

MikroPul  
Bag Filters

MikroPul invented the Mikro-Pulsaire Dust Collector (the first bag filter with Pulse Jet cleaning) and has been installing since then more than 150,000 systems worldwide. Mikro-Pulsaire Dust Collectors are in either case built to the application and customer's needs. They are available in various designs and different types or materials, compliant with all relevant industrial standards.

**Applications:**

- Panel or cylindrical units
- Pressure resistant, pressure shock resistant or non-pressurized designs
- Vertical or horizontal arrangement of filter bags or elements
- Bag replacement from either clean or dirty side of the tube sheet
- Flexible or rigid filter elements
- Operating pressure range from vacuum (-1 bar) to more than 50 bar
- Operating temperatures up to more than 500°C



MikroPul  
Wet - Pulsaire®

The patented Wet-Pulsaire® is a wet operated bag filter, combining the bag filter and the wet scrubber principles and advantages in one unit.

**Applications:**

- Dedusting of wet, condensable off-gases and steams
- Separation of oily and sticky products
- Separation of aerosols

**Gas absorption:**

- Removal of gaseous components like SO<sub>2</sub>, HCl, HF, H<sub>2</sub>S, Cl<sub>2</sub>, NH<sub>2</sub>
- Odour removal



MikroPul  
Paraflo® - Cartridge Filters

Paraflo® Cartridge Filters offer a favourable alternative to bag filters, if less space, quick replacement of filter elements and easy access are required.

**Advantages:**

- Easy horizontal cartridge installation
- Pre-separation of coarse particles in filter inlet area
- Even air flow distribution causing longer cartridge life
- High efficiency cleaning with low compressed air demand
- Modular design



MikroPul  
PBF Pleated Belt Filters

MikroPul provides the Pleated Belt Filter (PBF) for high efficiency separation of fiber/particle compounds, a patented rotating belt filter. It consists of a number of filter cells determined by the air/gas volume. Each cell consists of an endless pleated media belt looped between two drums.

**Advantages:**

- Compact size at high air volumes
- Various filter media available for optimized, highly efficient fiber/dust separation





A wide range of MikroPul Wet Scrubbers offers specific solutions for a variety of applications.

- Venturi Scrubbers
- Cyclone Scrubbers
- Rotary Scrubbers (single-stage or multi-stage)
- Packed Towers (for absorbing gaseous impurities)
- with fixed or adjustable venturi throat
- vertical or horizontal execution

MikroPul designs and supplies high performance cyclones for common dust collection applications covering all products and process conditions. Special versions are available for

- Abrasive products
- High temperatures

MikroPul Wet Scrubbers  
MikroPul Cyclones



The Wet Electrostatic Precipitator WEP-T is a high efficiency collector to separate finest solid and/or liquid particles.

**Advantages of Wet Electrostatic Precipitator:**

- Excellent separation efficiency even of sub-micron particles
- Low energy consumption and operating costs
- High capacity and compact design
- No build-up of particles on electrode surfaces

MikroPul  
Wet Electrostatic Precipitators



Besides different specific units MikroPul offers complete dust collection and gas cleaning systems. On the basis of detailed process and technology know-how, engineered plants and equipment are available as turn-key systems upon request.

MikroPul provides profound experiences in the field of gas cleaning of HC-, HF-, SO<sub>2</sub>- and HCl-laden flue gases. We recommend our Dry Scrubbing Systems, if necessary combined with other MikroPul components like gas coolers or condensation electrostatic filters.

MikroPul  
Systems



For maintenance, upgrading and optimization of existing dust collectors (also from other manufacturers) MikroPul offers all relevant hardware components as well as technical staff services.

We supply original MikroPul parts, filter bags, bag retainers and cartridges. We inspect filtration plants as individual orders or within the scope of service contracts. This relieves the customer from routine checks and maintenance works.

MikroPul is specialized in plant optimization and refurbishment, e.g. plant extensions.

Contact our expert technicians!

MikroPul  
Services