

## **INTRODUCTION OF MULTIFLOW PLENUM SYSTEM. IN COMPLIANCE WITH NFPA REGULATIONS.**

**AireWorks Solutions is proud to introduce our MULTIFLOW Plenum to the North American Market.**

**We are excited to bring this solid and internationally proven system to the market, at a price point that will positively surprise. Important features included:**

- **ECONTROL system for fully modulated fan speed for optimum energy savings.**
- **High flexibility for relocation of machinery without major ductwork changes.**
- **Pre-separation of coarse dust with reduction of wear and tear on dust collection system.**
- **Made in heavy gauge ASTM-G90 high grade galvanized steel.**
- **Drag chain for material transport – only 3HP power consumption.**

# Dust, mist and material air handling products

... by professionals for professionals

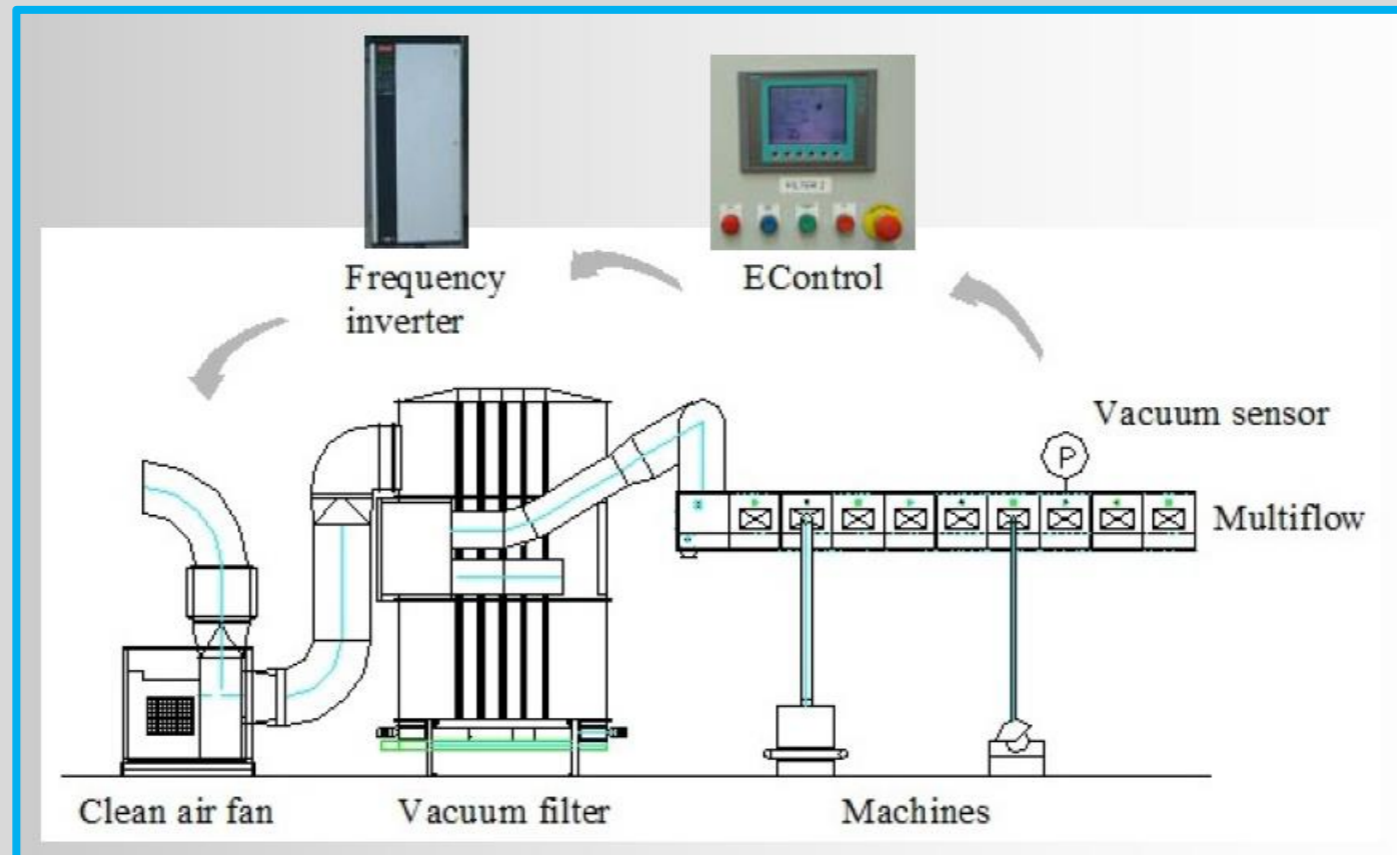


AireWorks Solutions Multiflow channel is a vacuum manifold, which ensures constant suction from all machines at all times. Pressure in the channel is kept constant by speed-controlled fans. The speed of fans is regulated automatically, to suit the required exhaust, thus reducing the energy consumption to an absolute minimum.

The combination of our modular pipe system and Multiflow system, results in an unprecedented flexibility in layout, where machines can be relocated, removed or added without the need to modify main pipes or other main components.

The combination of our vacuum filtration technology, where high efficiency fans are used and our EControl technology, with the Multiflow channel, result in a reduction of energy consumption by up to 50%

## EControl - energy savings



Traditional dust collector systems consume a lot of energy. Our filter technology is based on vacuum filters, where clean air fans with efficiencies of more than 80% are used.

By using variable speed drives on all fans the airflow can be reduced or increased depending on the demand from the production floor.

AireWorks Solutions's EController monitors the pressure in the Multiflow channel or in the main ductwork and automatically modulates the speed of the main fans. When machines are not in use, they are isolated by a valve and the control system automatically reduces the airflow in the system by reducing the fan speed thus saving energy costs.

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Beside optimized flexibility and reduced energy cost, the Multiflow channel functions as a pre-filter, where up to 80% of the exhausted dust is separated in the channel. Only very fine dust escapes to the dust collector, which reduces the wear and tear on the filter system and increase the life span of filter bags by up to 2 years. Roller chains with scrapers convey dust to the channel outlet from where it is conveyed directly to a waste handling system. The Multiflow channel are made in lengths up to 425 feet. Channels can be extended in the future and several filters can be connected to the same channel, thus increase in exhaust capacity is implemented as an "add-on" and no modification to existing equipment is required.