



Power Breathers-CVTM

Protects lubricants and equipment from moisture and particulate intrusion. iPETRO's **check-valve** technology is ideal for low-flow applications with intermittent operations.

iPETRO Power Breathers-CV™

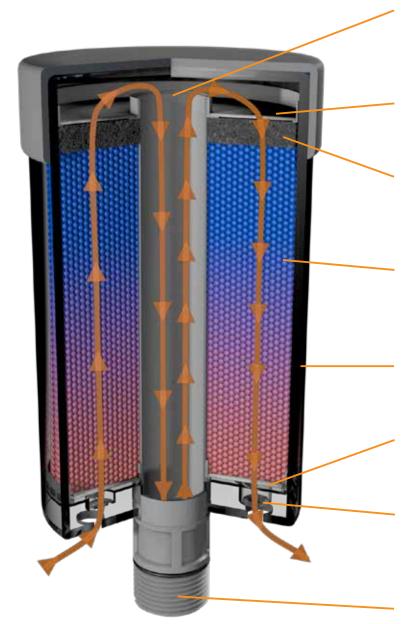
This breather unit is a marked improvement over the customary dust caps or OEM breathers on equipment.

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 shutdown, 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.

Oil Mist Collector

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

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.

Check-Valves

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

Sure-fit Connection

Use sure-fit connections instead of filler/breather cap. Adapters also available.

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Performance

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

Value add features:

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

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

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

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	Max Airflow at 1psid
TT-BB-CV	28ml / 1.0 fl oz	5 cfm / 142 lpm
TT-1-CV	60ml / 2.0 fl oz	5 cfm / 142 lpm
TT-2-CV	142ml / 4.8 fl oz	10 cfm / 283 lpm
TT-3-CV	264ml / 8.9 fl oz	10 cfm / 283 lpm
TT-4-CV	424ml / 14.3 fl oz	10 cfm / 283 lpm

Note: Max moisture retention varies with operating conditions

Applications

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

Typical Industries

- Manufacturing
- Chemical
- Pulp & Paper
- Storage Facilities
- Mining
- Power Plants
- Wind Energy



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