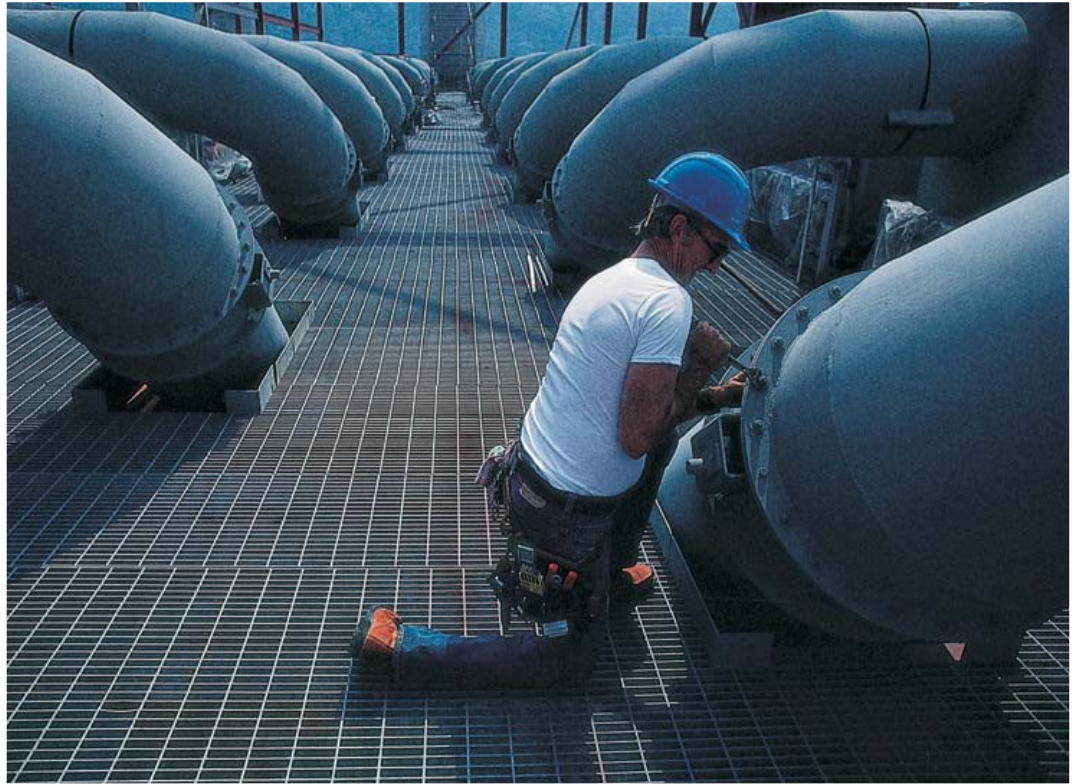


REPAIR, UPGRADE AND MAINTENANCE SERVICES



MIKROPUL

DRY FILTRATION
WET SCRUBBERS
CYCLONES
WET ELECTROSTATIC
PRECIPITATORS

BREATHE NEW LIFE INTO YOUR OLD DUST COLLECTOR OR WET SCRUBBER

- High differential pressure
- Short filter media life
- Dust or gas leaks
- High compressed air usage in pulse-jets
- Emissions control system capacity is limiting production
- Noncompliance with new regulations

These are among the types of problems MikroPul can help you overcome. Sometimes, a new dust collector or scrubber is the only answer. But more often, your problem can be solved through an upgrade or by merely changing the type of filter media you are using.

MikroPul Offers Many Solutions

We'll rebuild, upgrade, or maintain any make or model unit to reduce downtime, improve performance, and save you money. If your dust collector is time worn, or has suffered damage from accident or the elements, our Field Service team can give it new life and value.

With the world's most complete base of knowledge for dust control, MikroPul knows what to do to provide a quality, practical solution to your problem. Our knowledgeable, highly skilled technical professionals will work with you to improve your operation. We guarantee satisfaction with the work we perform.

Our Field Service team can be on your site at your convenience, 24 hours a day, 365 days a year.



Our crews are available to meet your emergency needs.



A MikroPul service team stripped this baghouse to its frame, then rebuilt it to new-equipment specifications in half the time and at half the cost of a new unit.

Typical Services

MikroPul can provide the following services timed around your downtime schedule, if necessary.

All Dust Collectors and Wet Scrubbers:

- Inspections / troubleshooting
- Refurbishments
- Routine maintenance
- Process analysis
- Technical training
- Maintenance training
- Multi-venturi rod deck additions (wet scrubbers only)

All Baghouses and Cartridge Collectors:

- Media upgrades
- Inlet conversions
- Improved controls / monitoring devices
- Media changeouts

All Baghouses:

- Tubesheet replacements

Pulse-Jet Baghouses:

- Conversions from dirty side to clean side entry
- Walk-in plenums

Shaker collectors and Wet Electrostatic Precipitators:

- Conversions to pulse-jet collectors

Maintenance Contracts

Increasingly, companies are finding savings by subcontracting filter system maintenance to specialists like MikroPul. Our experienced service crews are trained to carry out maintenance tasks quickly and efficiently. Plus, you can budget a fixed filter maintenance cost for the term of the contract.

A MikroPul service contract can help keep your emissions control or product recovery system operating at top efficiency and uncover potential problems that could cause unexpected production upsets.



Service personnel changing out bags in a reverse air collector.

NEW TECHNOLOGY THAT CAN UPGRADE YOUR COLLECTOR'S PERFORMANCE

In the last 10 years, new developments in filter media, inlet technology, and controls have offered significant gains in collector performance and measurement accuracy. MikroPul can put these advancements to work for you.

Advantaflo™ Inlet Technology

Patented Cascadair™ and Expandiffuse™ effectively distribute air flow evenly to the filter media. Expandiffuse also reduces air velocities over 90%.

- Longer bag life
- Lower pressure drop or significantly increased capacity
- Dust reentrainment reduced or eliminated
- Overall better filter performance

Retrofits:

- Cascadair— any dust collector with a hopper inlet
- Expandiffuse—non-cylindrical pulse-jet or cartridge collectors.

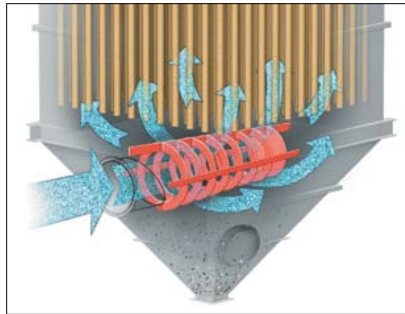
PulsePro™ and Mikro-Charge™ Dust Control, Monitoring, and Diagnostic Instruments

These instruments meet all MACT and other federal, state, and local regulations when properly configured. Used on any pulse cleaned dust collector.

- PulsePro Controller integrates pulse timing, pressure gauging, leak detection, and other measurements into a single, easy to use device.
- PulsePro Non-Clogging differential pressure transmitter gives more accurate readings, reduces compressed air use.
- Mikro-Charge leak detectors and mass concentration monitors are very reliable and easy to use.

Mikro-Pleat™ Pleated Bags

- Twice the cloth area of conventional bags
- Durable, moisture resistant spunbond polyester media is more easily cleaned and 99.99% efficient.
- Bag and cage are integral, reducing changeout time.



Cascadair hopper inlet.



PulsePro dust collector control panel



Mikro-Pleat pleated bags



Pop-Top bags and cages are installed in 3 simple steps. The seal is created when the installer steps on top of the cage. Removal is also quick and easy.

Pop-Top® Bags and Cages

Innovative bag collar and cage designs that provide a leak-free seal which is easily released during changeout. Costs no more than snapping bags/cages. Available in felted and pleated bag designs, and cages with or without venturis.

- Changeout takes about half the time of snap-band bag designs, reducing maintenance cost and exposure.
- No more stuck bags and cages.
- No clamps to deal with.
- Bag and cage can be removed together or separately.

Retrofits:

Fits any MikroPul or competitive pulse-jet collector with 5", 5 1/16", 5 1/4", 6" or 6 1/4" tubesheet holes (close tolerances required for a tight seal).

Deep Pleat Cartridges Using MikroBoss™ Technology

Patented MikroBoss media uses staggered dimpling on the filtered side to prevent collapsing of pleats under operating pressure, allowing deeper pleats (1.94" versus std. 1.25").

- Much higher effective filter area lowers pressure drop or can increase air flow more than 50%.
- Surface loading media provides superior pulse cleaning.
- Available in spunbond and spun-laid polyester and polypropylene, as well as PTFE membrane, Nomex®, and antistatic media.



Deep Pleat cartridges feature patented dimpling technology to increase filter area

PARTS AND MEDIA SUPPORT

MikroPul carries a full line of replacement parts and filter media, and keeps most-used items on the shelf for immediate shipment. Our Customer Service specialists will help you make the right choices. Common items available include:

- Filter bags and related hardware
- Blow pipes
- Diaphragm valves and repair kits
- Solenoid valves and repair kits
- Differential pressure gauges
- Fans
- Rotary airlocks and replacement vanes
- Access doors
- Explosion vents
- Vent valves
- Acoustic horns
- Hopper vibrators
- Vacuum systems
- Screw conveyors



Filter media and hardware



Rotary airlock



Pulse-jet diaphragm valves



PulsePro Non-Clogging differential pressure transmitter

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