MIKROPUL

Nederman

For over 80 years, Nederman MikroPul has been a pioneer and world leader in air pollution control equipment technology to solve the most stringent air pollution control problems.

MIKRO-PULSAIRE® Pulse Jet Dust Collectors

Nederman MikroPul invented the first pulse jet dust collector in 1956 and has since installed more than 250,000 systems. MIKRO-PULSAIRE® are available as small bin vents, modular units, cylindrical designs, and large multi-module Nederman MikroPul has successfully supplied equipment to various industries around the world, including:

Square and Rectangular Dust Collectors

The original MIKRO-PULSAIRE® collector is available with 9 bags up to 1000 bags for a full range of airflows. Dozens of options allow these standard units to be configured to your application or even custom-designed to meet your space constraints.

Round Dust Collectors

Applications requiring stronger construction call for round collectors that can handle high pressures (ASME Code) and full vacuum (receiver) design. Nederman MikroPul has been an innovator in this field for decades.

MikroPul Type W

This unique design was developed for the Wood industry, but has proven to be the best choice in many other applications including insulation, gypsum, paper, and fluff pulp. The high involute inlet acts as a cyclone, separating out heavier particles, so only fine dust particles are collected on the filter bags.

Multi-Module Dust Collectors

Nederman MikroPul supplies multiple module treatment systems generally for larger projects in the 100,000 CFM to 1,500,000 CFM range. Complete systems can be provided to include everything from the pollution source through stack. Most of these projects are custom engineered to suit individual needs. 3D engineering is often used as an efficient means of executing complex systems.

Continuous Cleaning Reverse Air Dust Collectors (Pneumafil)

Widely used in the wood and grain industries, the RAF-II 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.

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Cyclone Collector

Nederman MikroPul High Efficiency Cyclones are the most cost effective solution for separating particulates from the gas stream for air pollution control or for product recovery. We offer a variety of Cyclone arrangements to meet your space and efficiency requirements. Our experience includes very high pressure / high temperature / high efficiency design.

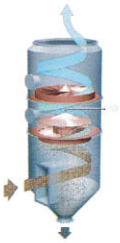
Dynamic Scrubber

This unique scrubber design offers the most compact design. It utilizes a wet fan to create fine water droplets to get impaction, interception and diffusion to collect particulates. Besides being the most compact, this scrubber also uses the minimum water rate of any other scrubber design. Dynamic scrubbers can handle light loading as well as high particulate loading.

Venturi Scrubber

Nederman MikroPul's traditional venturi scrubber is unique with open-pipe liquid inlets. This design avoids plugging issues involved with other scrubbers. Venturi scrubber can be designed from 8" WC to 100" WC pressure drop and can get very high efficiency for sub-micron particulates.

Mikrovane Scrubber



Nederman MikroPul Mikrovane scrubber is a very well-proven design and it has been used for various applications for particulate size 3 micron and larger. 99% efficiency can be achieved with this scrubber.

Gas absorber and Two stage scrubber

Nederman MikroPul Packed bed absorber is a unique design for absorption of gaseous pollutants such as NH3, HCl, SO2, HF, HCN, H2S, etc. We have a unique design of two stage scrubber to handle multiple tasks in one scrubber to minimize space requirement and also to reduce installation and operating costs. Our two stage scrubber can cool the hot gas, remove the particles and absorb gaseous contaminant in one scrubber. Various materials of construction are available including FRP, SS304, SS316, Mild steel, Hastelloy-C276, and Incolloy.

Industries served

Nederman MikroPul has successfully supplied equipment to various industries/processes around the world, including:

Aluminum
Battery manufacturing
Cement and rock
Chemicals
Coal Combustion
Drying and cooling
Gasification
Fertilizers
Ferrous and non ferrous metal
Fluid bed reactor
Foundries
Incineration
Iron ore
Kilns and calciners
Mining
Petrochemical
Pulp and Paper
Rock products
Steel
Waste water treatment
Wood

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