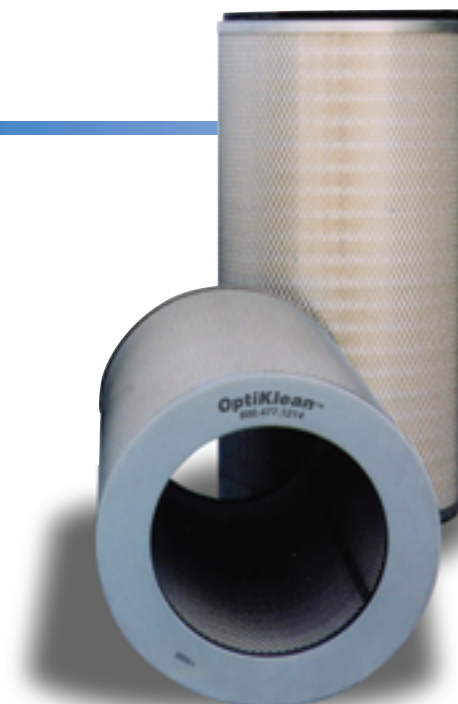




OptiKlean™

*High Performance
Cartridge Filters*



TOTAL SYSTEM APPROACH

Precisely engineered to work with the AAF OptiFlo pulse-jet dust collectors, OptiKlean cartridge filters are part of a total system approach to solving industrial air quality problems. With over 80 years of experience, American Air Filter pioneered many of the original technologies used to control air pollution. This total system approach to advanced filtration technology ensures OptiKlean filters meet the demands of more stringent regulations, allowing the cleaned air to be recirculated to reduce exhaust and energy costs.

RP-531 CERTIFIED HIGH FRACTIONAL EFFICIENCY

Efficient on even submicron, health damaging, fine particulates, OptiKlean filters were tested by an independent test laboratory to meet the highest levels of cartridge filter cleaning efficiency. Certified to exceed NIOSH and OSHA codes for recirculation of plant air, OptiKlean filters provide 99.999% average efficiency on submicron particles with low energy and operating cost. Tests were performed in accordance with ASHRAE RP-531 test procedures.

DURABLE FINEST QUALITY MEDIA

Scientifically developed to collect submicron dust particles, OptiKlean filters are made of a proprietary high strength polyester reinforced media specifically constructed to withstand the rigors of pulse cleaning. OptiKlean media has exceptional burst strength for unsurpassed resistance to abrasion and rupture. Synthetic fibers throughout the media will not disintegrate unlike some meltblown surface bonded media. Consistent, long-lasting performance is guaranteed throughout the life of the media. OptiKlean filters are engineered for energy-efficient continuous operation in harsh industrial environments with excellent dust release.

Designed to operate in industrial environments, OptiKlean media is moisture resistant. The superb blend of synthetic fibers and special hydrophobic resin prevents absorption of moisture while maintaining a low pressure drop, high dust holding capacity, and superior airflow. OptiKlean filters are also available in flame retardant media, high-temperature media, and conductive media to reduce the effects of static build-up.



OptiKlean filters eliminate dirty air bypass with an integral gasket.

AmericanAirFilter®



BUILT TO EXACTING SPECIFICATIONS

The OptiKlean cartridge filter was specifically engineered to ensure media pack integrity and maximum surface area. Galvanized steel end caps are bonded to the media to form a solid assembly. Pleat lock stabilization ensures uniform spacing between the pleats and superb dust release during pulsing. Corrosion-resistant steel screens hold the pleated media rigidly in place to minimize flexing during reverse pulse mode. With only one gasket sealing surface, the possibility of dirty air bypass is significantly reduced.

Manufactured to exact standards, each component of the OptiKlean filter was selected based on providing outstanding performance and value.

AAF WORLD-CLASS QUALITY

OptiKlean cartridge filters are fully inspected throughout the manufacturing process from incoming raw material to finished goods. OptiKlean filters are individually inspected prior to shipping. To prevent damage during shipping, all OptiKlean filters are individually packaged with protective inserts. All OptiKlean filters are guaranteed to meet rated performance standards based on industry accepted test procedures. Details available upon request.

OPTIKLEAN FILTER REPLACEMENT

Only genuine OptiKlean cartridge filters are recommended for AAF OptiFlo dust collectors. OptiKlean filters are engineered to work with OptiFlo dust collectors for optimal performance and extended filter life. Easy to install, filter replacement is performed outside the OptiFlo unit.

AAF recommends regular monitoring of pressure drop and inspection of exhaust air. Filter replacement is necessary when pressure drop increases to levels above what is recommended in the OptiFlo installation and operation manual. This is usually in the 4" water gauge range. Frequency of filter replacement will vary based on the type of dust, particle size, dust load, and air volume.

THE OPTIKLEAN ADVANTAGE

- ✓ Backed by AAF service and technology
- ✓ Keeps standard warranty terms intact
- ✓ Enhances OptiFlo dust collector performance
- ✓ Provides healthy in-plant air
- ✓ Exceeds NIOSH and OSHA codes
- ✓ Tested to ASHRAE RP-531 standards
- ✓ Strong polyester reinforced media
- ✓ Moisture resistant
- ✓ Engineered for rugged industrial environments
- ✓ Low pressure drop reduces energy costs
- ✓ Excellent dust release
- ✓ Long-lasting cleaning efficiency
- ✓ AAF quality at discount pricing
- ✓ Wide range of media options available

RP-531 PERFORMANCE DATA*

Particle Size	OptiKlean Efficiency %
0.8 microns and over	99.999%
0.5 < 0.8 microns	99.998%
0.4 < 0.5 microns	99.996%
0.3 < 0.4 microns	99.995%

* An independent test laboratory has tested and certified the fractional efficiency of OptiKlean filters operating in an OptiFlo dust collector. The filters were subjected to continuous pulsing while atomite dust was injected based on ASHRAE RP-531 test procedures. The particle count was measured after 350 hours. Fractional efficiency is the ratio of the number of particles captured by the filters compared to the number of particles entering the dust collector. Actual efficiency will vary depending on the specific application.



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