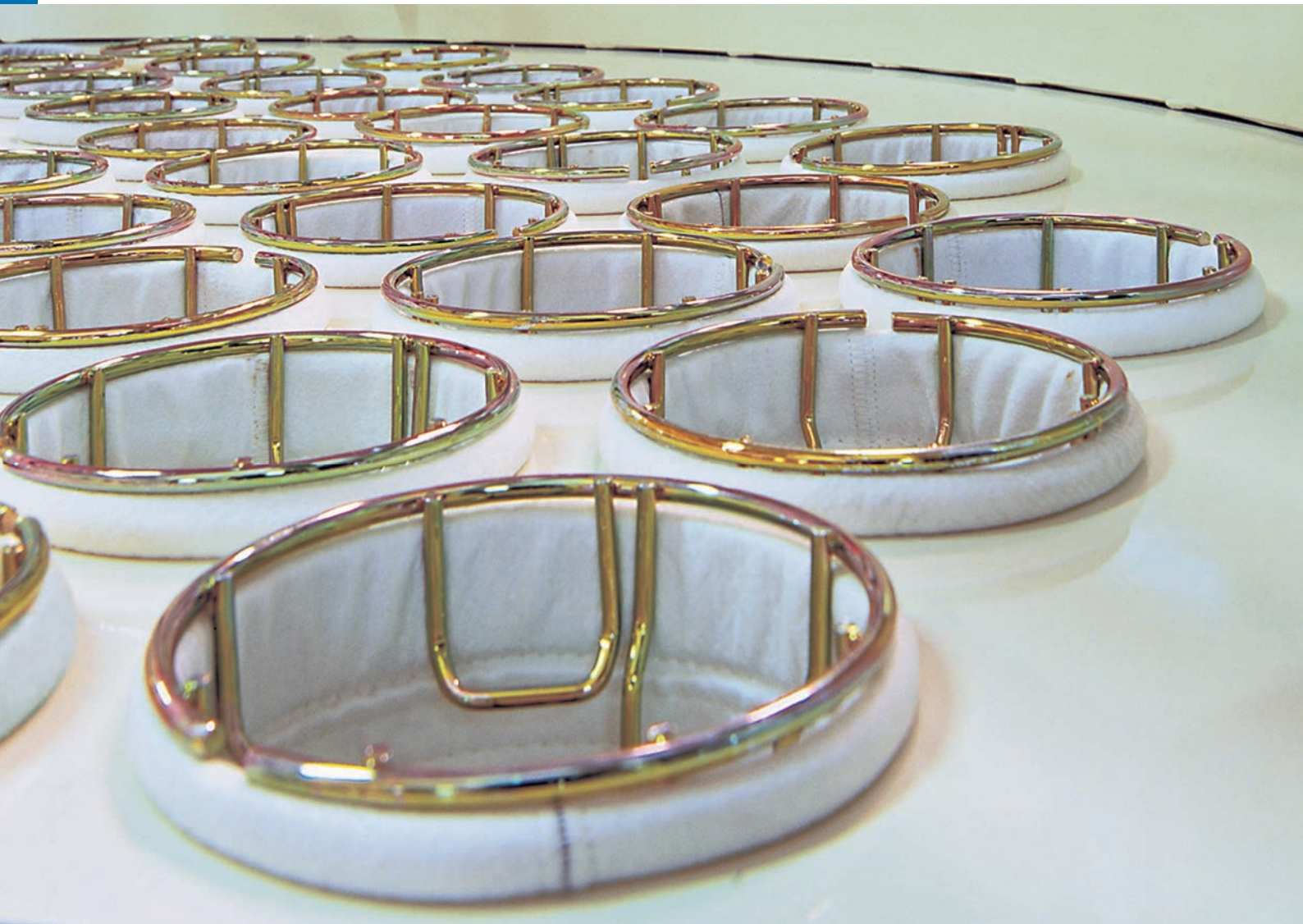
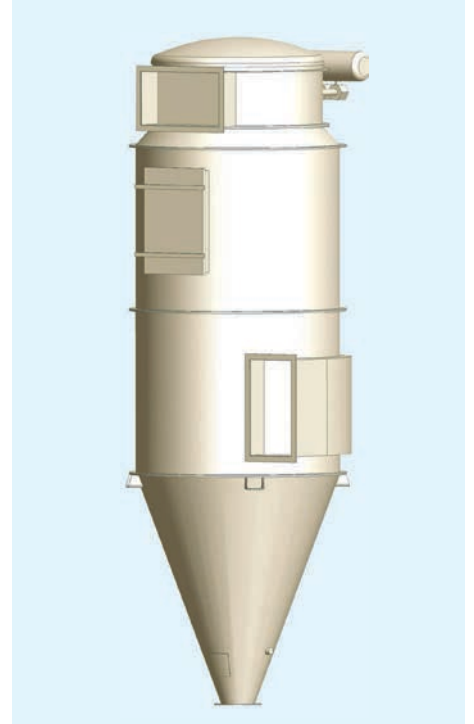


## Filter

Dust filtration for industrial process air



# Product-based filter solutions for industrial purposes



Comprehensive experience in filtration and dust handling as well as state-of-the-art know-how on modern filter technology make ANDRITZ an extremely competent partner as supplier of complete plants and individual filters for any purpose.

## Filter technology with built-in know-how

For more than 30 years, filters from ANDRITZ have demonstrated their superior function and operating reliability in many branches of industry. The result of targeted collaboration with customers, suppliers, and research institutes is a wide range of filters that can be used for most types of industrial dust filtration.

## Flexibility

The filters can be supplied as standard filters or tailored to individual tasks, such as temperatures up to 280° C. Filter housings are

available in stainless steel with various forms of surface treatment for strong vacuum or explosion protection.

## Filters or plants

We can supply complete solutions or individual filters to project suppliers, yet always with widely based know-how on air and dust technologies.

Our permanent staff of fitters can install the plants and service them upon request.

## Quality-assured production

The filters are produced by ANDRITZ, a listed company with headquarters in Graz, Austria. The ANDRITZ GROUP supplies plants and equipment for many branches of industry, including pulp and paper, waste water cleaning, and feed production worldwide and guarantees high quality, efficient production, and financial strength.



### Industrial references

- Sand handling plants in foundries
- Spray dryers for milk powder
- Powder coating installations
- Fishmeal grinding installations
- Cooling/drying installations for pet food
- Metal melting furnaces
- Pneumatic transport of wood powder
- Hot-dip galvanizing plants
- Boiler plants
- Cement handling

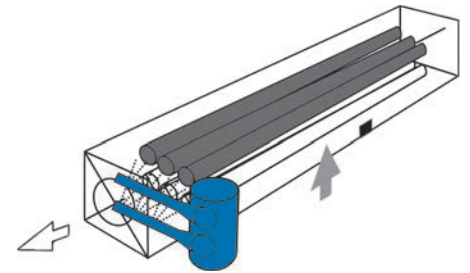


# Efficient filtration

## with low energy consumption



### Filter types



▲ Filter type DFAK  
Compact bag filter in rectangular housing and cleaned by compressed air. Used especially for mounting directly on screw conveyors, bucket elevators, and silos.  
Design: Horizontal or vertical  
Filter area: 1.8-5.4 m<sup>2</sup>



### Design

The filter designs focus on reliability, economy, and flexibility. The compact design, modular structure, and various versions of the filters offer optimum application and installation possibilities.

### Components

Only the best, well-proven mechanical and electronic components of our own development or from recognized suppliers are used. Filter media are selected specifically for the

application based on careful evaluation of the process in which the filter is involved and of the functional requirements.

### Energy consumption

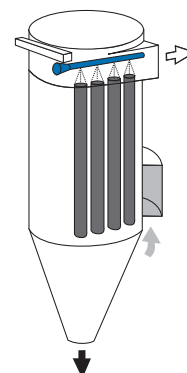
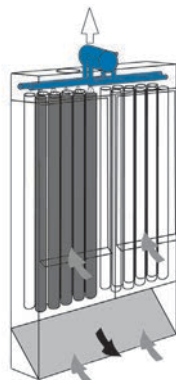
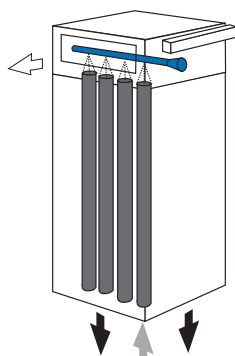
An essential element in filter operation is the energy consumption for compressed air cleaning and overcoming the pressure drop of the filter.

ANDRITZ "E"-series filters are developed with special focus on low energy consump-

# Product range

## Filter types

Filter types



▲ Filter type DFB  
 Bag filter in rectangular housing and cleaned by compressed air. Especially well suited for minor suction jobs in continuous processes.  
 Design: Insertable, encased, or free-standing filter with cone.  
 Filter area: 4-25 m<sup>2</sup>

▲ Filter type DFE  
 Bag filter cleaned by compressed air and mounted in rectangular housing made of galvanized steel plate, specially designed for suction from intake hoppers.  
 Design: Encased, with various possibilities for dust suction.  
 Filter area: 11-27 m<sup>2</sup> per module

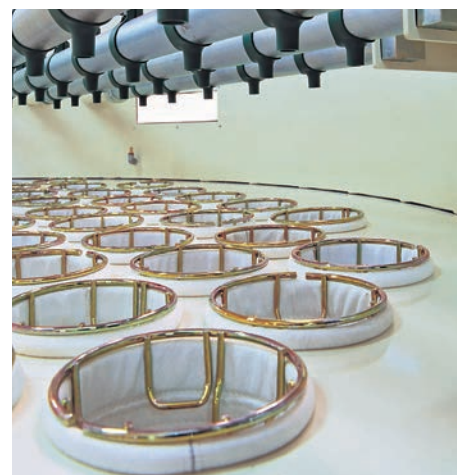
▲ Filter type EFF  
 Bag filter cleaned by compressed air and mounted in round filter housing. Especially suited for filtration of air with high dust content, at strong vacuum and high temperatures and for applications with stringent hygiene demands.  
 Design: Insertable, encased, free-standing with cone, free-standing with scraper  
 Filter area: 4-480 m<sup>2</sup>

tion. Essential improvements have been obtained through optimized air flow in the filter housing, the use of components with high degrees of efficiency, reduction of compressor pressure, advanced filter controls, and a special nozzle system with an extremely high degree of efficiency.

### Explosion protection

The presence of dust-laden air in pipe systems can cause explosions, which may be transferred to the filter. ANDRITZ offers

safety concepts that meet EN 14491 or other international standards, designed for explosion suppression or explosion venting. The filters are typically designed to be pressure-shock resistant in accordance with VDI 2263.



# Filter plants

## Solutions for industrial purposes



- 1 Aluminum polishing
- 2 Foundry dedusting
- 3 Unloading of aluminum oxide
- 4 Metal melting
- 5 Pet food dryer
- 6 Hot-dip galvanizing
- 7 Recycling of plastics/fibers
- 8 Bio fuel production based on straw
- 9 Feed intake hopper



# Accessories

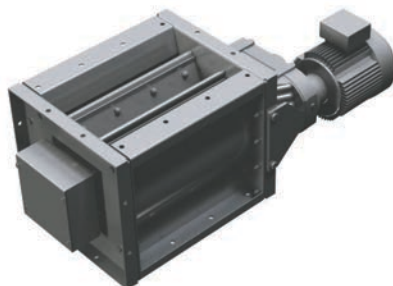
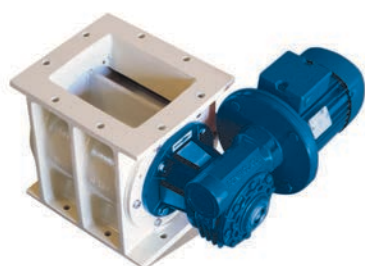
## Rotary valves and spare parts



### Rotary valves

The reliability of the rotary valve is decisive for problem-free functioning of the entire plant. ANDRITZ supplies a wide selection of rotary valves in rugged industrial execution. The rotary valve can be tailored to specific jobs with extended bearings for high temperatures, stainless steel rotor, wear-resistant surfaces, special transmissions, and so on.

### Rotary valves



- ▲ Type RS
  - Cast iron housing/end gables
  - Rotor in welded construction
  - Transmission via hollow shaft gear
  - Chamber volume: 5, 10, 20, 40 liters

- ▲ Type ZLF
  - Housing as bolted steel construction
  - Rotor with replaceable rubber sealing strips
  - Transmission with hollow shaft gear or via coupling
  - Chamber volume 23, 51, 103, 215 liters
  - Resistant to pressure shocks and flameproof as defined in Directive 94/9/EU (ATEX).

- ▲ Type Rotostar
  - Cast iron housing/end gables
  - Cast iron rotor
  - Transmission via hollow shaft gear
  - Chamber volume: 10 or 45 liters

### Spare parts

The position of the filters in important production processes make it very important to respond quickly to spare parts orders. As the filters are produced in our workshop, we always have a large number of filter components available, and we also stock parts for even the oldest filter types. What we do not have in stock can be procured and supplied quickly.



# Where to find us

## Global supplier – local presence

**ANDRITZ is truly a global organization – but also with local presence.** We are represented all over the world. The global market for feed technologies is served from five main locations:

- Esbjerg, Denmark
- Sanshui, Guangdong Province, China
- Geldrop, Netherlands
- Muncy, PA, USA
- Humenné, Slovakia

In addition, we operate from several strategic regional sales, engineering, and service locations in China, Vietnam, India, Australia, Mexico, Venezuela, Brazil, Chile, France, the UK, and Germany – and are also represented locally by agents and distributors in many other markets.



### CONTACT

#### AUSTRALIA

**ANDRITZ Feed & Biofuel Australia**  
**Division of ANDRITZ Pty. Ltd.**  
 Phone: +61 3 8795 9800  
[andritz-fb.au@andritz.com](mailto:andritz-fb.au@andritz.com)

#### BRAZIL

**ANDRITZ Feed & Biofuel Brasil Ltda.**  
 Phone: +55 51 3333 0128  
[andritz-fb.br@andritz.com](mailto:andritz-fb.br@andritz.com)

#### CHILE

**ANDRITZ Feed & Biofuel Chile Ltd.**  
 Phone: +56 2214 5711  
[andritz-fb.cl@andritz.com](mailto:andritz-fb.cl@andritz.com)

#### CHINA

**ANDRITZ Feed & Biofuel China**  
 Phone: +86 21 64670285  
[andritz-fb.cn@andritz.com](mailto:andritz-fb.cn@andritz.com)

#### FRANCE

**ANDRITZ Feed & Biofuel France**  
**Division of ANDRITZ S.A.S.**  
 Phone: +33 24 75 06 364  
[andritz-fb.fr@andritz.com](mailto:andritz-fb.fr@andritz.com)

#### GERMANY

**ANDRITZ Feed & Biofuel Germany**  
**Division of ANDRITZ GmbH**  
 Phone: +49 2104 9197 0  
[andritz-fb.de@andritz.com](mailto:andritz-fb.de@andritz.com)

#### INDIA

**ANDRITZ Feed & Biofuel India**  
**Rep. Office of ANDRITZ Feed & Biofuel A/S**  
 Phone: + 91 87544 15287  
[andritz-fb.india@andritz.com](mailto:andritz-fb.india@andritz.com)

#### MEXICO

**ANDRITZ Feed & Biofuel Mexico**  
**Division of ANDRITZ HYDRO S.A. de C.V.**  
 Phone: +52 229 178 3669  
[andritz-fb.mx@andritz.com](mailto:andritz-fb.mx@andritz.com)

#### NETHERLANDS

**ANDRITZ Feed & Biofuel B.V.**  
 Phone: +31 40 2627777  
[andritz-fb.nl@andritz.com](mailto:andritz-fb.nl@andritz.com)

#### UK

**ANDRITZ Feed & Biofuel Ltd.**  
 Phone: +44 1482 825119  
[andritz-fb.uk@andritz.com](mailto:andritz-fb.uk@andritz.com)

#### USA

**ANDRITZ Feed & Biofuel USA**  
**Division of ANDRITZ Inc.**  
 Phone: +1 570 546 1253  
[andritz-fb.us@andritz.com](mailto:andritz-fb.us@andritz.com)

#### VENEZUELA

**ANDRITZ Feed & Biofuel Venezuela**  
**Rep. office of ANDRITZ Feed & Biofuel A/S**  
 Phone: +58 241 8422515  
[andritz-fb.ve@andritz.com](mailto:andritz-fb.ve@andritz.com)

#### VIETNAM

**ANDRITZ Feed & Biofuel Vietnam**  
**Rep. office of ANDRITZ Feed & Biofuel A/S**  
 Phone: +84 8 6253 9434  
[andritz-fb.vi@andritz.com](mailto:andritz-fb.vi@andritz.com)

**ANDRITZ Feed & Biofuel A/S**  
 Glentevej 5–7  
 6705 Esbjerg, Denmark  
 Phone: +45 72 160 300  
[andritz-fb.dk@andritz.com](mailto:andritz-fb.dk@andritz.com)  
[www.andritz.com/ft](http://www.andritz.com/ft)