



MICRO ROTARY FILTER

MDF SERIES 70

Efficient liquid/solid separation

in industrial process and waste water Treatment



- Continuous filtration ✓
- Perfect atmospheric operation ✓
- Gentle treatment and transport of the solids ✓
- Filtration of abrasive material possible ✓
- Filter cake enables finer separation than nominal mesh sizes ✓
- No touching seals ✓
- Integrated draining zone optional ✓

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Application

The MDF is a compact, fully-encapsulated filtration unit for gently and effective filtration between 20 and 2000 μm . Due to its minor installation surface, the MDF will be the best solution in cramped confines.

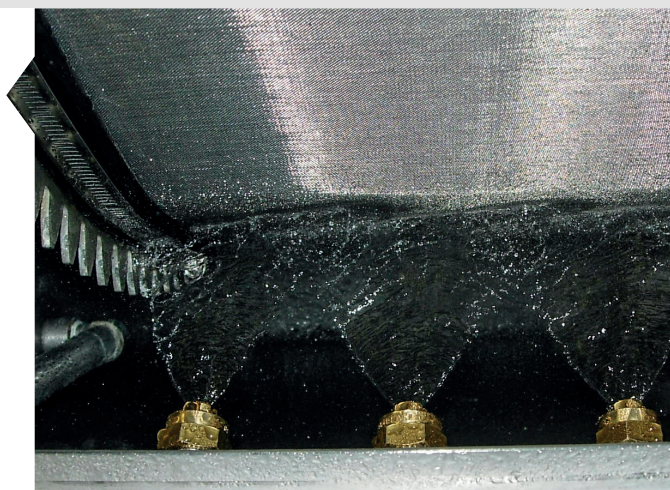


Design

The basic frame is a construction of stainless steel sheets and profiles. The stainless steel maid filter mesh is mounted on the filter drum with a special clamping device (no bonding!) and can be changed any time. All sequences of movements are executed by one drive.

Technical Data

Throughput rate	up to 60 m ³ /h
Mesh sizes	between 20 and 2000 μm
Drum diameter	700 mm
Drum length	from 200 mm to 1200 mm
Material	stainless steel AISI 304, alternatively AISI 316 Ti/L
Special configurations	upon request



Installations Examples

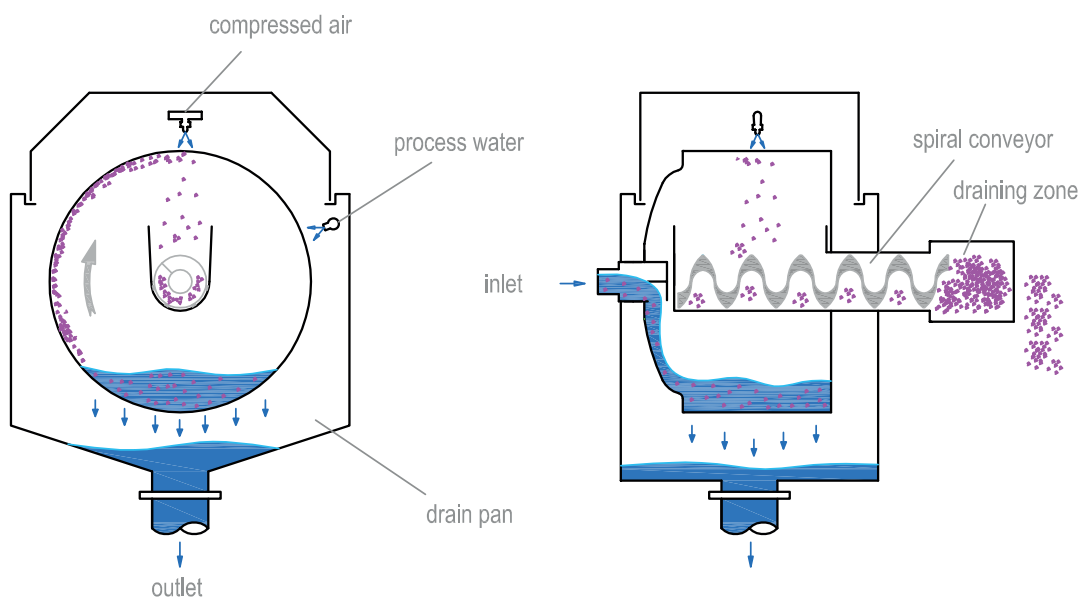
- ✓ Emulsion treatment
- ✓ Disposal enterprises
- ✓ Pulp and paper industry
- ✓ Food industry

- ✓ Plastic recycling
- ✓ Laundries
- ✓ Textile industry

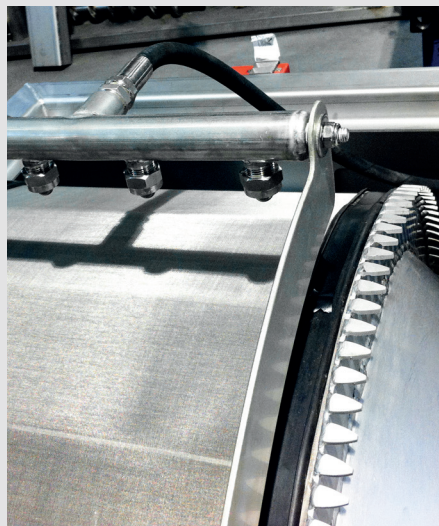
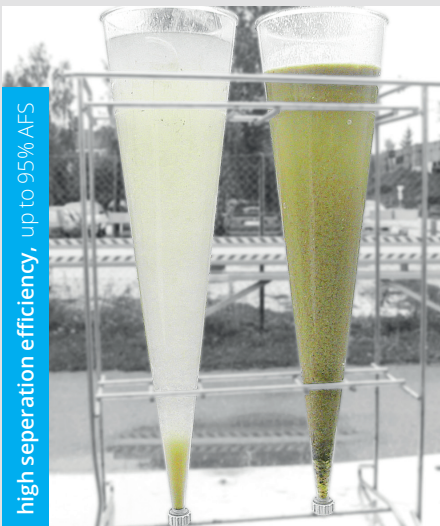
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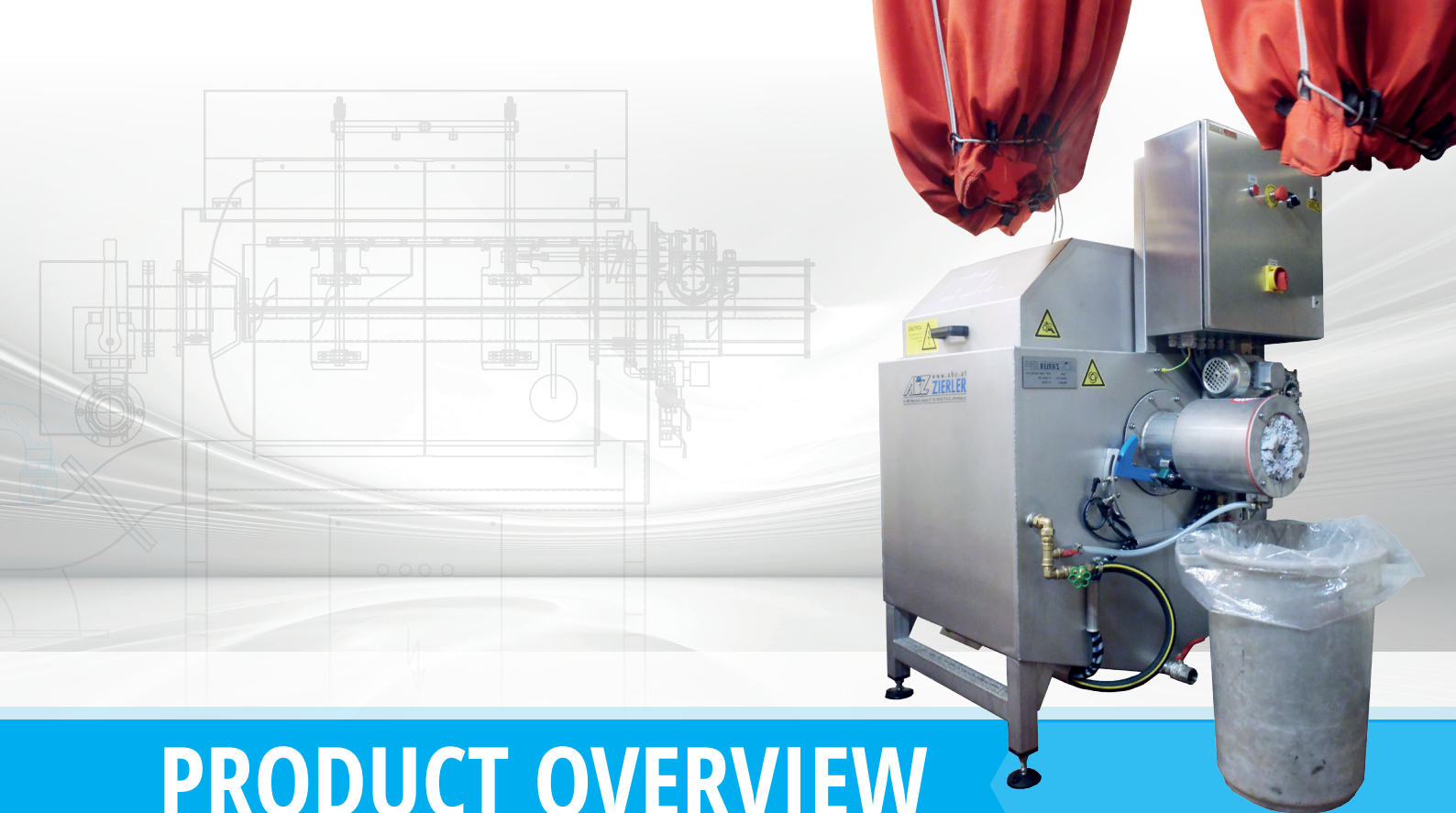
Functional Description MDF Series 70

The liquid to be cleaned is fed into the rotating filter drum by means of a centrally installed inlet connection. Under atmospheric conditions, it flows through the filter mesh and either returned to the process cycle or drained into the sewage system. The accumulating solid particles which are larger than the nominal mesh size of the filter are held back by the mesh and a filter cake is formed. At this point, deep-bed filtration comes into effect, enabling significantly smaller particles to be separated than through the nominal mesh size. The cake adhering to the filter slowly conveyed upwards and dewatered through the rotating drum. At the crest of the drum, the cake is blown off with compressed air, high-pressure or water jet and discharged out of the MDF by means of a spiral conveyor.



high separation efficiency, up to 95% AFS





PRODUCT OVERVIEW

Series MDF		7020	7040	7080	70120
Drum diameter	mm	700			
Drum length	mm	200	400	800	1200
Inlet nozzle max.	DN	100	100	100	100
Outlet nozzle max.	DN	150	150	150	150
Draining zone optional		✓	✓	✓	✓
special type EH *			✓	✓	✓
Power rating	kW	0,8			

* integrated emergency spillway (Inlet connection max. DN 250)

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