

# **FILTERCUBE varioCube**

Central or mobile vacuum system for up to 12 working places  
simultaneously



***We set air in motion***

**TEKA**



## Description

The extraction and filter unit is specially designed for use in large parts welding shops such as in steel welding or in shipyards. It combines compact size and rugged design with maximum flexibility and ease of use.

The advantages of this self-cleaning filter system are the optimal cleaning performance (high cartridge lifetime, high suction performance), ease of use and low maintenance.

The casing is made from a solid steel construction with an external primer and paint - the

interior is primed. The individual plant areas are equipped with easy-maintenance doors or filler panels to perform an optimal and fast maintenance. The cabinet doors can be opened with a conventional cabinet key.

The filter systems are equipped with filter cartridges of the filter category BIA M. These cartridges are precoated ex works with a special filter medium. By this method, the filter longevity is considerably increased, compared to standard filter cartridges.

The facilities include a specially designed cleaning system, which consists of the combination of a Siemens control unit (S7) and the POWER-SPRAY SYSTEM. This combination provides a very good cleaning behavior of the filter cartridges so that an optimal suction is ensured during the entire operation. The advantage of this system is not only its low maintenance construction, without abrasion susceptible rotating jets, but also in the low requirement of dedusting pressure. The controller is delivered completely preset ex works.

If control parameters are to be changed this can be done via the Siemens S7 menu navigation with an external control unit. This control unit is then connected to the Harting interface. This control unit is not included and can be purchased separately. Set parameters can be retrieved or changed only by means of the control unit.

In the filter system the differential pressure of the filter, and the negative pressure on the clean air side is measured. The filters are continuously monitored. Upon reaching a preset differential pressure, there are pulses given to the individual solenoid valves. The solenoid valves open for a short time and quickly pump pressure air into the filter cartridge from the clean gas side. The dust particles (dust cakes) on the opposing, raw gas, side are dissolved and fall into the dust container. This cleaning process is repeated until a preset lower switching value is reached. In addition, the cleaning can also be started after certain time intervals or manually. On error a red indicator lights up.

The complex has an on-off switch as well as an emergency stop switch and is delivered including an appliance coupler.



## Technical Data

Max. volumetric flow of the fan [m<sup>3</sup>/h]: 2.000

Max. pressure [Pa]: 10.000

Height [mm]: 2.900



Width [mm]: 800

**Prod.No. 9501442110201 FILTERCUBE varioCube**

**Price on request\***



\*Plus VAT and postal charges dependent on delivery country and quantity. **Free Shipping within Germany**

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## Notice

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

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