

Feeding and Foreign Part Separation in a Compact Space

DRUM FEEDER DA 376

The drum feeding device distributes the material from a pre-hopper evenly across the entire width of the hammer mill. By regulating the speed of the drum, the amount of material can be charged depending on the mill motor load.

The drum feeder is additionally used for aspiration of the hammer mill and for continuous separation of foreign bodies of all kinds by means of a magnet and cross-flow sifting.



Your Advantages

Precise Feeding and Efficient Foreign Body Separation

- Load-dependent feeding of the hammer mill in combination with a controlled frequency converter
- An extra strong permanent magnet for the separation of magnetic foreign bodies
- Cross-flow sifting for separation of non-magnetic foreign bodies and heavy parts
- Air flow adjustable to product properties with vanes
- Pneumatically operated slide gate for shutting off the pre-hopper after the end of the batch
- Integrated empty indicator

Reliable Operation and Long Service Life

- Robust welded steel construction for continuous industrial operation (24/7)

High Availability

- Avoidance of mill downtimes due to damage caused by foreign bodies
- Easy access for cleaning and maintenance through maintenance doors
- Magnet can be pulled out for easy cleaning
- Catch tray for cleaning the magnet, is hooked into the door opening
- Easy emptying of the heavy parts catch tray

High Safety of Personnel and Plant

- Pressure shock resistant and flameproof design (0.4 bar)
- ATEX design according to zone 21 (II 2 D) inside and 22 (II 3 D) outside optionally possible

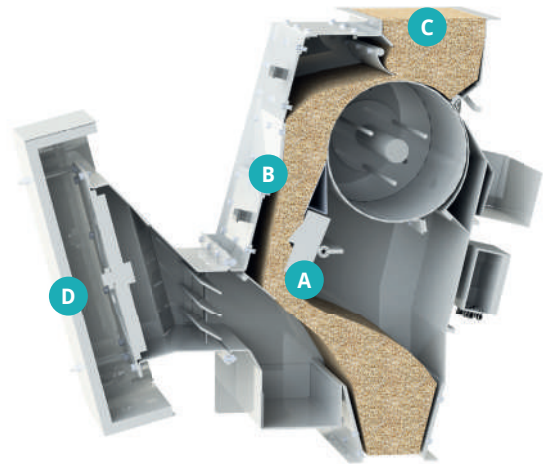
Technical Details

Type	DA 376
Throughput capacity at 0.6 t/m ³ (t/h)	46.8
Throughput (m ³ /h)	78
Air volume (m ³ /min)	80-100
Dimensions and Weight	
Working width (mm)	760
Installation height (mm)	1500
Width (mm)	1310
Depth (mm)	1200
Weight (approx. kg)	500
Drive	
Gear motor (kW)	1.5

Standard Supply and Options

Standard Scope of Supply:

- Pressure shock resistant up to 0.4 bar and flameproof
- Extra strong permanent magnet
- Cross-flow sifting with adjustable vanes
- Pneumatically actuated slide gate
- Capacitive empty indicator in the inlet area
- Collecting tray for cleaning the magnet
- Air inlet with sound absorbing cover
- Multi-layer coating

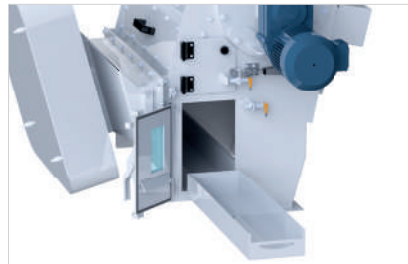


Option:

- Aspiration air valve A-Vent for explosion isolation of the inlet for the aspiration air: If a dust explosion inside the hammer mill occurs, the A-Vent closes and isolates against the ambient
- ATEX version according to Zone 21 (II 2 D) inside and Zone 22 (II 3 D) outside



A Magnet can be pulled out for cleaning



B Removable catch tray for heavy parts



C Pneumatic slide gate



D Aspiration air valve A-Vent for explosion isolation (optional)