



**Product name : Magnetic drawer 135x135x300/2xD129/N**

## PERFORMANCE PARAMETERS

|  |   |
|--|---|
| Manufacturer                                 | Enes Magnesy  |
| magnetic drums diameter                      | 32 [mm]   |
| Internal diameter                            | 129 [mm]  |
| Height                                       | 300 [mm]  |
| Maximum magnetic field over the middle poles | 0,65 [T], 6500 [Gs] +/- 5%  |
| Maximum working temperature                  | ≤ 80 °[C]   |
| Housing                                      | stainless steel, AISI 304 / EN 1.4301, approved for contact with food |

Drawer magnetic separators are used to capture soft magnetic elements (steel filings, screws, nails, etc.) from loose materials (e.g. powders, granulates, grains). They can be used in the food industry (the version made of stainless steel housing OH18N9(1.4301)(304), as well as in the processing of plastics, recycling, ceramics and many others.

Internal magnetic grids made of acid-proof steel contain a magnetic circuit made of neodymium magnets. The surface of three magnetic rollers with a diameter of 32 mm built into the separator is magnetically active. The space between the rollers is completely filled with a magnetic field, which, with high magnetic induction on the surface of the rollers, gives the highest capture efficiency. The drawer structure makes cleaning much easier and faster. Captured soft magnetic elements fall off automatically after sliding the drawer with the magnetic grate outside the box, and then removing the magnetic elements from the protective tubes. The separator connection on both sides is a channel with an internal diameter of 129 mm, and the flange diameter is 190 mm. The total height of the separator is 315 mm.

**On request, we make magnetic separators of any size. Magnetic parameters, operating range and dimensions are selected in accordance with customer requirements.**

The magnetic induction over the middle poles on the surface of the casing tube of the magnetic shaft is min. 0.650 [T].

Sintered neodymium magnets with remanence induction of about 1.3 [T] (~13000 Gs) were used in the magnetic separator. The maximum operating temperature for magnetic separators with neodymium magnets is approx. **800[C]**.

The product is designed to work under atmospheric pressure.

**The magnetic inserts of the separator (removed from the casing pipes during cleaning) must not come into contact with water, water-based liquids, steam, and must not work in an atmosphere with high humidity; dry clean.**

The weight of the separator is: ~9.5 [kg]

## TECHNICAL DRAWING

