

## Drum Magnet DFRT



### Drum Magnet DFRT – offering top-quality for your products

This Drum Magnet has been designed for removing ferrous items from granular or mealy products. It is applied in the feed manufacturing industry, flour milling, oil mills, and other areas involving similar products.

#### Features



Hygienic design



Self-cleaning and maintenance-free



Optimum removal of magnetic metal parts

### Applications



Granular products



Flour mill



Oil mill

### Design

It is a steel housing with a top-mounted material arrester and distribution device, including two lateral inspection doors. The inlet section is equipped with an adjustable segment-type gate, covering the stainless drum jacket. The required magnetic force is provided by permanent magnets installed inside the drum. Depending on the requirement, ferrite (1400 Gauss) or neodymium (3100 Gauss) magnet can be selected. The drum is powered by a shaft-mounted 0.37-kW gear motor.

## Mode of operation

The material is stopped by a brake inside the inlet distributor and spread across the width of the machine. The segment-type gate allows the desired depth of material to be selected on the rotating drum. Any ferrous items contained in the product are held on the surface of the rotating drum by magnetic force and carried to the non-magnetic

zone where they fall into the tramp iron outlet. This magnetic separator is self-cleaning and maintenance-free. The permanent magnets ensure that the magnetic force is retained without any time limit.

## Dimensions and throughput

| Type                 | Dimensions in mm |     |     |      |       |     |      | Throughput<br>m <sup>3</sup> /h |
|----------------------|------------------|-----|-----|------|-------|-----|------|---------------------------------|
|                      | A                | B   | C   | D    | Øi E  | F   | G    |                                 |
| <b>DFRT-200/360</b>  | 410              | 400 | 500 | 900  | 100   | 190 | 800  | 8                               |
| <b>DFRT-200/500</b>  | 550              | 400 | 500 | 900  | 150   | 190 | 800  | 16                              |
| <b>DFRT-310/340</b>  | 460              | 620 | 600 | 1010 | 150   | 190 | 900  | 30                              |
| <b>DFRT-310/640</b>  | 760              | 620 | 600 | 1010 | 200   | 190 | 900  | 70                              |
| <b>DFRT-500/650</b>  | 810              | 920 | 950 | 1600 | 300   | 210 | 1100 | 133                             |
| <b>DFRT-500/1220</b> | 1360             | 920 | 950 | 1600 | 350   | 260 | 1100 | 266                             |
| <b>DFRT-500/2075</b> | 2230             | 920 | 950 | 1800 | 2x350 | 260 | 1100 | 470                             |

