



LTG Prefilter TVM

Prefilter Type TVM

The best way to extract coarse particles from large air streams, is to use an appropriate prefilter screen fabric. Its characteristics are:

- **High air permeability**
- **Exact adaptation to the application and materials at hand by using different mesh sizes**
- **Good separation of various size particles**
- **Low maintenance operation**

The compact and robust design offers the highest degree of reliability and safety.

Functional Description

The LTG AEROB Prefilter type TVM consists of an housing which is separated by a dividing wall in which the rotating filter disc is mounted. The raw gas side is sealed off from the clean gas side by a special felt strip around the filter disc.

The filter disc is cleaned continuously by negative pressure through a stationary slot nozzle (type TVM) or by a traversing round nozzle (type TVN). The nozzle does not touch the filter screen during cleaning. The filter screen and nozzle are powered by a drive motor with belt drive mounted to the filter disc on the clean gas side.

Applications

The LTG AEROB Prefilter type TVM is most effective for exhaust air streams with a high content of fibers and particles of varying materials, sizes and shapes.

This filter model is especially useful with heavy loads of individual fibers and particles.

Application in various industrial sectors:

- Textile
- Non-Woven
- Woodworking
- Paper
- Cellulose
- Tobacco
- Fiberglass industry



Advantages

- **Regenerative filter unit**
- **No pressure fluctuations in the extraction system** due to continuous cleaning
- **Space saving installation** due to the disc shape and the compact design
- **Optimum flow velocity** achieved by exact adaptation to the total air quantity
- **No fiber contamination of drive elements and easy access** by installation behind the prefilter screen
- **Easy filter media change**
- **Pressure drop is minimized** by optimal airflow design

[»» Spare Parts Prefilter TVM \(PDF\)](#)

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