

# TitanBlock™ PowerBreather™

Retro-fit cartridges for Air Sentry® Guardian® Breathers. TTI's industry-leading DuoGlass Media and PowerGel silica gel provide direct performance upgrades and longer service life.



## 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

**Body**  
 Polycarbonate, Polypropylene, Buna

**Moisture Absorbing Media**  
 Orange Silica Power Gel

**Filter Media**  
 DuoGlass

**Filter Efficiency**  
 1-Micron Absolute

**Operating Temperatures**  
 -20°F to 200°F  
 -29°C to 93°C

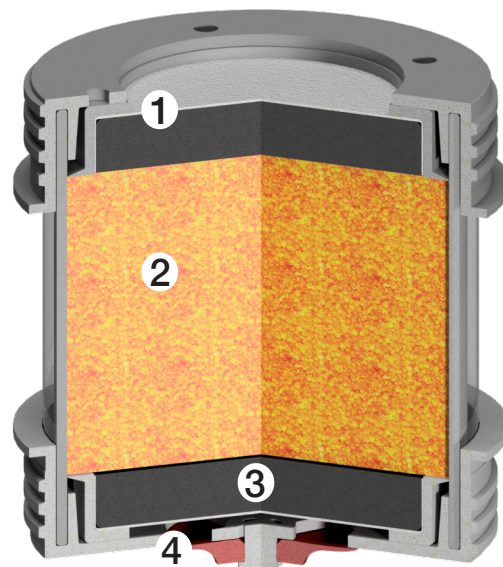
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① **DUOGLASS: DUAL PHASE MICROGLASS FILTRATION MEDIA**  
Delivers superior filtration with higher efficiency and greater dirt loading capacity.

② **ORANGE POWERGEL SO**  
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.



## DuoGlass Media

### Benefits Of Our Dual Phase Media Over Conventional Single Phase Media:

- Reduced pressure drops and increased dirt holding capacity over Single Phase Media
- Graded density creates a built-in pre-filter layer for every cartridge
- Beta 2000 and 4000 efficiencies at 1µm, 3µm, 6µm, 10µm, 25µm, and 40µm

