REVERSE PULSE SELF CLEAN FILTRATION SYSTEM

MUELLER MODEL RPSC

The Mueller RPSC Reverse Pulse Self Clean System provides superior inlet air filtration for gas turbines, fans, compressors, and reciprocating engines requiring a high degree of intake air filtration. The RPSC combines inertial separation with reverse pulse barrier filter technology to more efficiently remove dust and other contaminants, achieving a 99.6% score on AC fine dust when tested in accordance with ASHRAE 52-76 method.

About 70% of the dust, by weight, is removed from the incoming air by an inertial separator circuit before it even reaches the high efficiency filter elements. As a result, the dust burden that has to be retained by, and ultimately removed from, the filter elements by the reverse air cleaning cycle is minimized, allowing longer periods between pulse cleaning cycles significantly extending the life of the filter elements, dramatically reducing down time and maintenance costs.

Like all Mueller products, the RPSC is built to last, featuring all-welded, hot-rolled carbon steel construction, and heavy duty components.

RPSC ADVANTAGES

- Superior two stage inertial + barrier filtration
- Robust construction, field proven reliability
- Significantly fewer filter changes and resulting downtime
- Diminished loading resulting in longer filter life and reduced costs
- Low operating pressure drop

THERE IS A DIFFERENCE

It may be possible to buy cheaper equipment. Our goal is to deliver you the best value – the highest quality at the most reasonable price possible. We engineer our products to deliver optimum efficiency and build them to last. To ensure quality control, our products are manufactured in our own ASME facility outside Houston using heavy duty materials and components to keep your operations up and running with minimum maintenance and maximum lifespan. We don't cut corners.
WARRANTY
Mueller Environmental Designs guarantees to meet contaminant removal criteria, warranties against poor workmanship, material defects, and failure due to improper equipment selection.

REQUIRED PROPOSAL DATA
Because all Mueller equipment is engineered and built for each specific installation, the following information is required for proposals involving RPSC filter systems:

- Type of rotating equipment
- Inlet flange size and orientation
- Intake air flow
- Atmospheric conditions (ambient pressure and temperature)
- Filtering efficiency requirements
- Allowable Pressure Drop

COMPLETE PACKAGE SOLUTIONS
We can provide complete system packages including compatible Mueller equipment, as well as ancillary items such as controls, platforms, skids, ladders, etc.