

Towards a cleaner future!

Keeping pace with the increasing demands for efficient industrial purification systems, MIAB systems are more requested after than ever before.

The reasons behind our success are easily explained. We supply systems that are custom made to meet customer's individual needs, systems that use eco friendly technology to effectively and efficiently remove voc from process air. Our systems are easy to operate and maintain and at the same time have low energy consumption levels.

Competence

MIAB possesses all of the skills required to meet a customer's needs, covering process technology, manufacture, erection and start up of its plants. This gives confidence to the customer that MIAB can carry the project through from order to a commissioned and approved plant.



Service

Many of MIAB's customers like a continued contact even after the plant take over. Each unit is provided with remote control, and can be operated by either the customer or MIAB to achieve the optimum level of operation. The operating parameters are simultaneously recorded for the customer's files and for the provision of the necessary reports to the environmental regulatory authorities. This feature gives the customer full control and complete reliability.

Each plant supplied by MIAB comes complete with the design and operating expertise gained by MIAB from a wide experience in the industry. Experience that makes it possible to reach what both we and our customers strive for: A cleaner future!



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MIAB
purifies air from solvents

MIAB The environmental and Technological Company

We manufacture equipment that cleans air of solvents (VOC*) through a process that combines a high degree of purification with a low level of energy consumption.

Our process is patented and combines activated carbon filters with catalytic oxidation.

Our experience is based on many years of production within the industry. The company was established in 1989 and has been on the forefront for development of industrial air purification systems ever since.

Our systems are designed for air purification in a great number of applications.

Examples of applications are:

- Chemical industry
- Paint industry (metal, wood, plastic, etc.)
- Processes using styrene and acetone from fibreglass-reinforced plastic
- Paint and glue manufacturing, etc.

* Volatile Organic Compound



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MIAB - PRODUCTS FOR A CLEANER ENVIRONMENT

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MIAB FD

This type of purification system is suitable for large air flows with relatively low concentrations of solvents.

The system consists of two units:

- An adsorption unit with activated carbon filter and main fan.
- A catalytic oxidation unit.

Purification takes place in two steps:

1. The air is purified and the solvent is concentrated in the carbon filter

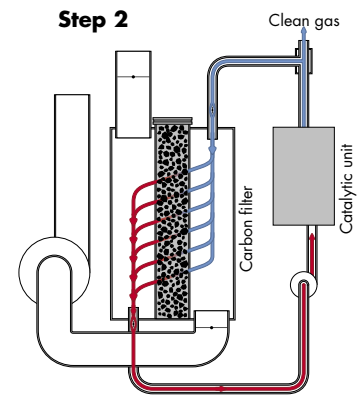
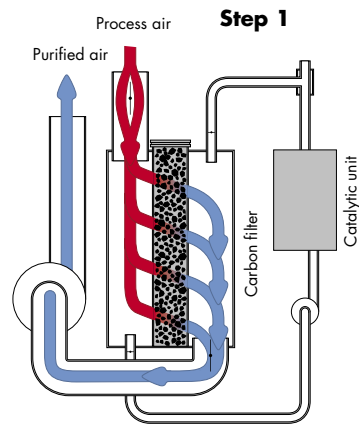
When the system is started, the main fan draws the contaminated air through the carbon filter. The solvent is adsorbed in the activated carbon and the air is purified.

The speed of the main fan is automatically adjusted according to the emission points that are currently connected to the system.

2. Destruction of the solvent in the catalytic unit

When the filter becomes saturated, the carbon filter is regenerated with hot gas desorption from the catalytic unit. During continual operation, a second carbon filter is connected for adsorption.

During the hot gas desorption of the carbon, the voc becomes concentrated in the gas due to the fact that the gas flow is substantially smaller than the original process air flow. This concentration is very important in order to achieve a low level of energy consumption during combustion of the solvent.



MIAB F

Purification of process air with activated carbon. This system is suitable for relatively small air flows and small amounts of voc.

The process air passes through a filter containing activated carbon. The activated carbon is replaced when it becomes saturated with voc.

Normal carbon replacement frequency is 1-2 times per year.



MIAB F



MIAB D

MIAB D

A purification system where the process air is purified by means of catalytic oxidation. This system is suitable for small process air flows with a high concentration of voc.

The system consists of a heat exchanger, a start heater, a fan and an oxidation unit.



MIAB F, Orregent AB in Gislaved.



MIAB FD, Hallberg Rassy in Kungshamn



MIAB FD, Väderstad-Verken AB.



Catalytic unit, MIAB FD, BorDörren.



MIAB FD, Volvo in Hallsberg.



MIAB FD, Marmite in Poland.



MIAB D delivered to EMO in Germany.



Manufacture of system for SnickarPer in Värnamo.



MIAB FD delivered to Magneti Marelli in France



ABB in Figeholm.