



Donaldson®

Filtration Solutions
for Gas Turbines,
Generators, and Compressors

GTR Static Panel Filter System with PowerCore®

PowerCore enables small footprint, provides high-capacity loading

The Donaldson GTR System is a static inlet air filtration system for gas turbines of varying sizes. Designed for low maintenance, it employs our patented PowerCore filter media technology.

Donaldson PowerCore is a unique fluted filter media that provides higher dust-holding capacity than pleated medias, thus providing longer functional life. Because of the flutes, it has superior structural integrity, even in the most humid conditions.

Space-Saving Design

Because filters made of PowerCore handle more airflow than conventional pleated-paper filters, the GTR can be much smaller -- as much as 2/3 smaller! -- than conventional inlet filtration systems.

Very Long-Life Filter Elements

The robust PowerCore filter media, in this system in a spiral design, provides very high-capacity particulate loading -- resulting in long filter life at a sustained low pressure drop.

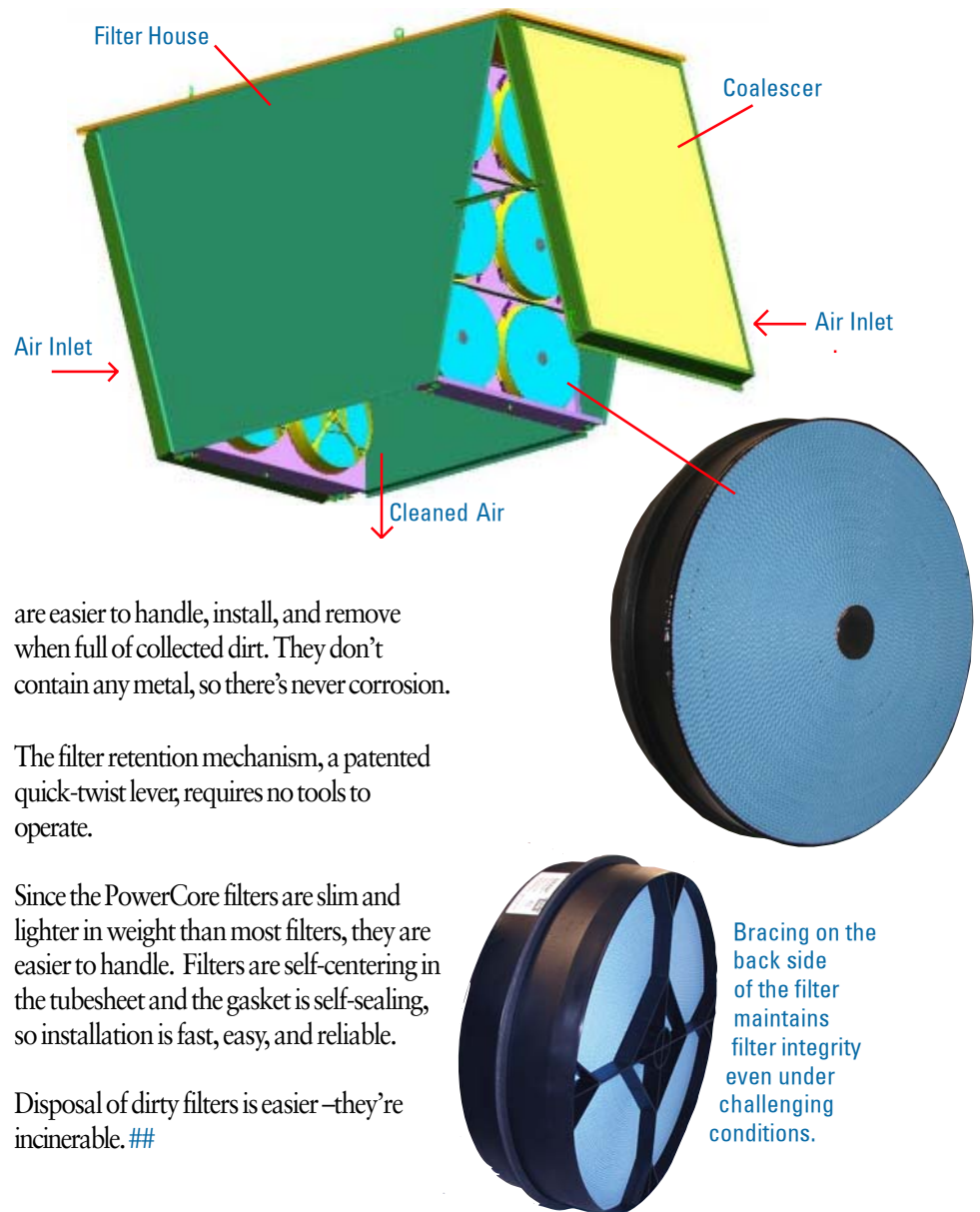
High Efficiency

Choose (a) synthetic media for environments with high hydrocarbon content, or (b) synthetic with Donaldson Spider-Web® nanofiber technology, which protects against particulate less than one micron in size.

Easier Maintenance

Only 7" (178mm) deep, these round PowerCore panel filters are lightweight, so

This CAD rendering illustrates a dual-inlet GTR. Dirty air is drawn through a coalescer, then through the PowerCore filters, which are only 27" (686mm) in diameter. Cleaned air is directed downward into the turbine inlet.



are easier to handle, install, and remove when full of collected dirt. They don't contain any metal, so there's never corrosion.

The filter retention mechanism, a patented quick-twist lever, requires no tools to operate.

Since the PowerCore filters are slim and lighter in weight than most filters, they are easier to handle. Filters are self-centering in the tubesheet and the gasket is self-sealing, so installation is fast, easy, and reliable.

Disposal of dirty filters is easier -- they're incinerable. ##

Bracing on the back side of the filter maintains filter integrity even under challenging conditions.