



ADVANTAGES

- Automatic Renewable Media Air Filter
- Pressure Differential Detector System
- Ease Installation
- Simplify Design

Autoroll-Filter uses metal to provide a firm and reliable structure media, which can withstand severe operating condition. This system is installed to adaptable to complex air filtration system, high efficient in power conservation, reduce manpower and stable operation.

Widely apply in:

- Primary filtration of Air-conditioning system;
- Field that require large dust capacity and frequent renewable-media filter;
- A steady airflow operation system;

DESIGN DESCRIPTION

• Automatic Renewable-media Controlled System

This is the core design of Autoroll-Filter. The pressurize detector system controlled the renewable-media without any human decision judgments. Thus, minimize human error decision on renewable-media and power consumption to ensure the finest efficiency rate and economic operation during services.

• Pressurize Detect Controlled System

The controlled system has a pre-set value for the final resistance at the duct of renewable media. When the pressure value is equivalent or larger than preset value, the PLC control will automatically roll the renewable-media. The dirty media will roll downward and a clean media will take over.

• Superior Autoroll-Filter Media

Autoroll-Filter used a blend of cotton and polyester fibers, which is suitable for this module. The filter media have excellent elastic, diminutive size, convenient in transportation and installation.

A less dense and mean structure provided a lower resistance, large dust collection and higher filter efficiency rate. The filter media is also economically, hence lower the maintenance and operation cost.

- **Sealed Frame Method Installation**

Autoroll-Filter used frame-frame connection method where each frames are fasten with bolt & nut. This type of connection is much more easy and suitable for high coverage working environment.

- **Simple Structure, Convenient Transportation and Installation**

Autoroll-Filter design basis had considered the convenient in transportation and installation requirement. The component part had been designed as a module which can be easily transport and install at site. The modules are:

1. Base Container;
2. Over-head filter media box;
3. Ground supportive filter media
 - i Power box;
 - ii Control Box;
 - iii Filter media;
 - iv Other component;

- **Sealed Frame Connected Method**

Autoroll-Filter used frame-to-frame connection method, which can combine a number of Autoroll-Filter into a set of Autoroll-Filter. The fastening method-using bolt & nut can sealed down any space between the combining modules.

The standard dimensions for the connecting frames are:

Height: 5-14m

Width: 3,4,5,6m



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