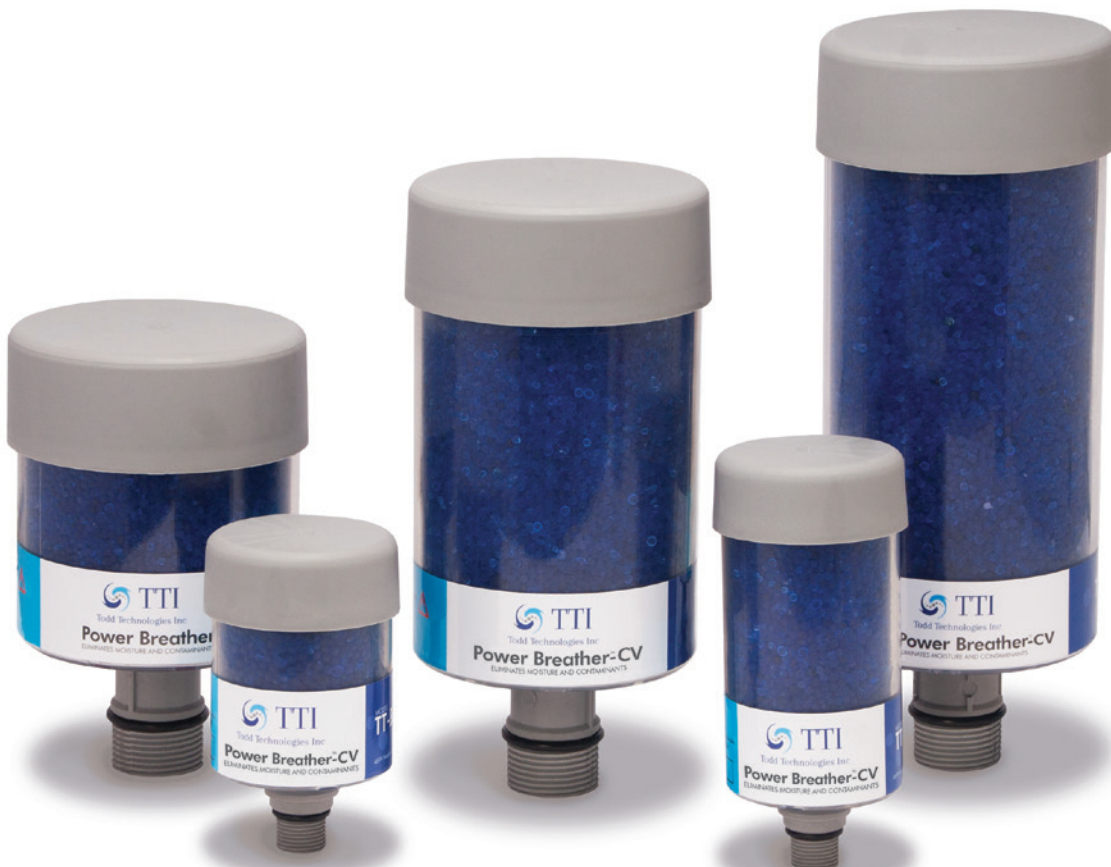


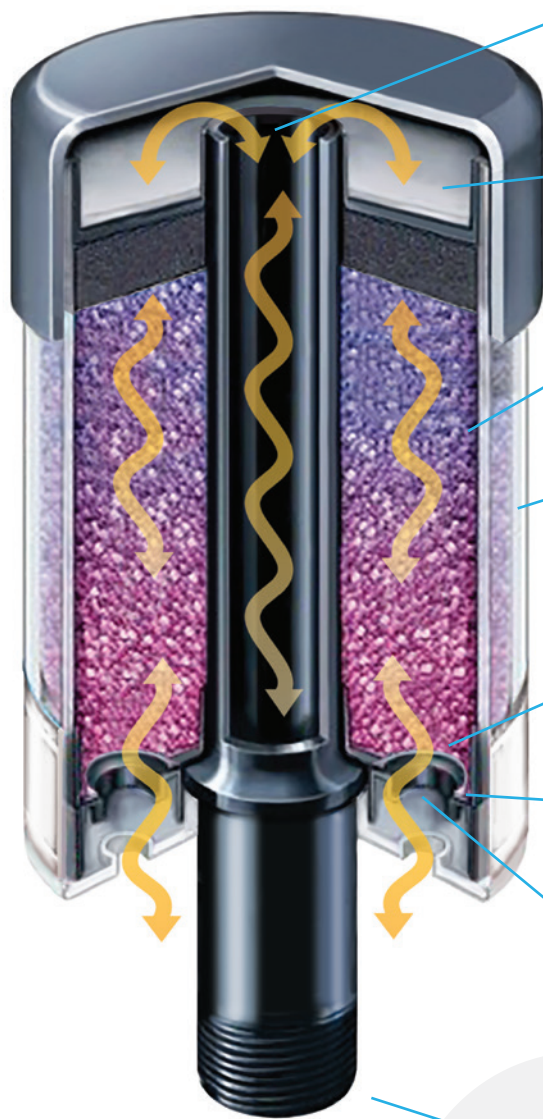
Power Breathers™-CV

Protects lubricants and equipment from damage due to moisture and particulate intrusion. This check-valve technology is ideal for low-flow applications with intermittent operations.



Power Breathers-CV

This breather unit is a marked improvement over the customary dust caps or OEM breathers on equipment. When contaminated air enters the top of the breather, it passes through layered filter media, preventing solid particles from entering the breather and causing undue wear to your equipment surfaces. Filtered air passes through a bed of **Power Breather** silica gel, which removes harmful moisture from the air. The silica beads also work to attract moisture from inside the equipment reservoir during service or shut-down, keeping the equipment dry. The addition of check-valves in our CV breather is ideal for low-flow and intermittent operations in high humidity conditions.



Center Tube

The center tube is constructed from rugged nylon material providing rigidity to the element and allowing for even airflow through the silica gel.

Secondary Filter Media

Second filter step prevents any possible migration of silica dust providing added system protection.

Moisture Absorbent

The Power Breather silica gel provides industry leading moisture removal and holds up to 40% of its weight.

ABS Outer Shell

Clear outer shell provides a visual indicator of silica gel condition allowing for optimum change out intervals.

Filter Media

3-micron absolute particulate filtration is provided by a polyester filter media.

Oil Mist Collector

Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture absorbing silica gel.

Check-Valves

Check-valves provide protection in washdown areas. Check-valves isolate equipment from ambient conditions, prolonging life.

Sure-fit Connection

Replaces filler/breather cap with multi-fit connection. Adapters also available.

Dimensions

| Model | Connection | Height | Width |
|----------|------------------------------------|------------------|-----------------|
| TT-BB-CV | 3/8" Sure-Fit (NPT, BSPP, BSPT) | 4.30" (10.92cm) | 2.52" (6.40cm) |
| TT-1-CV | 3/8" Sure-Fit (NPT, BSPP, BSPT) | 5.80" (14.73cm) | 2.52" (6.40cm) |
| TT-2-CV | 1" Sure-Fit (NPT, BSPP, NPSM) | 6.24" (15.85cm) | 4.10" (10.41cm) |
| TT-3-CV | 1" Sure-Fit (NPT, BSPP, NPSM) | 8.44" (21.27cm) | 4.10" (10.41cm) |
| TT-4-CV | 1" Sure-Fit (NPT, BSPP, NPSM) | 10.54" (26.78cm) | 4.10" (10.41cm) |

Sizing suggestions

| Model | Max Moisture Retention |
|----------|------------------------|
| TT-BB-CV | 28ml / 1.0 fl oz |
| TT-1-CV | 60ml / 2.0 fl oz |
| TT-2-CV | 142ml / 4.8 fl oz |
| TT-3-CV | 264ml / 8.9 fl oz |
| TT-4-CV | 424ml / 14.3 fl oz |

Note: Max moisture retention varies with operating conditions

| Model | Max Airflow at 1psid |
|----------|----------------------|
| TT-BB-CV | 1.5 cfm/42 lpm |
| TT-1-CV | 1.5 cfm/42 lpm |
| TT-2-CV | 2.5 cfm/70 lpm |
| TT-3-CV | 2.5 cfm/70 lpm |
| TT-4-CV | 2.5 cfm/70 lpm |

Materials

Body:

ABS, Nylon, Polypropylene, Buna

Moisture Absorbing Media:

Silica Gel

Filter Media:

Polyester, Polyurethane

Filter Efficiency:

3 Micron Absolute

Operating temperatures:

-20 F to 200 F

-29 C to 93 C

Performance

The Power Breather offers significant performance improvements over other leading desiccant breathers.

Value add features:

Multiple head-to-head tests with leading competitors demonstrate that POWER Breather Silica Gel averages nearly 20% more moisture holding capacity than other leading brands.

The increased body length of the POWER Breather allows for 10% more volume of our silica gel when compared to leading competitors.



Applications

- Gear Boxes
- Low-Flow
- High Humidity
- Washdown

Typical Industries

- Wind Energy
- Power Generation
- Mining
- Aviation
- Storage
- Manufacturing
- Petrochemical
- Pulp and Paper

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