

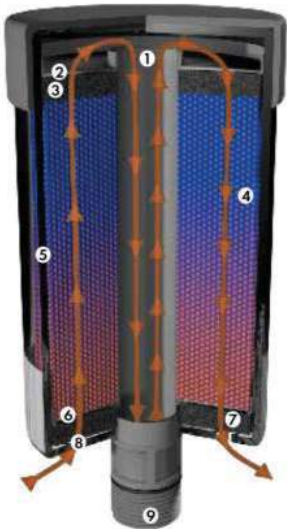
TTI Desiccant Power Breathers

Protects lubricants and equipment from moisture and particulate intrusion. Extends service cycles and equipment life resulting in lower lifetime operating costs.



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.

1. 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.
2. Secondary Filter Media
Second filter step prevents any possible migration of silica dust providing added system protection.
3. Secondary Oil Mist Collector
Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture-absorbing silica gel.
4. Moisture Absorbent
The Power Breather silica gel provides industry-leading moisture removal and holds up to 40% of its weight.
5. ABS Outer Shell
Clear outer shell provides a visual indicator of silica gel condition allowing for optimum change-out intervals.
6. Filter Media
3-micron absolute particulate filtration is provided by a polyester filter media.
7. Oil Mist Collector
Polyurethane foam collects oil mist and distributes air evenly over filter media and moisture-absorbing silica gel.
8. Air intakes
Air intakes are opened based on flow requirements and provide moisture protection for the breather while being shipped/stored.
9. Sure-fit Connection
Use sure-fit connections instead of filler/breather caps. Adapters are also available.



Sizing suggestions

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

Model	Max Airflow at 1psid
TT-BB	7 cfm / 198 lpm
TT-1	7 cfm / 198 lpm
TT-2	18 cfm / 510 lpm
TT-3	18 cfm / 510 lpm
TT-4	18 cfm / 510 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 TTI Breather offers significant performance improvements over other leading desiccant breathers.

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

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

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Dimensions

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