

2.3 MAGNETIC GRIDS

BASIC MODEL:

Magnetic grids are used in piping systems, hoppers, channels, etc. to separate the ferric particles that circulate through these systems. To ensure a high degree of resistance to corrosion, wear, and high mechanical stress, the parts of the grids that are in contact with the material flow, are made of stainless steel AISI 316 (EN 1.4404). The dimensions of the system are designed to obtain a minimum resistance to the passage of material. This prevents the accumulation of particles transversely to the flow. All grids are constructed with Neodymium magnets and the maximum operating temperature is 90 °C. There is a version with a system of removable magnets and another one with housing for a complete and easy cleaning.



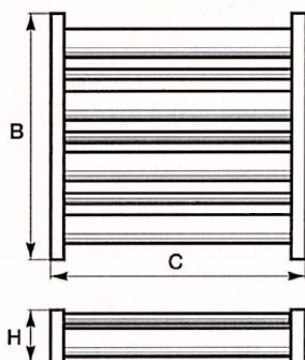
CHARACTERISTICS:

- Execution: easy manual cleaning
- Magnetic system: permanent magnets (Neodymium quality N35)
- Watertight
- Housing: AISI 316 stainless steel (EN 1.4404)
- Diameter of the magnetic bars: 25 mm
- Distance between centers of the bars: 50 mm
- Surface treatment: sandblasting

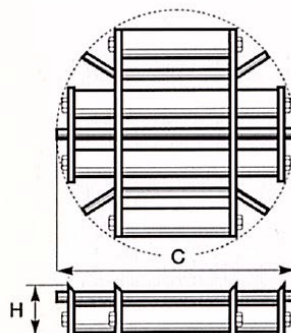
Product manufactured according to EHEDG standards, which guarantee the correct hygienic design and maintenance of food production systems.

Rectangular grids

| C mm | B mm | H mm | Free area mm ² | WEIGHT Kg |
|------|------|------|---------------------------|-----------|
| 100 | 100 | 40 | 39 | 1 |
| 150 | 150 | 40 | 88 | 2 |
| 200 | 200 | 40 | 156 | 3 |
| 250 | 250 | 40 | 255 | 5 |
| 300 | 300 | 40 | 348 | 6 |
| 400 | 400 | 40 | 617 | 9 |
| 500 | 500 | 40 | 965 | 15 |
| 600 | 600 | 40 | 1382 | 21 |



Other dimensions under request



Circular grids

| C mm | H mm | Free area mm ² | WEIGHT Kg |
|------|------|---------------------------|-----------|
| Ø100 | 40 | 39 | 0,5 |
| Ø150 | 40 | 92 | 1,5 |
| Ø200 | 40 | 126 | 3 |
| Ø250 | 40 | 210 | 4 |
| Ø300 | 40 | 236 | 5 |
| Ø350 | 40 | 409 | 7 |
| Ø400 | 40 | 512 | 8 |
| Ø450 | 40 | 550 | 10 |
| Ø500 | 40 | 780 | 13 |
| Ø550 | 40 | 948 | 16 |
| Ø600 | 40 | 1140 | 20 |

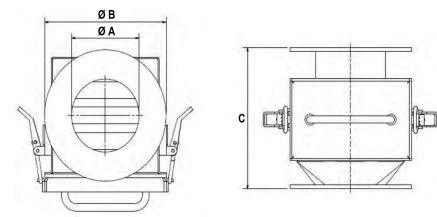
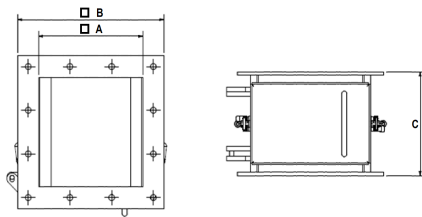
Other dimensions under request

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MODEL: GRID IN HOUSING

In this version, the bars that make up the grid are also inside extractor covers, but in addition, the grid is mounted in a housing that can be joined directly to the transport system. The housing can contain one, two or more layers of grids, depending on the need (amount of iron contamination contained in the material flow).

Cleaning is carried out in two stages: first the bars together with the covers are removed from the housing and then the bars are removed from the covers. In this way, when the covers are no longer under the influence of the magnetic field, they will release all the retained iron pollution and this can be collected outside the system. When the covers are clean, the bars are put back inside the system and the whole set inside the housing. It will be ready to continue with the separation.



| A mm | B mm | C mm | WEIGHT Kg |
|------|------|------|-----------|
| 150 | 230 | 190 | 9 |
| 200 | 280 | 190 | 11 |
| 250 | 330 | 190 | 12 |
| 300 | 380 | 190 | 14 |
| 400 | 480 | 190 | 17 |
| 500 | 580 | 190 | 20 |

| A mm | B mm | C mm | WEIGHT Kg |
|------|------|------|-----------|
| 50 | 165 | 281 | 9 |
| 100 | 220 | 282 | 11 |
| 150 | 285 | 294 | 12 |
| 200 | 340 | 297 | 14 |
| 250 | 395 | 299 | 17 |
| 300 | 445 | 322 | 20 |

