050205-EX	5.59"H x 2.54" Dia	5 CFM	37 GPM (142 LPM)	3/8" Male (MNPT, BSPT, BSPP)	60 ml (0.13 lbs)	Yes
WG-060410-EX	WB-06041-EX	6.11"H x 4.10" Dia	10 CFM	63 GPM (238 LPM)	1" Male (MNPT, BSPT, BSPP)	143 ml (0.31 lbs)	Yes
WG-080410-EX	WB-080410-EX	8.28"H x 4.10" Dia	10 CFM	63 GPM (238 LPM)	1" Male (MNPT, BSPT, BSPP)	264 ml (0.58 lbs)	Yes
WG-100410-EX	WB-100410-EX	10.38"H x 4.10" Dia	10 CFM	63 GPM (238 LPM)	1" Male (MNPT, BSPT, BSPP)	424 ml (0.93 lbs)	Yes