Self Cleaning
Wedge Wire Filter AS Typ FD

The system is solidly built and may be used for the toughest applications.

The wedge wire filter with flange cover consists of the following parts:

- one part filter housing
- scraper plate unit
- gear motor with lid
- 3 support legs
  (the support legs have to be mounted on the ground)

The fluid goes from the outside to the inside of the filter element. The solids are collected on the outside. The scraper blade cleans the permanent rotating filter element and the scraped solids are collected in the bottom part of the housing. By opening the valve the sludge is discharged due to the pressure inside the housing.

The discharging of the sludge can be achieved in three different ways:

- Manual: By opening and closing of a ball valve (ball valve is not included)
- Automatic: By a time-controlled valve
- Automatic: By an electronic control board which opens/closes a drain valve due to differential pressure

The maintenance and cleaning of the housing is easily achieved. For taking out the gear motor with lid and the scraper blade unit only four eyebolts have to be loosened. The interior of the housing than can be cleaned easily. As an additional option the interior surface of the housing can be polished.

Main Features:

- Clean and dirt room can be cleaned fast and easy
- Dismounting of the scraper blade unit without tools
- No filter element disposal
- The product waste is kept to a minimum
- Easy dismounting of the wedge wire element
- Self-cleaning with no interruption of production process
- Suitable for almost all fluids
- High resistance to differential pressure
- Solid one part housing

Applications
- Chocolate Mixture
- Cocoa Mass
- Marzipan
- Coffee Essence
- Yeast
- Paints and Coatings
- Emulsion Paints
- Inks
- Underbody Protection
- Adhesives
- Tar Produkts
- Solvents
- Gear Oil, Rapeseed Oil
- Emulsions
- Electrophoresis
  Coating
- Softening Agents
- Polyurethane
- Coolant

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Applications

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technical changes reserved | Rev.: 015.20.03
Technical Data

<table>
<thead>
<tr>
<th>Type</th>
<th>AS 110 - FD</th>
<th>AS 175 - FD</th>
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</thead>
<tbody>
<tr>
<td>Flow Rate</td>
<td>25 m³/h *</td>
<td>35 m³/h *</td>
</tr>
<tr>
<td>Inlet Flange</td>
<td>DN65</td>
<td>DN80</td>
</tr>
<tr>
<td>Outlet Flange</td>
<td>DN65</td>
<td>DN80</td>
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<tr>
<td>Drain</td>
<td>R 2&quot; Female Thread</td>
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<tr>
<td>Vent, Flushing</td>
<td>R 1/8&quot; in lid (Vent), R 1&quot; (Flushing)</td>
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<tr>
<td>Housing Closure</td>
<td>Hinged Bolts</td>
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<tr>
<td>Mounting Height A</td>
<td>1145</td>
<td>1200</td>
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<tr>
<td>Flange Distance B</td>
<td>365</td>
<td>465</td>
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<tr>
<td>Flange Height C</td>
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<td>560</td>
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<td>Flange Height D</td>
<td>680</td>
<td>710</td>
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<tr>
<td>Dismounting Height E</td>
<td>580</td>
<td>700</td>
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<td>Height from Ground F</td>
<td>20-290</td>
<td>110-330</td>
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<tr>
<td>Volume in Liters.</td>
<td>15</td>
<td>26,5</td>
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</table>

Housing optional with fixing claws
Housing optional with support legs
* applied to water with 100 µm Filterelement
Manufactured acc. to the pressure equipment directive 2014/68/EU Cat. I, Module A

General Technical Data

<table>
<thead>
<tr>
<th>Material:</th>
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<tbody>
<tr>
<td>Filter housing</td>
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<tr>
<td>Filter Cartridge</td>
</tr>
<tr>
<td>Scraper</td>
</tr>
<tr>
<td>Gasket:</td>
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<tr>
<td>Micron Rating:</td>
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<tr>
<td>Operating Pressure:</td>
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<td>Operating Temperature:</td>
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<td>Drive:</td>
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<td>Electrical Connections:</td>
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<td>Protection Class:</td>
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Ordering Information:

AS 110 - FD

<table>
<thead>
<tr>
<th>Flange</th>
<th>Material</th>
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<tbody>
<tr>
<td>110 DN65</td>
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<tr>
<td>175 DN80</td>
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Order Example: AS 110 - FD