



## Inertial Particle Separation Technology



**Donaldson Strata™ Tubes are maintenance-free and extended air filter life when applied to diesel engine intake systems.**

Donaldson developed the first air particle separator system in the early 1960s to protect helicopter turbine engines from sand ingestion. Today, this technology continues to be used on defense equipment and other diesel engine applications that operate in extreme dust conditions.

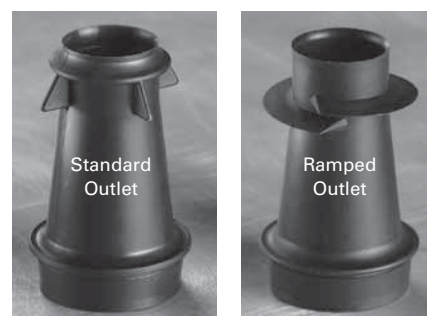


# Solutions to meet your space and efficiency requirements

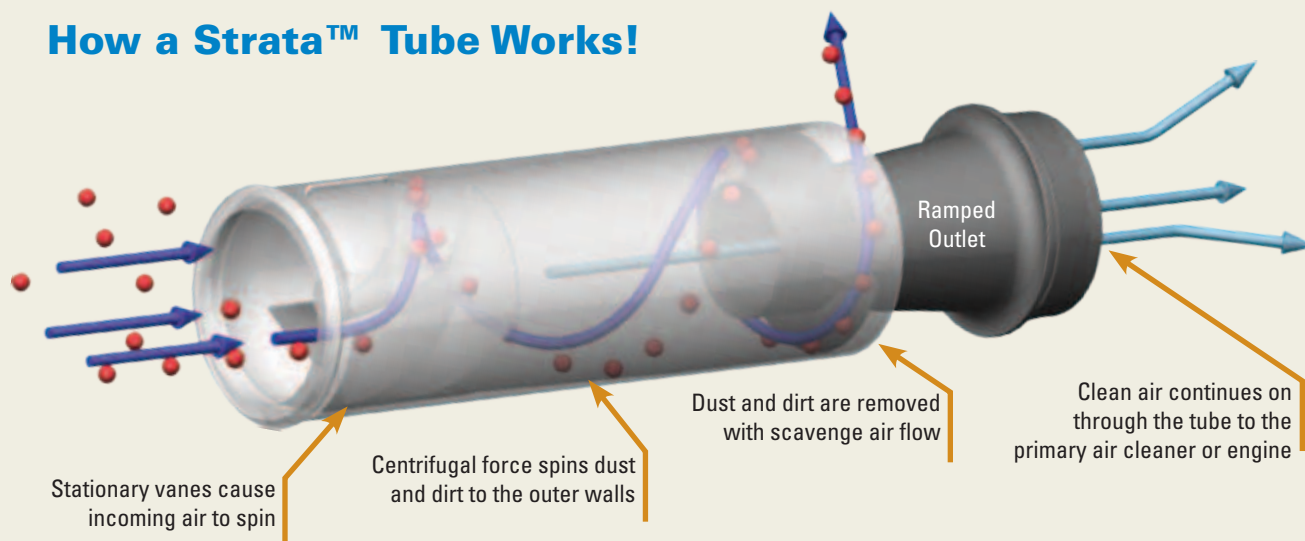
Donaldson Strata™ Tubes are available in several configurations using three sizes and two outlet styles.

The standard outlet is our original design and is still used in several applications. We recently developed an advanced outlet tube, featuring a ramped-style scavenge discharge. The ramped outlet allows high-density configurations, resulting in a reduced inlet area, while maintaining high-efficiency levels. This is ideal for applications where space is at a premium. Compared to the standard style, the ramped outlet tube requires half the amount of scavenge flow for equivalent efficiency. We also have a zero-scavenge model available for applications without a scavenge airflow source.

Our light-weight Strata Tubes have no moving parts to wear out or break. They are self-cleaning and do not require regular maintenance. They offer low airflow restriction with efficient contaminant removal up to 99%.



## How a Strata™ Tube Works!

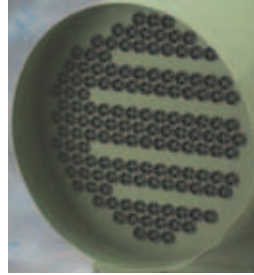


# Donaldson Strata Tube Combinations Offer Configuration and Packaging Flexibility

Donaldson Strata tubes can be arranged either in a single or a series package, depending on the space and efficiency requirements of your application.

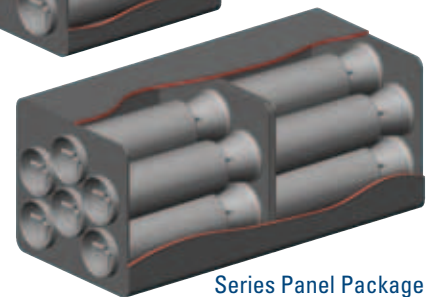
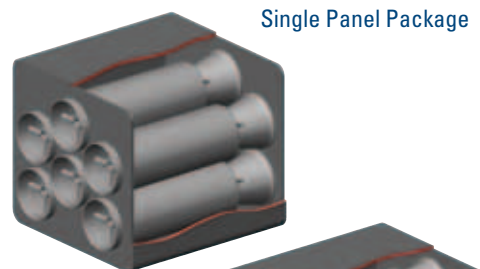
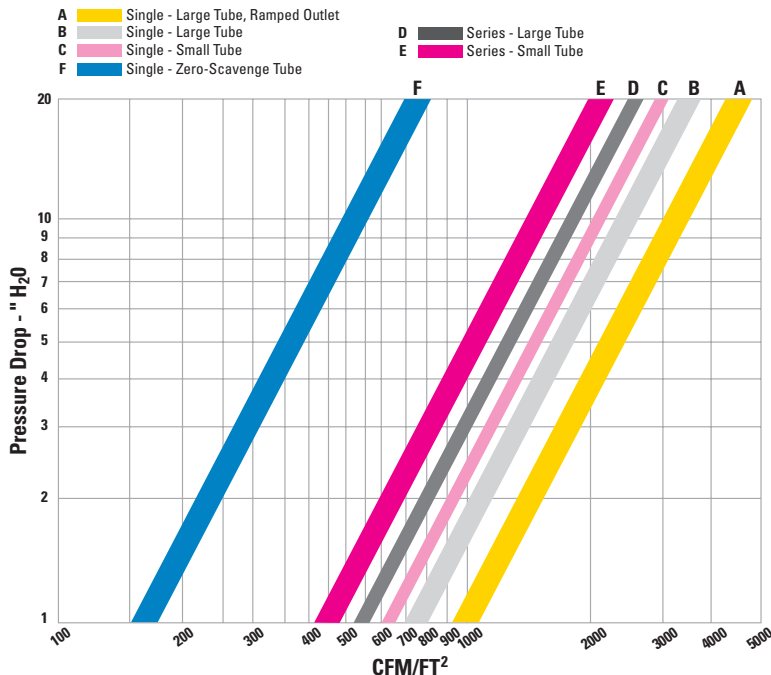
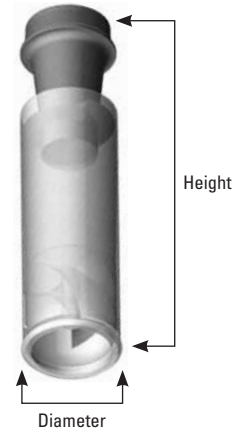
Strata tubes can be easily paired with a variety of other filtration methods to provide a complete filtration system that is light-weight and highly efficient, with minimal maintenance requirements.

Strata tubes can be configured to meet your specific application requirements.



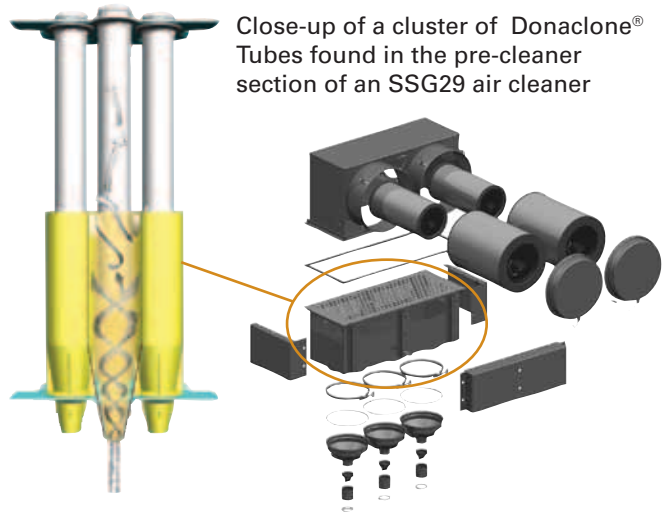
## Strata Tube Specifications

Tube Size and Outlet Style	Dimensions (dia. x height)	Panel Package	Overall Efficiency (ISO coarse dust test)	Scavenge (% of primary airflow)
Small Tube	0.75" x 2.6" 19mm x 66mm	Single	92-96%	7-10%
		Series	95-99%	15-20%
Large Short Tube	1.5" x 4" 38mm x 102mm	Single	88-94%	5-10%
		Series	90-96%	10-20%
Large Long Tube	1.5" x 6" 38mm x 152mm	Single	92-95%	5-10%
		Series	96-98%	10-20%
Zero-Scavenge Tube	1.4" x 3.9" 15mm x 99mm	Single	87-91%	0%



## Donaldson Donaclone® Tubes

Besides Strata™ Tubes, Donaldson has Donaclone® Tubes (right). This style tubes can be found in our large S Series Air Cleaner. Donaclone Tubes are another inertial particle separation device that is proven, reliable and virtually maintenance free.



Close-up of a cluster of Donaclone® Tubes found in the pre-cleaner section of an SSG29 air cleaner

## Donaldson Inertial Particle Separation Applications:

- On-road trucks
- Agricultural Equipment
- Mining Vehicles & Equipment
- Defense Vehicles & Equipment
  - Ground
  - Helicopter
  - Marine



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