



Qualität
mit Brief und Siegel.
Wir sind zertifiziert.
ISO 9001



Waste disposal with a system

The rotating drum filter from the RF series

By using the rotating drum filter in a modularly and redundantly designed Deltoid system and through the minimal workload of the air cleaning, you can reduce the payback time of your total investment.

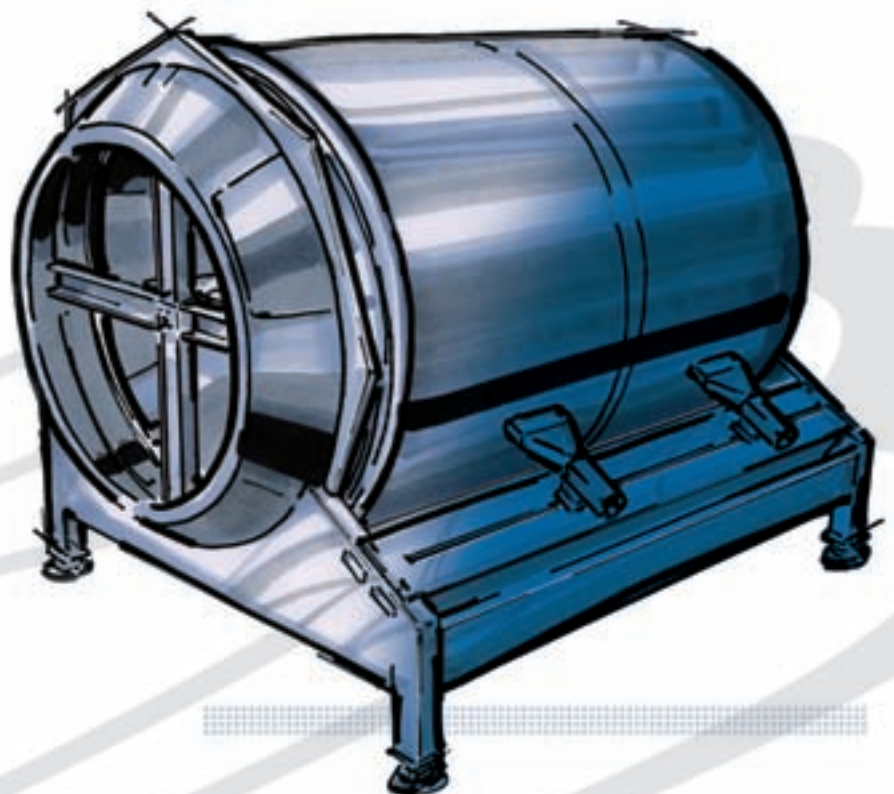
The most up-to-date production processes (CNC) and high quality materials are used for the manufacture of the rotating drum filter. You get tried and tested systems technology in which importance is placed on energy efficiency, optimum dimensioning and manufacture with tested components.

Due to its robust structure and simple construction, the rotating drum filter is impervious to changing quantities of air and dust. Made in Germany! You can rely 100% on the quality and reliability of the Deltoid rotating drum filter and avoid the risk of a system standstill.

The robust structure of the drum filter has been developed for demanding use in the production and processing industry, for example in the fields of aluminium, paper, textiles etc.

Deltoid systems engineering for maximum economic effi- ciency, cleanliness and safety

- The rotating drum filter is a modular system component with which maximum economic efficiency in production lines is achieved.
- The rotating drum filter from the RF series is suitable for removing dust from large quantities of air and for efficient continuous operation.
- The quantities of air from which dust must be removed are crucial for the device configuration, taking into consideration the dust characteristics as well as the emission values which should be reached.
- Explosion protection in accordance with ATEX



Technical Information

The rotating drum filter from the RF series



Functioning of the rotating drum filter

Construction

An accessible filter chamber is necessary for the rotating drum filter. When operating, the air which is full of dust is freely moved into the filter chamber.

The drive unit

The filter drum is powered directly by a geared motor. The drive of the suction nozzle takes place pneumatically on a ball bearing mounted linear guiding.

Flow course, suction and air return

When flowing through of the drum filter, the dust is deposited on the outside of the filter medium. The cleaned air can be returned into the working area or released into the open via a channel system. Alternating operation (e.g. Summer/Winter) is also possible via a switchover device in the exhaust air pipe. The cleaning of the filter material takes place by means of one or several suction nozzles which move continually along the drum during operation. A small dust removal device outside of the filter chamber is provided for the suction. The dust is moved into an easy to change dust container whilst the air is returned into the filter chamber.

An optimum entire concept requires all the individual components to work well together!

Working safety

The rotating drum filter from the RF series makes a high degree of working safety possible via a multiplicity of improvements.

- Optimisation of the handling
- Avoidance of long setup times
- Reduction of noise level
- Reduction of maintenance workload

Explosion protected in accordance with ATEX

- The installed components correspond to explosion protection EXII2D, Zone 21



The advantages for the rotating drum filter at a glance

- Can deal with large quantities of air
- Continual cleaning for uninterrupted operation
- High lifetime of the filter medium
- Low noise level
- Easy to maintain
- High operational availability
- Maximum working safety
- Low operating costs
- Inexpensive filter medium



DELTOID GmbH

Dekkers Waide 7
46419 Isseburg (Germany)

Fon: +49 28 74 / 9 00 86 - 0
Fax: +49 28 74 / 9 00 86 - 29

E-mail: info@deltoid-lufttechnik.com
www.deltoid-lufttechnik.de