



# WATCHDOG EX BREATHER

## OVERVIEW AND YEARLY COST SAVINGS



### Replaces traditional OEM vent caps on industrial equipment

#### Performs two functions:

##### 1. Adsorb moisture

- Silica gel adsorbs up to 40% of its own weight with 99% efficiency
- Silica gel changes color to indicate replacement

##### 2. Collect airborne solid particles

- Particulate removal down to 2-3 microns

*Simple method of allowing system to breathe - yet keeping it clean and dry*

### Features:

- Reduce yearly cost by as much as 40% with replaceable silica gel cartridge
- Prolong desiccant life with controlled airflow
- Increase maintenance efficiencies
- Increase life expectancy of the lubricant
- Improve equipment performance and reliability

The Watchdog EX Breather is used to protect the integrity of in-service lubricants by mitigating contaminants from entering the system while allowing the system to breathe when required. Contaminants are removed via a bed of desiccant and 2 micron filters (desiccant never comes in contact with lubricant).

### Applications:

- Pumps
- Gearboxes
- Hydraulic Reservoirs
- Compressors
- Lubricant Storage



Item	Connection Type	Dia (in)	Height (in)	Air Flow Rate	Silica Gel Capacity	Water Capacity	Check Valve Capacity	Replacement Cartridge
39110	1/2 in Female NPT	3 1/4	6 1/4	10 cfm	0.8 lbs	4.91 oz	0.1 / 0.1	39217
39111	1 in Slip Fit	5	5	20 cfm	1.4 lbs	8.60 oz	0.1 / 2.0	39218
39112	1 in Slip Fit	5	8	20 cfm	2.7 lbs	16.56 oz	0.1 / 2.0	39219
39135	1 in Male NPT	5	7	20 cfm	1.4 lbs	8.60 oz	0.1 / 2.0	39300
39136	1 in Male NPT	5	10	20 cfm	2.7 lbs	16.56 oz	0.1 / 2.0	39304
39113	2 in Male NPT	5	5	20 cfm	1.4 lbs	8.60 oz	0.1 / 2.0	39310
39114	2 in Male NPT	5	8	20 cfm	2.7 lbs	16.56 oz	0.1 / 2.0	39222
39141	1/2 in Female NPT	3 1/4	5 1/4	20 cfm	0.6 lbs	3.68 oz	0.1 / 0.1	39220
39144	1 in Slip Fit	5	7	20 cfm	1.4 lbs	8.60 oz	0.1 / 0.1	39218
39145	1 in Slip Fit	5	7	20 cfm	2.7 lbs	16.56 oz	0.1 / 0.1	39219
39146	1 in Male NPT	5	7	20 cfm	1.4 lbs	8.60 oz	0.1 / 0.1	39300
39147	1 in Male NPT	5	10	20 cfm	2.7 lbs	16.56 oz	0.1 / 0.1	39304
39148	2 in Male NPT	5	7	20 cfm	1.4 lbs	8.60 oz	0.1 / 0.1	39310
39149	2 in Male NPT	5	10	20 cfm	2.7 lbs	16.56 oz	0.1 / 0.1	39222



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### Why do you need desiccant breathers?



**75%** of new oil **does not** meet cleanliness requirements of the equipment



**80%** of machine wear is attributed to **contamination**



**20%** of bearings do not reach their life expectancy due to contamination

### Watchdog EX Breather Competitive Edge

*\*\*When compared to similar size breathers\*\**

Competitor

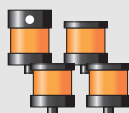
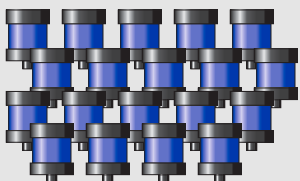
Trico



Up to  
**6x** more **silica gel**  
per unit



Up to  
**80%** more **water**  
**adsorption** capacity



Up to  
**80%** less **change outs**  
per year



Up to  
**75%** **yearly cost savings** to  
replace spent  
desiccant breathers

### Benefits:



Improved equipment component life and operating efficiencies



Overall reduced parts and labor costs



Maximized equipment uptime



Minimized lubricant consumption, waste and environmental impact



Reduced repeat failures and downtime

Looks can be deceiving when selecting a desiccant breather. Always compare desiccant breathers down to the cost per ounce of water adsorbed. Contact Trico for all your desiccant breather needs.