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QUALITY FIRST!
Magnetic values & ISO 9001 & HACCP

THE BASICS
Ferroxdure & Neoflux® magnetic rods; the basic components of your magnetic system.

FERROXDURE MAGNETIC GRIDS
Suitable for low iron contamination, for the separation of Fe particles of 1 mm and upwards.

NEOFUX® MAGNETIC GRIDS
Suitable for low iron contamination, for the separation of Fe particles of 30 Micron and upwards with stringent quality requirements.

FERROXDURE CLEAN-FLOW MAGNETS
Suitable for high iron contamination, for the separation of Fe particles of 1 mm and upwards.

NEOFUX® CLEAN-FLOW MAGNETS
Suitable for low iron contamination, for the separation of Fe and stainless-steel particles of 30 Micron and upwards with stringent quality requirements.

SELF-CLEANING CLEAN FLOW MAGNETS
Suitable for high iron contamination or poorly accessible locations, for the separation of Fe and stainless-steel particles of 30 Micron and upwards with stringent quality requirements.
Cleaning without interruption of the production flow (page 9).
Cleaning with interruption of the production flow (page 10).

ROTARY MAGNETS
Suitable for high iron contamination, for the separation of Fe and stainless-steel particles of 30 Micron and upwards from non-smooth flowing (sticky) products with stringent quality requirements.

SELF-CLEANING ROTARY MAGNETS
Suitable for high iron contamination or poorly accessible locations, for the separation of Fe and stainless-steel particles of 30 Micron and upwards from non-smooth flowing (sticky) products with stringent quality requirements.
Cleaning without interruption of the production flow (page 12).
Cleaning with interruption of the production flow (page 13).

QUALITY ASSURANCE
Monitoring and checking equipment

MAGNETIC SYSTEMS FOR LIQUIDS
Magnetic filters for products transported under pressure.
With the introduction of more stringent quality standards (HACCP), manufacturer must be able to rely on their products being treated with the utmost care. This also applies to the deferrisation of products. Goudsmit Magnetic Systems is therefore constantly on the lookout for methods to improve its magnetic deferrisation systems: the objective being to achieve the greatest possible magnetic force in combination with a low overall height and easy cleaning of the systems by the operator.

With a view to achieving optimum deferrisation, Goudsmit Magnetic Systems has used its 40 years of expertise and experience to develop the Neoflux® and Clean-Flow magnets.

The Neoflux® magnetic systems are fitted with a GSN 35 magnet as standard, which has a Br value of 12,000 Gauss. However, a more powerful version was recently introduced: the GSN 50, which has a Br value of 14,000 Gauss. This magnet even attracts stainless steel and low-ferrous particles, such as iron oxides.

Operating principle
The best means of removing the highest particle quantity from the product is to fit two grid magnets, one above the other. This ensures that the product makes contact with the magnet, and guarantees optimum deferrisation.
A Goudsmit Ferroduct magnet removes particles of 1 mm and upwards. However, should you wish to remove even the most minute iron particles, we would advise you to deploy the Neoflux® magnet.

HACCP: Hazard Analysis Critical Control Point

<table>
<thead>
<tr>
<th>Quality</th>
<th>Remanence</th>
<th>Coercivity</th>
<th>Max. product energy</th>
<th>Max. operating temp.</th>
</tr>
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<tbody>
<tr>
<td>Br (T)</td>
<td>kG</td>
<td>HcJ (kA/m)</td>
<td>HcB (kOe)</td>
<td>(BH)max (kJ/m³)</td>
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<tr>
<td>GSF-33H</td>
<td>0.37-0.39</td>
<td>216-248</td>
<td>2.7-3.1</td>
<td>208-240</td>
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<td>SeFe</td>
<td>3.7-3.9</td>
<td>&gt;1353</td>
<td>&gt;17.0</td>
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<td>GSN-38H</td>
<td>1.24-1.27</td>
<td>955-1114</td>
<td>12.0-14.0</td>
<td>876</td>
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<td>GSN-38</td>
<td>1.24-1.27</td>
<td>955-1114</td>
<td>12.0-14.0</td>
<td>876</td>
</tr>
<tr>
<td>GSN-40</td>
<td>1.28-1.32</td>
<td>876-1055</td>
<td>11.0-13.0</td>
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</tr>
<tr>
<td>GSN-42</td>
<td>1.40-1.44</td>
<td>876-955</td>
<td>11.0-12.0</td>
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<tr>
<td>GSN-50</td>
<td>1.38-1.41</td>
<td>950-1030</td>
<td>12.0-13.0</td>
<td>950</td>
</tr>
<tr>
<td>GS-42</td>
<td>1.40-1.44</td>
<td>950-1030</td>
<td>12.0-13.0</td>
<td>950</td>
</tr>
</tbody>
</table>

1kG=0.1T, 1kOe=79.6kA/m, 1MGOe=7.96kJ/m³
*The operating temperature is also dependent on the magnet dimensions and the system design. We would be pleased to advise you on such matters.
Magnetic rods are the basic components in all CleanFlow magnets. You are free to select the ideal magnet design for your purposes, with a choice of two magnetic strengths.

**A) Ferroxdure:**
- Ø 22 mm GSF 33 magnet
- Magnetic value: Br 3900 Gauss
- Standard lengths up to 400 mm (other lengths available on request)
- M6 thread on either end
- Suitable for particles of 1 mm and upwards
- Standard operating temperature: 100°C

**B) Ferroxdure & waterproof**
- Entirely waterproof, Ø 40 mm GSF 33 magnet
- Magnetic value: Br 3900 Gauss
- Standard lengths up to 1000 mm (other lengths available on request)
- M8 tapped holes at either end
- Suitable for particles of 1 mm and upwards
- Standard operating temperature: 100°C max.

**C) Neoflux® & waterproof**
- Entirely waterproof, Ø 23 mm GSN 38 magnet
- Magnetic value: Br 12,000 Gauss
- Standard lengths up to 600 mm (other lengths available on request)
- M8 tapped holes at either end
- Suitable for particles of 30 microns and upwards
- Standard operating temperature: 80°C max. (higher temperatures available on request)

**D) Neoflux® & ultra-strong**
- Entirely waterproof, Ø 23 mm GSN 50 magnet
- Magnetic value: Br 14,000 Gauss
- Standard lengths up to 600 mm (other lengths available on request)
- M6 tapped holes at either end
- Suitable for particles of 30 microns and upwards and low-ferrous stainless steel
- Standard operating temperature: 80°C max. (higher temperatures available on request)
Magnetic grids are generally used in situations involving low iron contamination. For example, in the hopper of an injection welding machine, as a system safeguard. Magnetic grids can also be used during the final inspection of products, before they are bagged.

The Neoflux grids in particular are ideal for such applications. These guarantee your customers an absolutely iron-free product.

These grids are available in round, square and rectangular models, made to your specifications (Please state dimensions A & B or D).

**Ferroxdue: simple and effective**

Round magnetic grid, made of Type A magnetic rods (see page 4). Standard dimensions up to Ø 300 mm (others available on request).

Round, waterproof Ferroxdue magnetic grid, made of Type B magnetic rods (see page 4). Standard dimensions from Ø 300 to Ø 500 mm (other dimensions available on request).

**Ferroxdue: waterproof & heavy-duty models**

Round Ferroxdue grid, made of Type A magnetic rods.

Square magnetic grid, made of Type A magnetic rods (see page 4). Standard dimensions up to Ø 300 mm (other dimensions available on request).

Square, waterproof Ferroxdue magnetic grid, made of Type B magnetic rods (see page 4). Standard dimensions from Ø 300 to Ø 500 mm (other dimensions available on request).

Double-decker!
Special Ferroxdue magnetic grid for the plastics industry, with a highly favourable price-quality ratio!

Square Ferroxdue grid, heavy-duty model made of Type A magnetic rods.
These grids are available in round, square and rectangular models, made to your specifications (Please state dimensions A & B or D).

Square, waterproof Neoflux® magnetic grid, made of Type C magnetic rods (see page 4). Standard dimensions up to ø 400 mm (other dimensions available on request). Optional: extractor for quick cleaning.

Round, waterproof Neoflux® magnetic grid, made of Type C magnetic rods (see page 4). Standard dimensions up to ø 400 mm (other dimensions available on request). Optional: extractor for quick cleaning.

Square, waterproof Neoflux® magnetic grid, made of Type D magnetic rods (see page 4). Standard dimensions up to ø 400 mm (other dimensions available on request).

Round, waterproof Neoflux® magnetic grid, made of Type D magnetic rods (see page 4). Standard dimensions up to ø 400 mm (other dimensions available on request).

**Neoflux® waterproof**

Quick-clean Neoflux® magnetic grid, with GSN 35 magnets and extractor.

**Neoflux® ultra-strong, waterproof**

Neoflux® magnetic grid with GSN 35 magnets, ideal for the removal of stainless steel and non-ferrous particles.
If two magnetic grids are installed, one above the other, the product is almost certain to make contact with one of the rods. The grids are fitted asymmetrically to one another in a stainless steel casing. An inspection hatch facilitates the removal of the grids for cleaning and inspection. Clean-Flow magnets: the ideal means of achieving optimum deferrisation.

**Ferroxdure Clean-Flow magnets**
Ferroxdure Clean-Flow magnets remove iron particles of 2 mm and upwards.

**Specific properties:**
- Compact overall height
- Excellent price-quality ratio

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**Flange holes according to Jacob DN 100 - DN 300**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DN</th>
<th>JH</th>
<th>D</th>
<th>W</th>
<th>H</th>
<th>P</th>
<th>Nr. of rods</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECF120014</td>
<td>100</td>
<td>60</td>
<td>120x110</td>
<td>174</td>
<td>2x70 =140</td>
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<td>2+3</td>
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<td>SECF180014</td>
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<td>70</td>
<td>180x180</td>
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<td>2x101 =202</td>
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<td>3+4</td>
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<td>85</td>
<td>200x200</td>
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<td>2x112,5 =225</td>
<td>50</td>
<td>3+4</td>
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<tr>
<td>SECF250014</td>
<td>250</td>
<td>135</td>
<td>250x250</td>
<td>304</td>
<td>2x135 =270</td>
<td>50</td>
<td>4+5</td>
</tr>
<tr>
<td>SECF300014</td>
<td>250</td>
<td>150</td>
<td>300x300</td>
<td>354</td>
<td>2x162,5 =325</td>
<td>50</td>
<td>5+6</td>
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<tr>
<td>SECF350014</td>
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<td>210</td>
<td>350x350</td>
<td>404</td>
<td>2x187,5 =375</td>
<td>50</td>
<td>6+7</td>
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</table>
Neoflux® Clean-Flow magnets remove ferrous particles of 30 microns and upwards. And should you also wish to remove stainless steel particles, Goudsmit can now supply magnetic systems fitted with ultra-strong GSN 50 magnets. The Neoflux® systems are only available as quick-clean models: the iron particles are removed from the rods by detaching the stainless steel extractor tubes (fitted around the rods). A quick and easy cleaning method.

**Specific properties:**
- Ultra-strong
- Quick and easy cleaning
- Suitable for the foodstuffs sector (HACCP)
- The grids are fitted to the casing by means of a drawer (easy to operate)
- Optional: entire system can be electrolytically polished.
- Quick release
- Safe (no risk of trapped fingers, etc.)

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**Standard Neoflux® Clean-Flow magnet**
- Casing: AISI 304
- Flange: DIN 2576
- Finish: bead blasted
- Magnets: Neoflux® GSN35
- Br [max] 12.000 Gauss
- Extractor: D25/23
- Seal: white silicon

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<table>
<thead>
<tr>
<th>Type nr.</th>
<th>DN</th>
<th>H</th>
<th>W</th>
<th>S</th>
<th>P</th>
<th>N</th>
<th>D</th>
<th>Nr. of rods</th>
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<td>250</td>
<td>240</td>
<td>165</td>
<td>125</td>
<td>4</td>
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<td>1-2</td>
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<td>250</td>
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<td>180</td>
<td>8</td>
<td>18</td>
<td>2-3</td>
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<td>340</td>
<td>285</td>
<td>240</td>
<td>8</td>
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<td>3-4</td>
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<td>390</td>
<td>340</td>
<td>205</td>
<td>8</td>
<td>22</td>
<td>4-5</td>
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<td>SECF250638</td>
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<td>250</td>
<td>440</td>
<td>305</td>
<td>350</td>
<td>12</td>
<td>22</td>
<td>5-6</td>
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<td>SECF300638</td>
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<td>250</td>
<td>490</td>
<td>445</td>
<td>400</td>
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<td>22</td>
<td>6-7</td>
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<td>300</td>
<td>540</td>
<td>505</td>
<td>460</td>
<td>16</td>
<td>22</td>
<td>7-8</td>
</tr>
</tbody>
</table>
If the product contains large amounts of iron particles, the Clean-Flow system has to be cleaned frequently to ensure optimum effectiveness. If cleaning has to be carried out more than twice a day, an automatic system may be a preferred option.

Goudsmit Magnetic Systems has developed two different systems for this purpose: one for continuous and one for non-continuous production processes.

**For continuous production processes**

Two ultra-strong Neoflux® magnetic rods are mounted in a fixed position within the product chute. The magnetic rods are sheathed by a stainless steel tube, which can be slid to the left or right by means of a pneumatic control system. The first time the magnetic rod needs to be cleaned, the stainless steel tube is slid to the right, thus breaking the magnetic field and depositing the collected particles in the right-hand chute. The next time the rod needs cleaning, the tube is slid to the left and the particles are deposited in the left-hand chute. The system therefore comprises a central product chute and two particle discharge chutes to the left and right.

**Specific properties:**
- The magnets are cleaned without interrupting the product flow.
- The magnets remain within the product flow during cleaning, guaranteeing optimum deferritization.
- Compact overall height
- Uses ultra-strong magnets
- Particularly service-friendly
- PLC controlled

<table>
<thead>
<tr>
<th>Type nr.</th>
<th>Nr. of rods</th>
<th>Capacity</th>
<th>A</th>
<th>C</th>
<th>E</th>
<th>F</th>
<th>H</th>
<th>N x Q = R</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECC240001</td>
<td>Top row = 2</td>
<td>22 m³/hr</td>
<td>240</td>
<td>250</td>
<td>623</td>
<td>190</td>
<td>480</td>
<td>3 x 95 = 285</td>
</tr>
<tr>
<td></td>
<td>Bottom row = 3</td>
<td>1100 m³/hr</td>
<td>320</td>
<td>350</td>
<td>780</td>
<td>290</td>
<td>230</td>
<td>4 x 90 = 360</td>
</tr>
<tr>
<td>SECC32001</td>
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<td>38 m³/hr</td>
<td>1340</td>
<td>400</td>
<td>330</td>
<td>270</td>
<td>230</td>
<td>4 x 90 = 360</td>
</tr>
<tr>
<td></td>
<td>Bottom row = 4</td>
<td>400 m³/hr</td>
<td>1680</td>
<td>450</td>
<td>940</td>
<td>420</td>
<td>640</td>
<td>4 x 110 = 440</td>
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<td>SECC400001</td>
<td>Top row = 4</td>
<td>60 m³/hr</td>
<td>1680</td>
<td>450</td>
<td>940</td>
<td>420</td>
<td>640</td>
<td>4 x 110 = 440</td>
</tr>
<tr>
<td></td>
<td>Bottom row = 5</td>
<td>1680 m³/hr</td>
<td>1680</td>
<td>450</td>
<td>940</td>
<td>420</td>
<td>640</td>
<td>4 x 110 = 440</td>
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</tbody>
</table>
Clean-flow magnets for non-continuous production processes

These magnets are also self-cleaning. In contrast to the continuous Clean-Flow magnet, however, the production process does have to be shut down during the cleaning of this system. In this case, the tubes that sheath the rods are fixed in position, while the rods themselves can be pneumatically retracted.

Cleaning

Once the production process has been shut down, the cleaning cycle can commence. During the cleaning cycle, a hatch situated below the magnets is opened and the magnetic rods are pneumatically retracted. This breaks the magnetic field and deposits the iron particles in a container beneath the hatch. The rods are then replaced, whereupon the hatch closes and the production process can resume. The main advantages of this system are that it is a sealed unit and suitable for use in the foodstuffs industry.

Specific properties:

- Ultra-strong Neoflux® magnets
- Self-cleaning (PLC controlled)
- Suitable for the foodstuffs sector (HACCP)
- No moving parts (maintenance-free)
- Hermetically sealed unit
- AISI 304 casing with AISI 316 rods
- Max. operating temperature of 80°C
- Optional: special electrolytically polished or buff-finished housing

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<table>
<thead>
<tr>
<th>Type nr.</th>
<th>Nr. of rods</th>
<th>Capacity</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
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<tbody>
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<td>240</td>
<td>588</td>
<td>755</td>
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<td>800</td>
<td>415</td>
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<td></td>
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<td></td>
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<td></td>
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<td></td>
<td></td>
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<tr>
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<td>148</td>
<td>915</td>
<td>915</td>
<td>1165</td>
<td>900</td>
<td>495</td>
<td>550</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>SECD400101</td>
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<td>908</td>
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<td>1075</td>
<td>1385</td>
<td>1000</td>
<td>575</td>
<td>630</td>
</tr>
<tr>
<td></td>
<td>Bottom row = 5</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Rotary Clean-Flow magnets were specially designed for products that do not flow smoothly, such as cocoa and milk powder. The rods are slowly rotated, mixing the product as it were and ensuring optimum contact with any iron particles present.

**Specific properties:**
- Ultra-strong Neoflux® magnets
- Prevents accumulation on the rods
- Easy cleaning
- Suitable for the foodstuffs sector (HACCP)
- Can process substantial capacities
- AISI 304 casing with AISI 316 rotor and rods
- Max. operating temperature of 80°C
- Optional: special electrolytically polished or buff-finished housing

**Rotary Clean-flow magnet**
Motor: Type SEW SAF37/63N4 0.18kW 2P 3x400V 50Hz 23 RPM
3x440V 60Hz 26 RPM

Note: Reducing sockets from square to round are available on request.

<table>
<thead>
<tr>
<th>Type nr.</th>
<th>A</th>
<th>Br  [Gauss]</th>
<th>B   [mm]</th>
<th>C   [mm]</th>
<th>H   [mm]</th>
<th>K   [mm]</th>
<th>L   [mm]</th>
<th>Nr. of rods</th>
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<td>SECR202038</td>
<td>a 200</td>
<td>12,000</td>
<td>3x80=240</td>
<td>280</td>
<td>220</td>
<td>460</td>
<td>480</td>
<td>6</td>
</tr>
<tr>
<td>SECR303038</td>
<td>a 300</td>
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<td>5x70=350</td>
<td>380</td>
<td>300</td>
<td>510</td>
<td>580</td>
<td>12</td>
</tr>
<tr>
<td>SECR303138</td>
<td>a 300</td>
<td>12,000</td>
<td>5x70=350</td>
<td>380</td>
<td>300</td>
<td>510</td>
<td>580</td>
<td>8</td>
</tr>
<tr>
<td>SECR202048</td>
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<td>14,000</td>
<td>3x80=240</td>
<td>280</td>
<td>220</td>
<td>460</td>
<td>480</td>
<td>6</td>
</tr>
<tr>
<td>SECR303048</td>
<td>a 300</td>
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<td>380</td>
<td>300</td>
<td>510</td>
<td>580</td>
<td>8</td>
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</tbody>
</table>
If the product contains large amounts of iron particles, it is advisable to install a self-cleaning system. As is the case with the Clean-Flow magnets, we differentiate between those for use in continuous and non-continuous production processes.

For continuous production processes
These operate according to the same principle as the self-cleaning Clean-Flow magnet (see page 9) except the rods are rotated. This prevents product accumulation on the rods and makes the continuous rotary Clean-Flow magnet ideal for products that do not flow smoothly.

Specific properties:
- Ultra-strong Neoflux® magnets
- Prevents product accumulation
- High deferrisation level
- Self-cleaning (PLC system) without interrupting the product flow
- Can process substantial capacities
- Service-friendly
- Optional: special electrolytically polished or buff-finished housing
- AISI 304 casing with AISI 316 rods
- Max. operating temperature of 80°C
- Highly compact overall height

The ultimate solution!
The continuous rotary Clean-Flow magnet is suitable for products that are sticky or do not flow smoothly, while it can be automatically cleaned without interrupting the product flow.

<table>
<thead>
<tr>
<th>Type nr.</th>
<th>Nr. of rods</th>
<th>Capacity (m³/hr)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>N x Q = R</th>
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<td>SRCC 320001</td>
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<td>1850</td>
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<td>400</td>
<td>1615</td>
<td>2090</td>
<td>1015</td>
<td>575</td>
<td>830</td>
<td>705</td>
<td>310</td>
<td>395</td>
</tr>
</tbody>
</table>
DUST TIGHT SOLUTION!

The non-continuous rotary Clean-Flow magnet is hermetically sealed, self-cleaning and suitable for products that are sticky or do not flow smoothly.

For non-continuous production processes

These operate according to the same principle as the stationary non-continuous Clean-Flow magnet (see page 10) except the rods are rotated to prevent product accumulation.

Specific properties:
- Ultra-strong Neoflux® magnets
- Prevents product accumulation on the rods
- High degaussing level
- Self-cleaning (PLC system)
- Can process substantial capacities
- Hermetically sealed
- Optional: special electrolytically polished or buff-finished housing
- No moving parts (maintenance-free).
- AISI 304 casing with AISI 316 rods
- Max. operating temperature of 80°C

<table>
<thead>
<tr>
<th>Type nr.</th>
<th>Nr. of rods</th>
<th>Capacity</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>N x Q = R</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRCD 320001</td>
<td>9</td>
<td>25 m³/hr</td>
<td>320</td>
<td>925</td>
<td>1400</td>
<td>515</td>
<td>760</td>
<td>355</td>
<td>265</td>
<td>620</td>
<td>510</td>
<td>650</td>
<td>1160</td>
<td>4 x 90 = 360</td>
</tr>
<tr>
<td>SRCD 400001</td>
<td>11</td>
<td>40 m³/hr</td>
<td>400</td>
<td>1085</td>
<td>1560</td>
<td>615</td>
<td>880</td>
<td>395</td>
<td>305</td>
<td>700</td>
<td>575</td>
<td>750</td>
<td>1325</td>
<td>4 x 110 = 440</td>
</tr>
</tbody>
</table>
The following products may prove useful for product monitoring and checking the magnetic field.

**Gaussmeter**
Meter to check the Gauss value of magnetic rods (HACCP requirement!).

- **Type**: M1890000
- **Range**: 0-19990 Gauss
- **Power source**: rechargeable 9V NiCad battery
- **Charge**: 220V - 50Hz
- **Probe**: 1 mm thick x 3.5 mm wide
- **Supplied complete with carrying case.

**Neoflux® test rod**
The Neoflux® test rod can be used to establish whether there are any remaining iron or low-ferrous particles in the product. When drawn through the product, the rod will attract any remaining particles. The rod can be cleaned by removing it from the stainless steel extractor tube, thus breaking the magnetic field and releasing the iron particles.

- **Type**: SE-SX.0150.48
- **Dimension**: ø 25 x 225 mm
- **Magnet**: GNS 50
- **Magnetic value**: 12000 Gauss on bore and 10,000 Gauss on extractor
- **Supplied complete with carrying case.
These Magnetic filters, which are fitted with strong magnetic rods, are intended for the removal of iron particles from liquids being transported under pressure.

The industrial magnetic filter can be used to remove iron particles from printing inks, coolants, liquid chemicals and pharmaceuticals.

The double-walled Neoflux® magnetic filter was specially designed for products that congeal, such as chocolate.

Goudsmit magnetic filters are ideal for installation in pneumatic pipelines for the transport of nuts, flour, plastics, sugar, maize, ceramic powders or shreds of foil, etc. The magnetic rods can also be supplied with a wear-resistant finish.

The Ferroxdure magnetic filter is specially intended for the deferrisation of non-pressurised liquids.

The interior of the hygienic magnetic filter (specially designed for the foodstuffs industry) is highly polished and free of protrusions.

Please consult our 'Magnetic Filters' brochure for further information.