Air Filtration and Dust Collection Products and Systems

MikroPul’s blend of experience, product line depth, technology, and global resources make us uniquely qualified to turn your toughest emissions control, gas cleaning, or product recovery requirements into properly executed, commercially reliable solutions.

With over 200,000 installations under our belt, we’ve probably tackled a problem very similar to yours. Our focus is serving each customer’s needs whether these be a new system, existing system upgrades, routine maintenance, or replacement media.

Mikro-Pulsaire® Pulse Jet Filters
MikroPul invented the first Pulse Jet dust collector in 1956 and has since installed more than 160,000 systems. Our comprehensive applications database allows us to review similar applications so we can recommend the best, proven solution for your operation. Mikro-Pulsaires are available as small bin vents, modular units, cylindrical designs, and large multi-section systems including the K/LP low pressure collector for cement kilns. Our patented Advantaflow® inlets can greatly improve performance, providing savings on capital equipment, operating expense, and maintenance over the life of the equipment. Our Long Bag™ technology provides greater capacity from the same footprint.

Reverse Air Collectors
MikroPul reverse air collectors are very effective for various applications involving extremely fine dust where low outlet emissions are required. Bags are cleaned by reversing the airflow and blowing air back through the fabric. The simple cleaning design involves few moving parts resulting in low maintenance, low operating costs, and extended bag life.

Cartridge Collectors
Our patented MikroFlo™ horizontal cartridge collector’s superior design provides improved efficiency and longer filter life in a compact, easy to maintain package. These collectors can be used for numerous applications including: pharmaceuticals, minerals, weld shop fumes, food, powdered paint, specialty chemicals, toner, plastics, and glass. For product recovery or nuisance dust collection.

Continuous Cleaning Reverse Air Filter
Widely used in the wood and grain industries, the RAF II, engineered by Pneumafil, combines cyclonic separation with bag filtration to accommodate high dust loadings. It features a unique, simple cleaning system incorporating an integral fan and manifold which continuously rotates above the filter bags.

The RAF-IS model, for explosive dust, is designed to be the safest collector available.

Cyclones
MikroPul High Efficiency Cyclones are the most cost-effective solution for separating dry particulate (5 microns or larger) from gas streams. With more than four decades of experience in research, design, and successful commissioning of cyclones, we have the expertise to select the appropriate design to meet the most demanding needs of any application in the industry. MikroPul Cyclones feature robust construction for long term, trouble-free service. Careful design results in high efficiency at low pressure drop to keep operating costs low.

Wet Scrubbers
MikroPul has been a pioneer worldwide in providing wet scrubbers to solve air pollution control problems for over 40 years. We offer five standard designs to meet almost any requirement: 1– Vaned scrubber with no moving parts; 2– Dynamic scrubber with integral fan; 3– High efficiency venturi scrubber; 4– Multi-venturi scrubber; 5– Packed towers for gas absorption. In addition, we can provide these in several configurations and a full range of sizes. Our scrubbers can be supplied in carbon steel, plastics/FRP, or exotic stainless steels.
Pleated Belt Filter (Pneumafil engineered)
Used for air streams containing fibrous dust, the MikroPul Pleated Belt Filter (PBF) is a patented, revolutionary design that combines high capacity pleated media with high efficiency suction cleaning. The result is a high efficiency self-cleaning filter offering more capacity for its size than any other filter on the market. For the first time, thorough automatic cleaning of agglomerated fibers and dust out of dense pleated high efficiency filter media is possible. The PBF is preassembled on a steel base and prewired, including controls, for quick, simple installation. Especially suited for light, fluffy particulate.

Fine Dust Filter (Pneumafil engineered)
The FDF is a compact collector for collecting dust stripped from the PBF and other filters where the media is cleaned by suction. This special combination cyclone and pulse-jet filter is especially suited for light, fluffy particulate.

Controls
MikroPul offers a variety of control and diagnostic instruments to serve every need from simple to sophisticated. Products include Timers, Leak detectors, Dust Gauges, and Non-Clogging Pressure Transmitters. Our PulsePro™ Control and Monitoring System sets a new standard for dust collector control: pulse timing, pressure gauging, leak detection, and other measurements such as fan amps are seamlessly integrated into a single, easy to use device.

Filter Media And Cages
MikroPul offers high quality filter bags (conventional and pleated), cages, venturis, clamps, and tensioners for all types of bag filters, and many sizes and types of filter cartridges. Patented Pop-Top™ bag/cage assemblies change out in about half the time. Our Deep Pleat cartridges, featuring patented MikroBoss™ media, greatly increase effective filter area.

Parts and Service
Because we know your equipment and the technology behind it, MikroPul is your best resource for replacement parts and field services. We carry a full line of parts from gaskets and hinges to valve repair kits to major components. High wear items are kept in stock for immediate shipment.
MikroPul continues to design products to improve performance and simplify maintenance, such as our recently introduced MikroFix™ clamp. MikroFix replaces traditional couplings for pulse jet filter blow-pipes, greatly reducing baghouse filter maintenance time and costs.
MikroPul provides an array of services to help you select, install, operate, maintain, and maximize your equipment investment. Services include complete systems evaluations, equipment refurbishing and rebuilding, routine maintenance, and technical and maintenance training.

MIKROPUL
Nederman
1-800-892-7278
info@mikropul.com
www.mikropul.com