



# TTI

Service Quality Innovation

## TitanBlock™ PowerBreather™

Retro-fit cartridges for Air Sentry® Guardian® Breathers. TTI improves performance with Dual Phase microglass 1-micron absolute media and industry-leading Power Gel.



### Applications

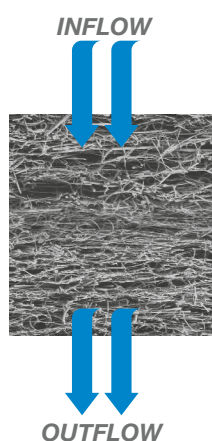
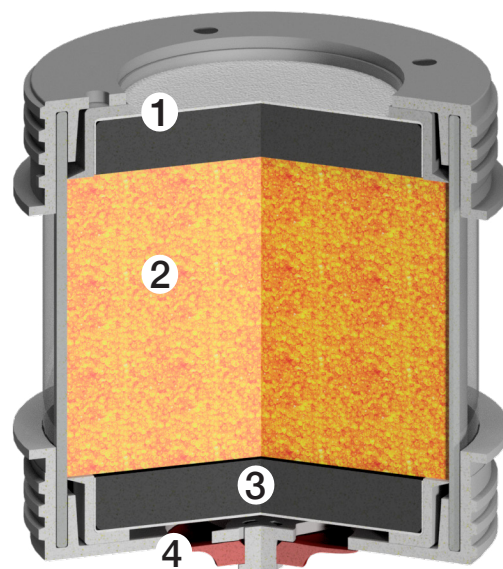
Large Gearboxes | Remote Applications | Storage Tanks | Wind Turbines

### Typical Industries

Aviation | Manufacturing | Mining | Petrochemical | Pulp & Paper | Storage | Wind

# Titan PowerBreather™

- ① **DUAL PHASE MICROGLASS FILTRATION MEDIA**  
Delivers superior filtration with higher efficiency and greater dirt loading capacity.
- ② **ORANGE POWER GEL MEDIA**  
Industry leading moisture capacity as proven in the lab and field.
- ③ **OIL MIST COLLECTOR**  
Polyurethane foam traps oil mist, protecting Power Gel media from contamination.
- ④ **CHECK VALVE (OPTIONAL)**  
Allows outflow air to rapidly evacuate the breather body without contacting Power Gel media. Prevents premature saturation of the Power Gel and eliminates the chance for oil mist to degrade performance.



## Superior Filtration

Delivers superior filtration efficiency, dirt holding capacity and low pressure drop.

**1 Micron Retentive Layer**  
Fine denier fibers provide high-efficiency polishing to remove the finest particulate.

**3-5 Micron Particulate Capture Layer**  
Pre-filtration layer provides high-capacity capture of bulk airborne particulate.

# SPECIFICATIONS

TTI Model	Replaces Air Sentry Model	Isolation Check Valve	Height	Width	Power Gel	Max Absorption Capacity
TGE5S	GRC5S	NO	5"	5"	1.5lbs/0.68kg	10.1oz/298mL
TGE5SC	GRC5SC	YES	5"	5"	1.5lbs/0.68kg	10.1oz/298mL
TGE8S	GRC8S	NO	8"	5"	2.8lbs/1.27kg	18.9oz/559mL
TGE8SC	GRC8SC	YES	8"	5"	2.8lbs/1.27kg	18.9oz/559mL
TGE12S	GRC12S	NO	12"	5"	4.5lbs/2kg	30.3oz/896mL
TGE12SC	GRC12SC	YES	12"	5"	4.5lbs/2kg	30.3oz/896mL

# MATERIALS

## Body

Polycarbonate, Polypropylene, Buna

## Dual Zone Media

Microglass

## Operating Temperatures

-20°F to 200°F

-29°C to 93°C

## Moisture Absorbing Media

Orange Silica Power Gel

## Filter Efficiency

1-Micron Absolute

# Performance

The TTI TitanBlock™ PowerBreather™ offers significant performance improvements over other leading desiccant breathers.

Value add features:

Multiple head-to-head tests with leading competitors demonstrate that TTI's Power Gel averages nearly 20% more moisture holding capacity than other leading brands.





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# Here When You Need Us

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