

# Gas Turbine Pulse Jet Air Filter

## TECHNICAL INFORMATION SHEET

Pulse jet air filter cartridge for use as final filter for protecting rotating machinery (eg. compressor, gas turbine, diesel engine).  
 Made from the highest quality materials and designed to pass the stringent requirements of international standards and specifications.

- Cylindrical design
- Nano-fibers media
- Improved resistance to humidity
- Low initial pressure drop - high initial efficiency
- Robust construction - extends the working life
- Very high resistance to burst and compressed air pulsing
- Classification MERV 16

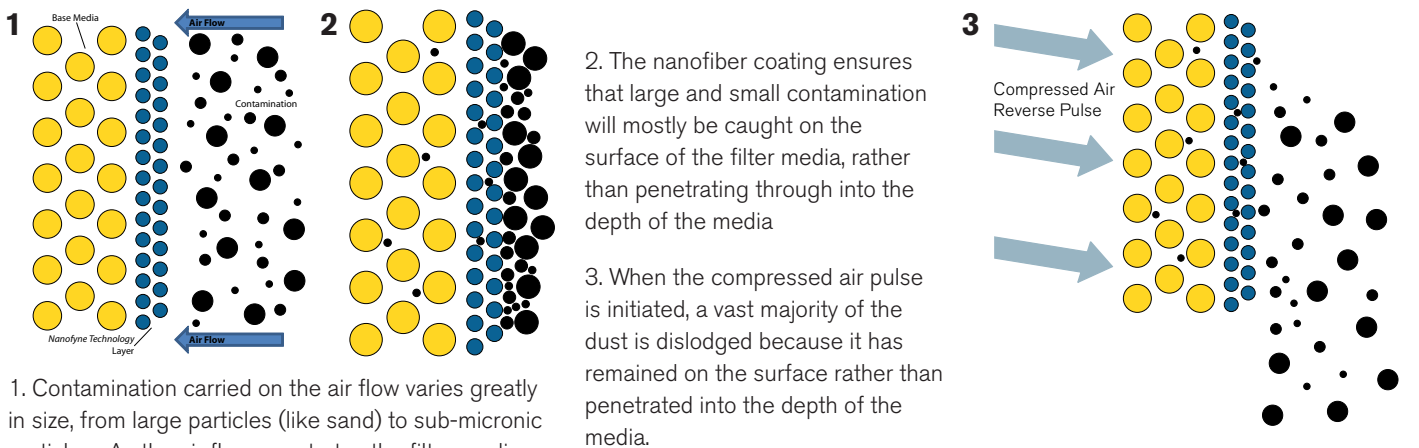


### WITH NANO-FIBER PROTECTION

A major step forward in technology, ensures that these filter elements have the capacity for extended life and lower pressure drop.

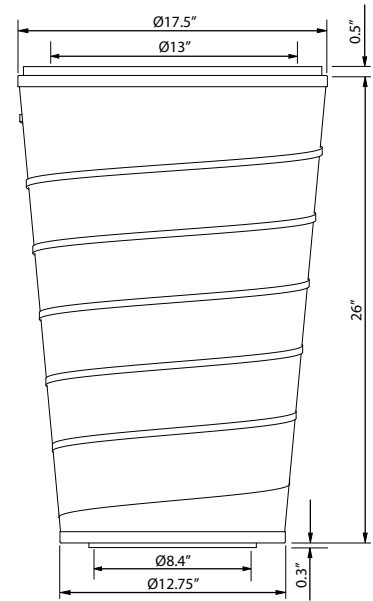
By incorporating ultra-fine fibers in the media, smaller dust particles do not penetrate as far into the filter matrix. Very small particles are often responsible for the premature blocking of a filter element. The pulsing action then finds it easier to dislodge these fine particles and ensures that the filter lasts longer.

In addition, the efficiency of the filter is higher than standard elements. This ensures that less dust reaches the turbine and so helps to extend the maintenance period.



# Specifications

Filter Type	Pulse Jet Air Intake Filter Element (Conical)
Part No.	S65E-010N21
Dimensions	L 660mm (Excluding gasket) x OD 445/324mm x ID 330/212mm
Filter Media	Nanofiber Media
Filtering Area	25 sq.m
Pleat Separation	Dimple pleated to ensure consistent pleat spacing and maximum media utilization. Hot melt beading is provided with special purpose machine to maintain adequate pleat spacing and air passage between pleats.
Inner & Outer Liner	Zinc plated expanded metal with 72% opening area
End Caps	Galvanized CRCS
End Sealing Adhesive	Thermosetting PVC compound
Gasket	Seamless neoprene or EPDM rubber
Design max. Differential Pressure	6225 Pa (635mm WC)
Initial Pressure Drop at Rated Flow	110 Pa (11mm WC)
Initial Efficiency (at 0.4µm)	72%
Rated Air Flow	1225m <sup>3</sup> /h
NaCl Capture Efficiency	> 99.95%
Arrestance on ASHRAE Test Dust	100%
Average 0.4µm DEHS Removal Efficiency	98%
Classification	MERV 16



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