

PETRO INDUSTRIAL

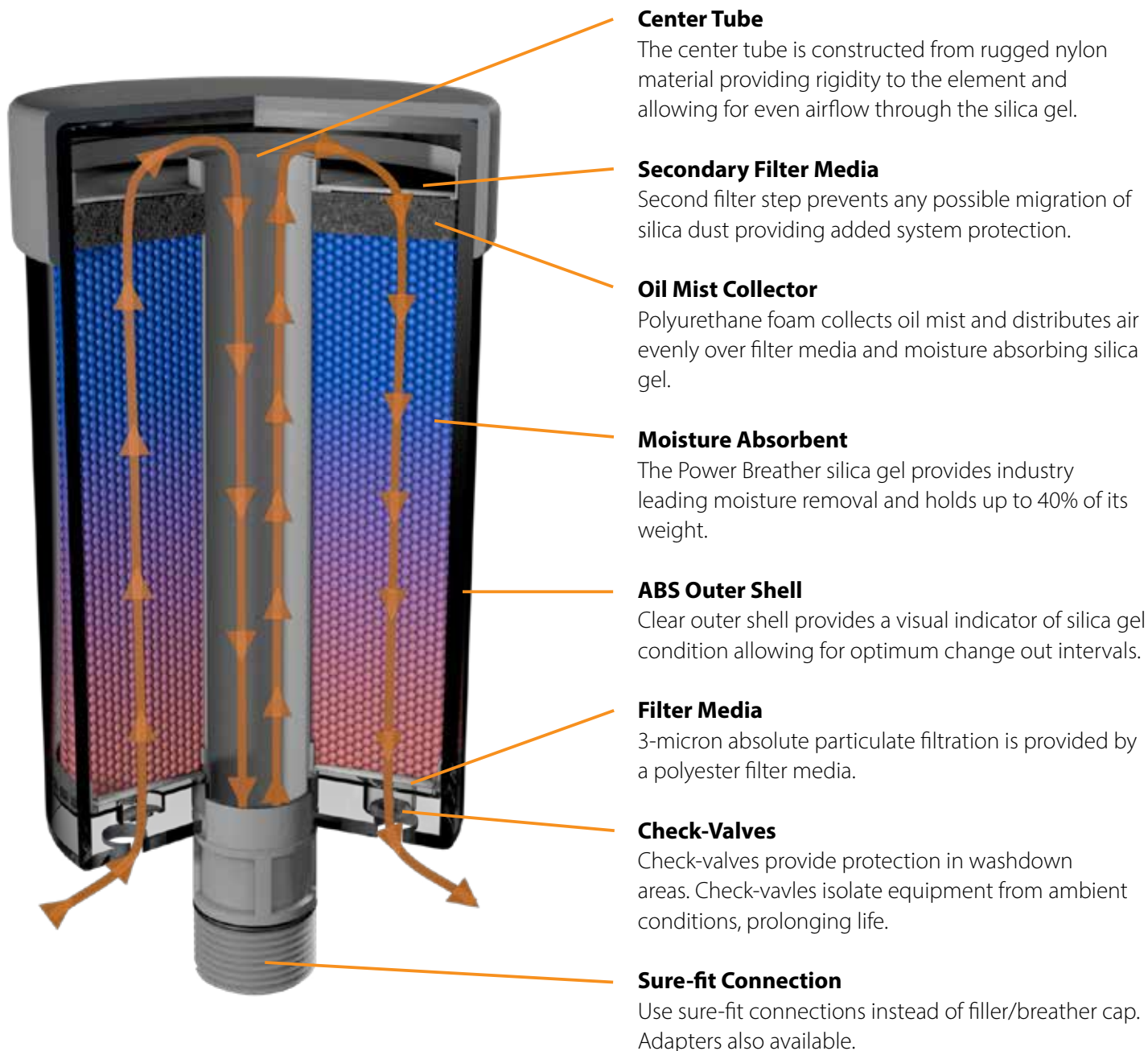


Power Breathers-CV™

Protects lubricants and equipment from moisture and particulate intrusion.

iPETRO's **check-valve** technology is ideal for low-flow applications with intermittent operations.

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.



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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