S65E003-N21

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.

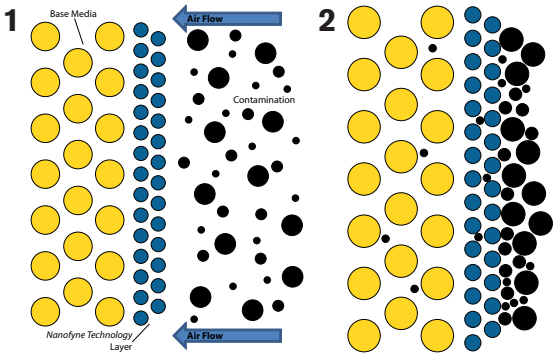
- Cylindrical design
- Nano-fibers media
- Improved resistance to humidity
- Low initial pressure drop - high initial efficiency
- Robust construction - extends the working life
- Very high resistance to burst and compressed air pulsing
- Classification MERV 16

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.

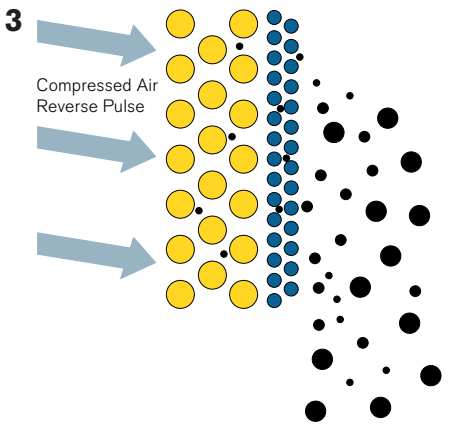
In addition, the efficiency of the filter is higher than standard elements. This ensures that less dust reaches the turbine and so helps to extend the maintenance period.



1. Contamination carried on the air flow varies greatly in size, from large particles (like sand) to sub-micronic particles. As the air flow penetrates the filter media, the particles will be arrested by the nanofiber coating on the surface of the media.

2. The nanofiber coating ensures that large and small contamination will mostly be caught on the surface of the filter media, rather than penetrating through into the depth of the media

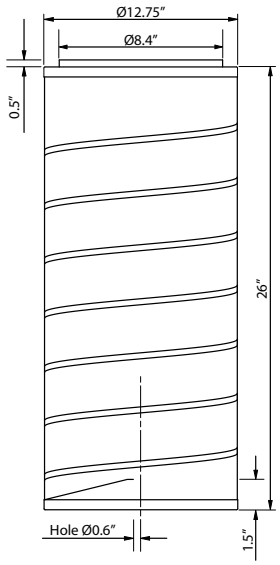
3. When the compressed air pulse is initiated, a vast majority of the dust is dislodged because it has remained on the surface rather than penetrated into the depth of the media.



Dollinger®

Specifications

Filter Type	Pulse Jet Air Intake Filter Element (Cylindrical)
Part No.	S65E-003N21
Dimensions	L 26.0" (Excluding gasket) x OD 12.75" x ID 8.4"
Filter Media	Nanofiber Media
Filtering Area	226 sq.ft
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	25" WC
Initial Pressure Drop at Rated Flow	0.43" WC
Initial Efficiency (at 0.4µm)	72%
Rated Air Flow	600 scfm
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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