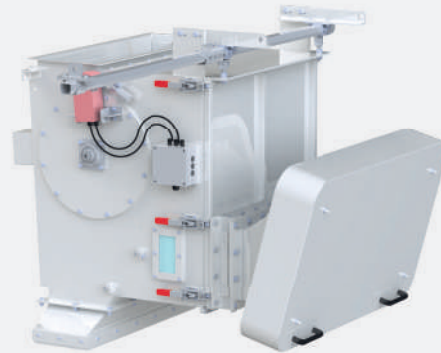


Feeding and Foreign Part Separation in a Compact Space

DRUM FEEDER DA

The drum feed device distributes the material from a pre-hopper evenly over the entire width of the mill. By regulating the speed of the drum, the amount of material the mill can be charged load-dependent.

The drum feeder is additionally used for aspiration of the hammer mill as well as for continuous separation of foreign bodies of all kinds by means of two magnets 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
- Two extra strong permanent magnets for the separation of magnetic foreign bodies
- Cross-flow sifting for separation of non-magnetic foreign bodies and heavy parts
- Air flow adjustable to the product properties with vanes
- Pneumatically locked shut-off flap for shutting off the pre-hopper after the end of the batch
- Integrated empty indicator for controlling the shut-off flap

Reliable Operation and Long Service Life

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

High Availability

- Avoidance of mill downtimes in case of damage by foreign bodies
- Easy access for cleaning and maintenance through flaps and a sliding door
- Magnets easy to clean
- Catch tray for cleaning the magnets, is hooked into the door opening
- Easy cleaning 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 547 | DA 576 | DA 595 |
|---------------------------------------------------|--------|--------|--------|
| Throughput capacity at 0.6 t/m ³ (t/h) | 42 | 63 | 81 |
| Throughput (m ³ /h) | 70 | 105 | 135 |
| Air volume (m ³ /min) | 100 | 160 | 210 |
| Dimensions and Weight | | | |
| Working width (mm) | 470 | 760 | 950 |
| Installation height (mm) | 1230 | 1230 | 1230 |
| Width (mm) | 990 | 1300 | 1490 |
| Depth (mm) | 730 | 930 | 1218 |
| Weight (kg) | 530 | 600 | 650 |
| Drive | | | |
| Gear motor (kW) | 1.5 | 1.5 | 1.5 |

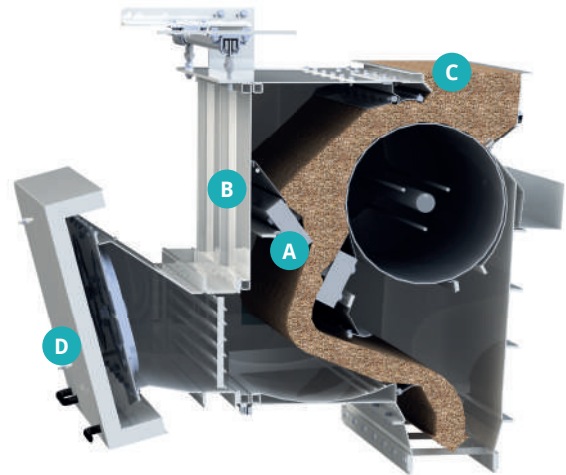
Standard Supply and Options

Standard Scope of Supply:

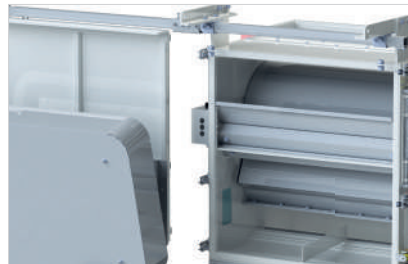
- Pressure shock resistant up to 0.4 bar and flameproof
- 2-stage magnetic cascade,
- Cross-flow sifting with adjustable vanes
- Manual slide to adjust the product layer height
- Capacitive empty indicator in the inlet area
- Collecting tray for cleaning the magnets
- Air inlet with sound absorbing cover
- 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 design according to zone 21 (II 2 D) inside and zone 22 (II 3 D) outside
- Electronically controlled slide to adjust the product layer height



A Upper Magnet can be pulled out for cleaning



B Sliding door for good accessibility to the lower magnet and the heavy parts catch trap



C Electronically controlled slide to adjust the product layer (option)



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