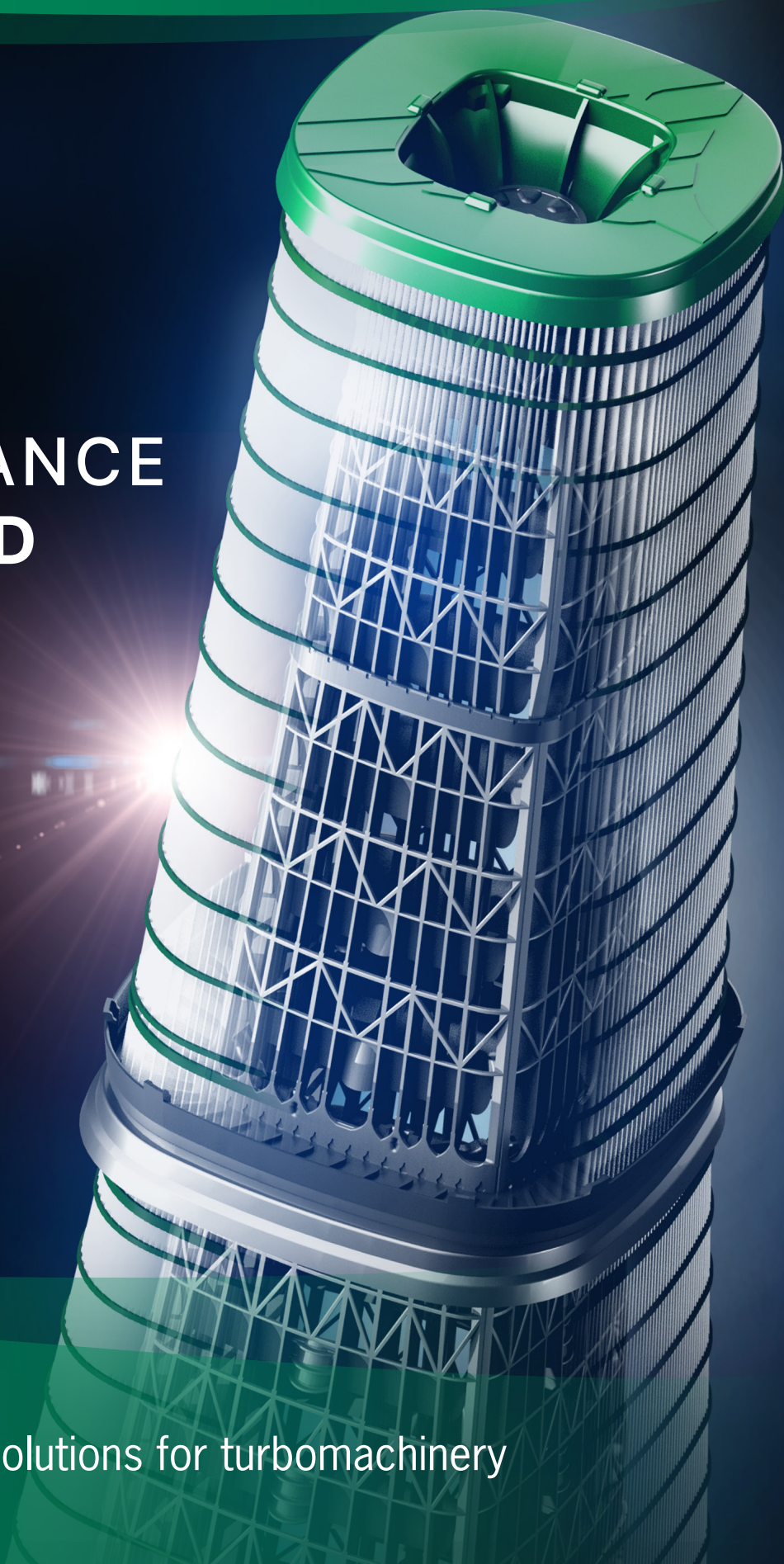


# PULSE PERFORMANCE SQUARED

Clean air solutions for turbomachinery





# PULSE FILTERS RE-IMAGINED

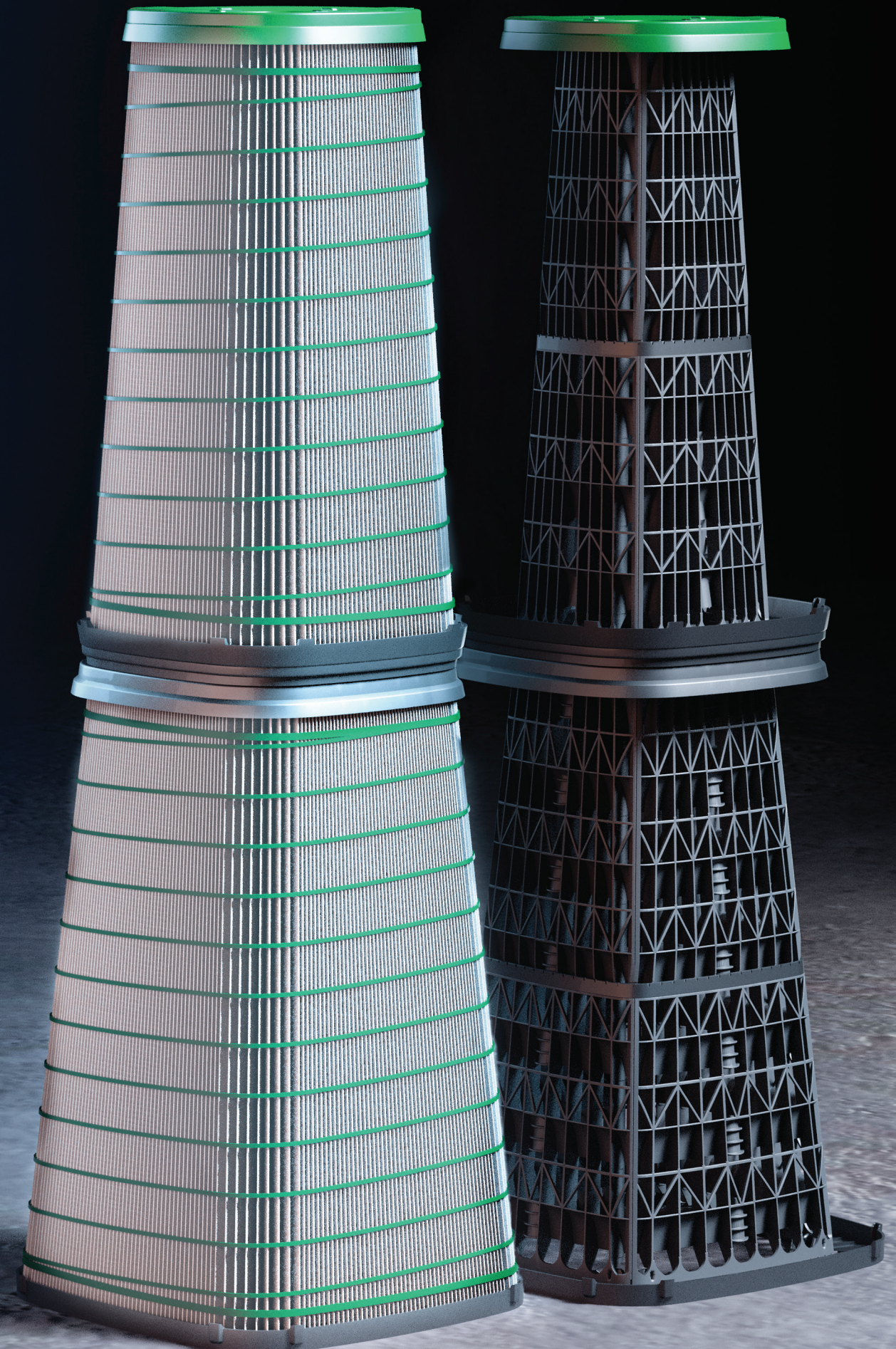
You can see right away that TurboPulse is different from all other pulse filters. The unique, square design improves airflow, delivers more efficient filter loading and holds more media. And it fits easily in your existing filter houses designed for conical cylindrical filters. So, there are a lot of new ideas to be excited about. In fact, with many new and patented innovations that enable longer filter life, best pulsing efficiency, superior strength and easy installation, TurboPulse really is pulse technology for the 21st Century.

## LONGER FILTER LIFE & RELIABLE OPERATIONS

The new patented inner cage includes aerodynamic vanes that redirect the pulse energy for best-in-class cleanability. This improved pulse performance combined with overall aerodynamic shape leads to the lowest operational pressure drop and longer filter life. TurboPulse takes a different, modern approach with many new features designed to improve dust holding capacity and pulse performance. Plus, TurboPulse filters are engineered to be the strongest, safest pulse filters you can buy to help ensure worry-free, reliable operations.

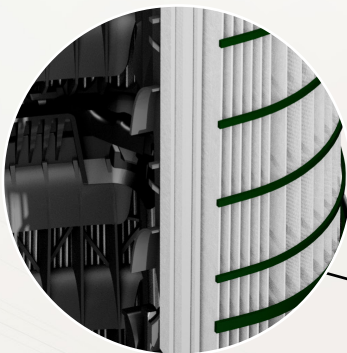
## FAST AND EASY INSTALLATION

To deliver the best filter solution possible, we engineered TurboPulse to be not only efficient and strong, but also fast and easy to install. Packed with innovative features that guide and aid the operator to ensure proper installation for maximum filter protection.

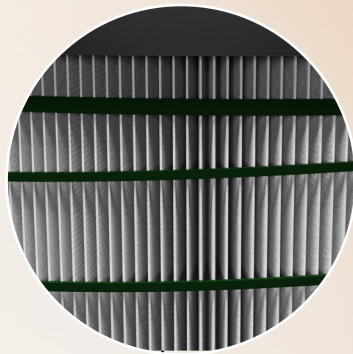




# LONGER FILTER LIFE & RELIABLE OPERATIONS



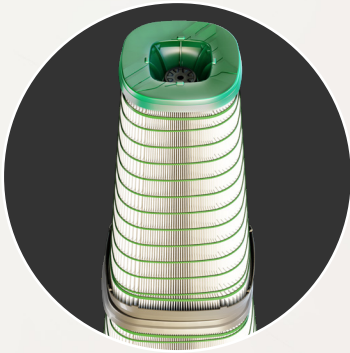
**Increased Media Area**  
The square design gives us the space we need to pack in more of our industry-leading HemiPleat™ media – without compromising pleat quality.



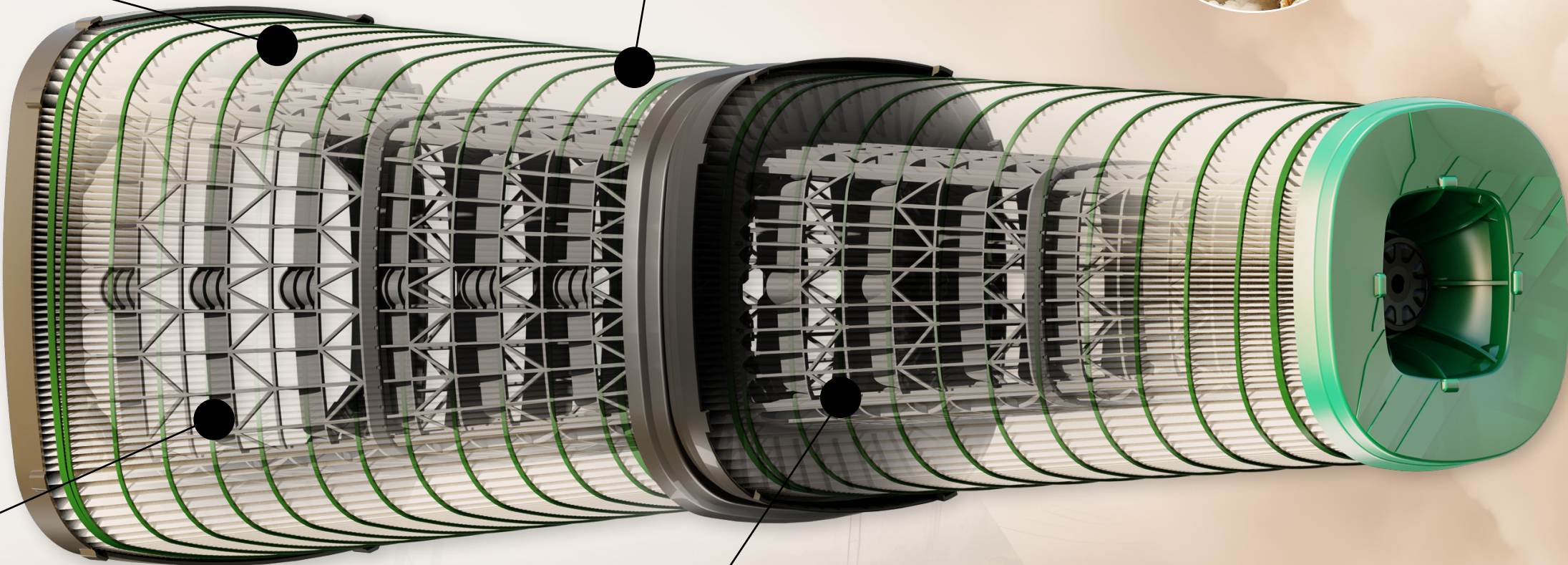
**Helicord Wrap**  
A green helicord wrap secures the media during pulsing, delivering added strength while offering minimal obstruction to ejected dust.



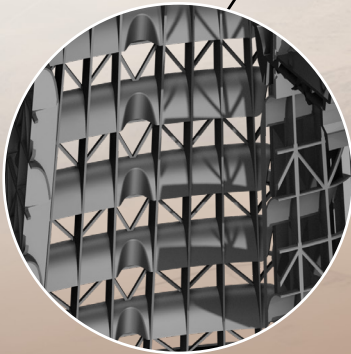
**Best Pulse Performance**  
TurboVanes re-direct pulsed air outward, maximizing the energy to recover up to 30% more pressure drop after each pulse. Even with media designed for humidity response that are typically harder to pulse.



**Safe & Reliable**  
To deliver an extra level of protection, we endurance tested the inner cage to 250,000 pulses!



**Patented TurboVanes**  
Aerodynamic vanes distribute the main airflow throughout the media so that the entire filter element is evenly loaded with dust for greater dust holding capacity vs. standard con-cyl designs.



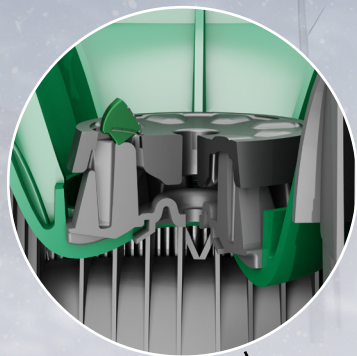
**Rugged Inner Cage**  
Based on our CamGT barrier filter design and proven in years of operation in challenging climates around the world. Made of tough, durable plastic, it has double the compressive strength of steel.



**Corrosion-Proof**  
TurboPulse filters are 100% Plastic and contain no metal, so they are corrosion proof and incinerable. Therefore, you won't have to worry about replacing rusted filters before they are fully loaded.



# FAST AND EASY INSTALLATION



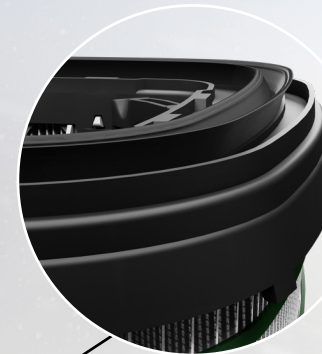
## Indicator Washer

A visual indicator built into the supplied washer guarantees a perfect seal while preventing over-torquing with the endcap that could cause compression damage to the filter.



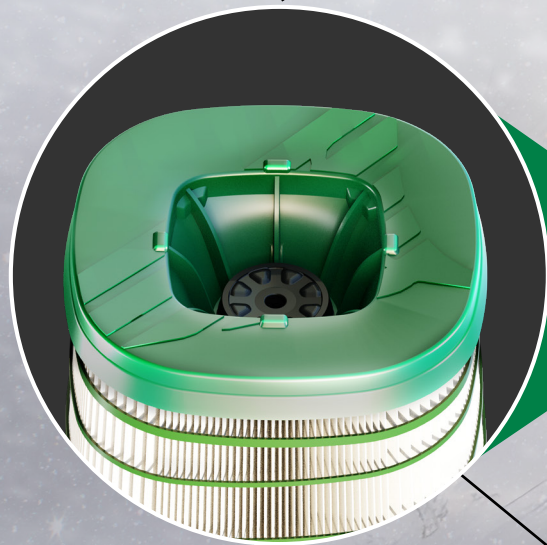
## Alignment Tabs

Built-in tabs on the frame automatically align the two filters of the filter set.



## SureGrip TPE Gaskets

Patented SureGrip dual-lip design firmly grips to the tube sheet, providing 10x better vacuum sealing than traditional foam gaskets. This lowers the risk of contaminant and water by-pass.



## TPU Radial Gasket

A redesigned TPU radial gasket built into the small end-pan delivers improved sealing against the tripod bolt for further protection from by-pass.



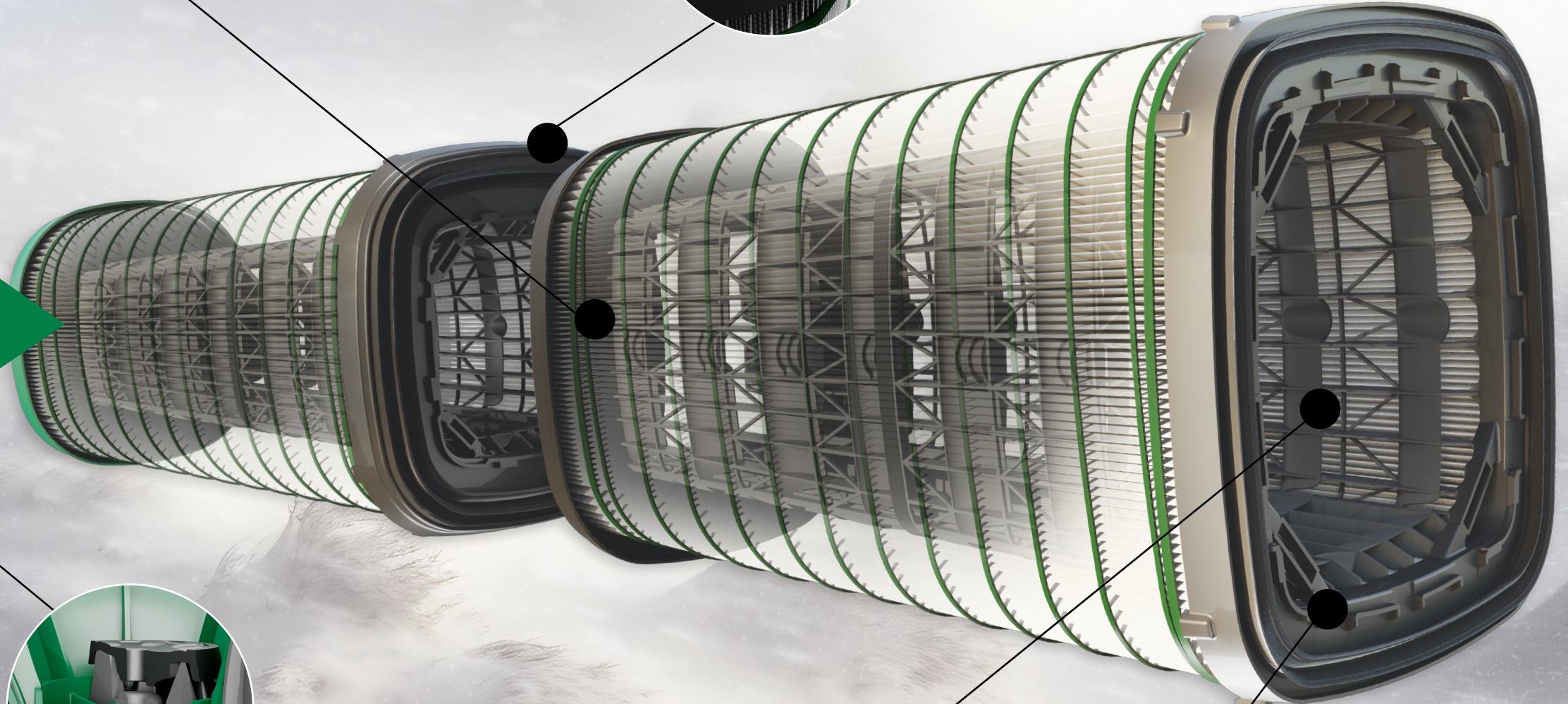
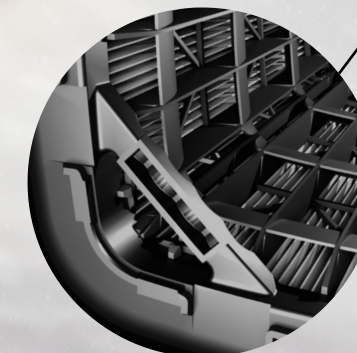
## Self-Centering End Pan

The self-centering end-pan guides the tripod bolt automatically into the pan.



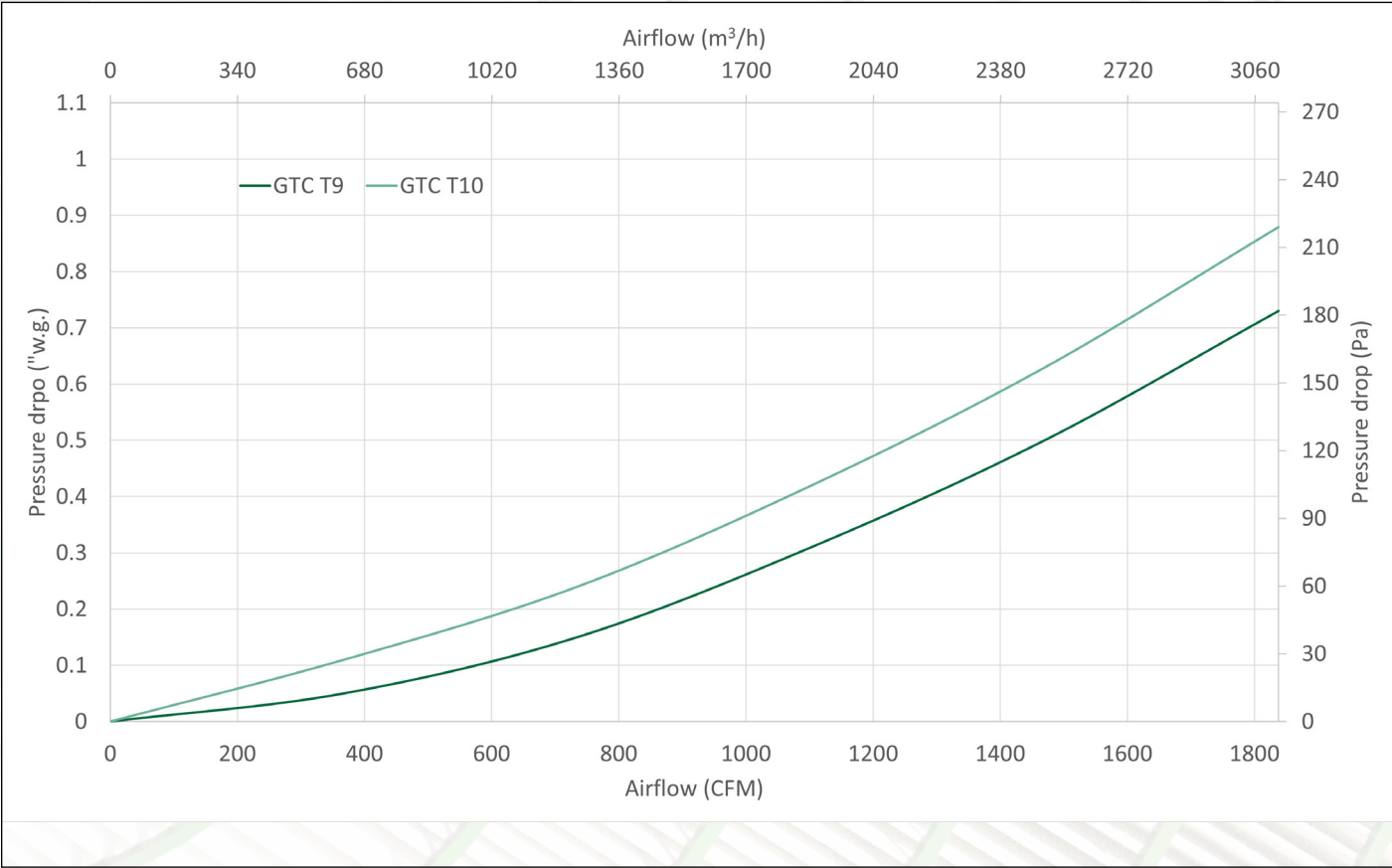
## Installation Aids

Handles and centering notches built into the filter make it simple to place on the tripod.





# PRESSURE DROP



Model	Height		Width				Shipping Data		Air flow/Press. Loss		Filter Class
	mm	inch	Small		Large				m³ / h / Pa	CFM / "wg	ISO 29461-1 : 2021
			mm	inch	mm	inch					
TurboPulse GTC	678	26.7	360-322	14.1-12.6	447-360	17.5-14.1	0.24/8.6	13 /28.6	2500/130	1470/0.52	T9
TurboPulse GTC10	678	26.7	360-322	14.1-12.6	447-360	17.5-14.1	0.24/8.6	13.5/30	2500/160	1470/0.64	T10

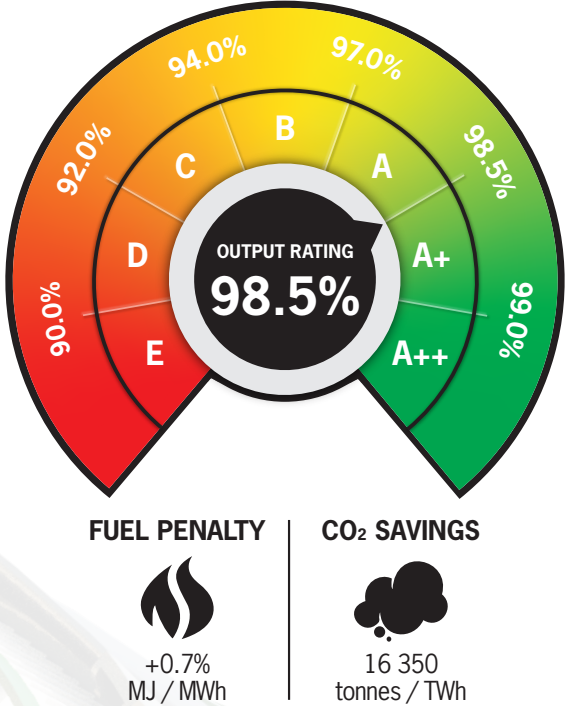
Inner Liner	Patented, 100% incinerable, corrosion-free glass reinforced plastic cage with aerodynamic & pulse enhancing vanes (TurboVanes), 2x strength increase over expanded metal.	Gasket	Patented double seal SureGrip TPE gasket for end-pans and TPU radial seal for tripod bolt sealing.
End Caps	Patented, 100% incinerable and corrosion-free ABS with spring technology.	Washer	Glass-filled nylon with built-in over-compression indicator.
Outer Liner	External helicord secures the filter element from movement without obstruction to the pulse.	Max Temperature	70°C / 158°F
Pleating	HemiPleat™ technology with hot melt glue beads.	Efficiency Standard	ISO 29461-1:2021

# THE VALUE RATING

The filters you select to protect your gas turbines can have a huge impact on your operations. Low efficiency filters lead to fouling and higher pressure drop that rob your turbines of energy output and cause an increase in fuel consumption and CO<sub>2</sub> emissions. Powered by Camfil, The Value Rating helps gas turbine users easily evaluate the efficiency and quality of gas turbine final filters. Armed with this data, you can quickly compare the impact different filters will have on the performance of your turbines.

The OUTPUT RATING is a projection of the average yearly power output you can expect from your turbines as they will have degraded due to filter pressure drop, as well as fouling caused by particles getting past the filters. The FUEL PENALTY value indicates how much more fuel you must use to compensate for degradation due to fouling and pressure drop.

The CO<sub>2</sub> SAVINGS index compares how many tonnes of CO<sub>2</sub> you could save per TWh of produced power against a T6 (ISO ePM10) 60% filter – a basic, industry-standard entry-level final filter.



Grade	Model	Output Rating	Fuel Penalty (MJ / MWh)	CO <sub>2</sub> Savings (tonnes / TWh)
A+	TurboPulse GTC T10	98.5%	0.7%	16 350
B	TurboPulse GTC T9	94.5%	2.7%	8 400

Compare filters using [www.TheValueRating.com](http://www.TheValueRating.com)



# THE PERFECT FILTER FOR DUST & SNOW ENVIRONMENTS

Certainly, TurboPulse is ideal for environments with heavy dust and snow where frequent pulsing is necessary – and performs better than typical pulse elements in high humidity conditions such as tropical and coastal areas. It has been designed to maintain a low and stable pressure drop, even in the harshest of sandstorms. But even in locations where frequent pulsing is not required, TurboPulse may still be your best option. Thanks to the Aerodynamic shape and TurboVane technology, the low initial and operational dP of the filter insure the lower life cycle cost. So, you can get the efficiency and savings you want and have the option for pulse performance when you need it. In humid environment, the tapered shape along the entire length allow for better drainage and the plastic construction is 100% corrosion-free.

DUST

SNOW



# Camfil Power Systems

## **Camfil – a global leader in air filters and clean air solutions**

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 35+ countries, and about 5,600 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at [www.camfil.com](http://www.camfil.com).

[www.camfil.com/TurboPulse](http://www.camfil.com/TurboPulse)

For further information please contact your nearest Camfil office.

CAMFIL - Clean Air Made for Improving Life