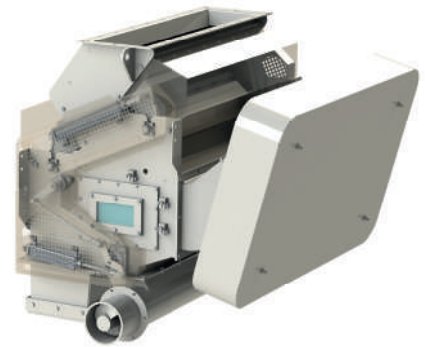


FOREIGN PARTS SEPARATOR AGS AD

OPTIMUM PROTECTION OF THE MILL WITH MINIMUM PERSONNEL INPUT.

The air gravity separator AGD AD serves to aspirate the hammer mill and, at the same time, to continuously separate all kinds of foreign particles.

Via pneumatically swivelling magnets and flaps, the foreign particles are cleaned off fully automatically and discharged into a collecting screw in a time-controlled manner. The collecting screw discharges the material via a lateral pipe. To ensure pressure surge resistance, the pipeline is closed via a pipe flap during emptying. A separate control system monitors this process. The foreign parts separator is ideally suited in combination with our dosing screw TTS for optimal feeding of the hammer mill and is available in four working widths to match our mills.



EFFICIENT FOREIGN OBJECT SEPARATION

- Two extra strong permanent magnets for the separation of magnetic foreign bodies
- Cross-flow sifting for separating non-magnetic foreign objects, air flow adjustable with baffles
- Fully automatic cleaning of the magnets and emptying of the foreign object collection tray (pneumatically operated)
- Discharge of foreign particles via an integrated screw conveyor
- Discharge of foreign particles via a pipe at the side of the mill, e.g. into a collection container

RELIABLE OPERATION AND LONG SERVICE LIFE

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

HIGH AVAILABILITY

- Avoidance of mill downtimes in the event of damage by foreign bodies
- Fully automatic cleaning without the need for personnel

HIGH LEVEL OF SAFETY FOR PERSONNEL AND PLANT

- Tested and certified in pressure shock resistant and flameproof design (0.4 bar)
- ATEX version according to zone 22 (II 3 D) possible outside
- Pressure surge resistance also guaranteed during the cleaning process by a pipe flap

TECHNICAL DETAILS

Typ	AGS 650 AD	AGS 800 AD	AGS 1000 AD	AGS 1200 AD
Max. throughput (0,6t/m ³)	55 t/h	63 t/h	80 t/h	92 t/h
Max. throughput	90 m ³ /h	105 m ³ /h	132 m ³ /h	154 m ³ /h
Air flow at 11 m/s	95 m ³ /min	110 m ³ /min	140 m ³ /min	176 m ³ /min
Dimensions and Weights				
Working width	650 mm	760 mm	960 mm	1.112 mm
Installation height (approx.)	1.095 mm	1.095 mm	1.095 mm	1.095 mm
Width (approx.)	830 mm	980 mm	1.180 mm	1.380 mm
Depth (approx.)	695 mm	695 mm	695 mm	695 mm
Weight (approx.)	480 kg	500 kg	560 kg	600 kg
Drive				
Gear motor screw	0,18 kW	0,18 kW	0,18 kW	0,18 kW
Pressure feed supply (approx.)	6 bar	6 bar	6 bar	6 bar

ATEX category:
II 3 D

Pressure shock
resistance:
0,4 bar

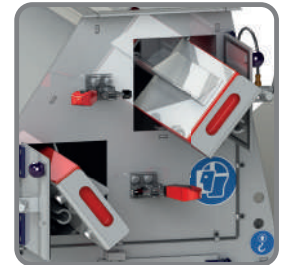
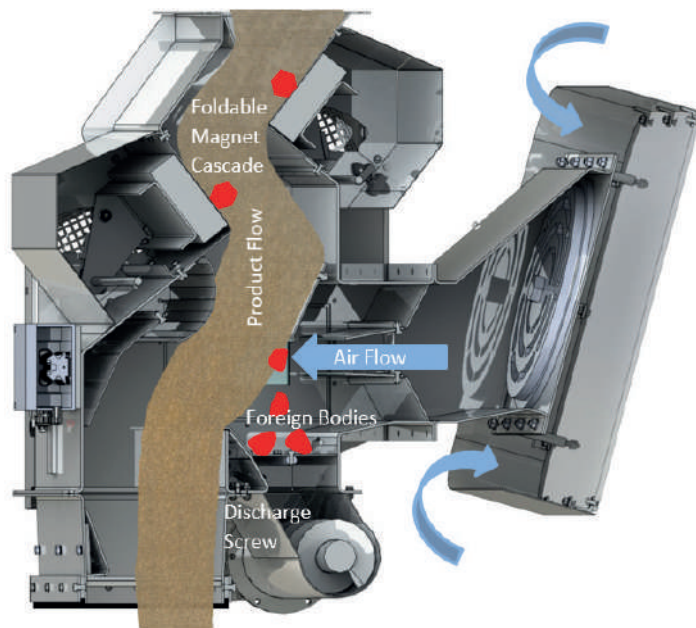
STANDARD SUPPLY AND OPTIONS

STANDARD SCOPE OF SUPPLY:

- Pressure shock resistant up to 0.4 bar and flameproof
- 2-stage magnetic cascade, magnets can be swivelled pneumatically for cleaning swivelling
- Cross-flow sifting with adjustable baffles
- Pneumatically operated foreign parts catcher tray
- Discharge screw with gear motor
- Piping at the side of the mill with pneumatically operated pipe flap
- Air inlet with sound-insulating hood
- Local control for the cleaning cycle

OPTIONAL EQUIPMENT:

- Aspiration supply air valve A-Vent for explosion decoupling of the inlet for the aspiration air: in the event of a dust explosion inside the hammer mill, the A-Vent shuts off the interior from the the environment
- ATEX design according to Zone 21 (II 2 D) inside and Zone 22 (II 3 D) outside



For cleaning, swivelling magnets, pneumatically operated



Pneumatically emptiable foreign part catch tray



Screw for foreign part discharge



AGS AD in combination with a hammer mill



Aspiration supply air valve A-Vent for explosion decoupling (option)