



MS Series Separators



Purpose

Separates pneumatically conveyed material from air

Application

Bulk fiber handling; Trim collection for poly leg cuts, bag tails, and bowties; Reject product handling; Cull collection.



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MS Series Separators

Operation

The Osprey MS series separators operate under negative pressure allowing for varieties of fiber, cull, or trim to be pulled rather than blown from the production space. There is no contact with the transport mechanism. This reduces damage to the waste product and additional dust. Material can be transported more than 100 meters from the production line.

Air and material enter the separator through the inlet port where the material is pushed down by a revolving paddle. The material is then transported out of the bottom by a flighted discharge roll that also acts as an airlock. The transport air is discharged through the lower screen and then can be conveyed to a filter if required.

Maximum Capacity

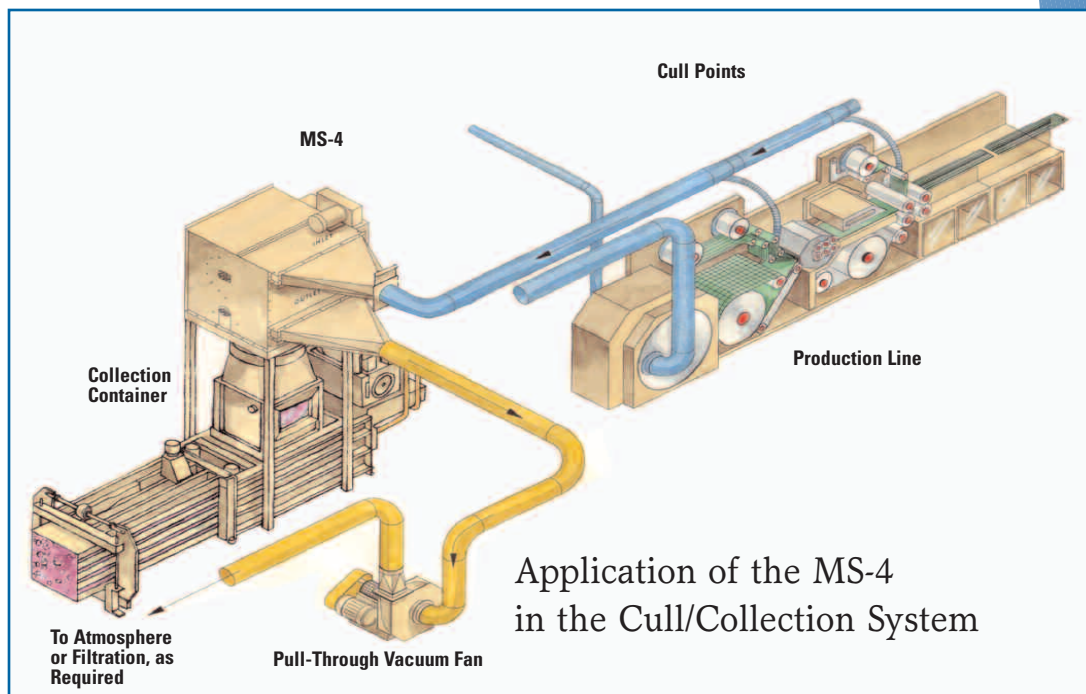
MODEL	NOMINAL MAX AIR VOLUME	HORSEPOWER
MS-2	2,500 CFM (4,250 M ³ /Hr)	1.5 HP (1.1 KW)
MS-4	6,000 CFM (10,200 M ³ /Hr)	2 HP (1.5 KW)
MS-10	11,500 CFM (19,550 M ³ /Hr)	(2) 2 HP (1.5 KW)
MS-12	13,500 CFM (22,940 M ³ /Hr)	(2) 2 HP (1.5 KW)
MS-14	15,500 CFM (26,340 M ³ /Hr)	(2) 2 HP (1.5 KW)

Features

- Quick Change screen assembly for easy and fast replacement through the front access door.
- Variety of application specific screens are available including non-stick coating for poly trim applications and proprietary stainless diffusion bonded screens for fiber applications.
- AC inverter drives are available to minimize wiper wear and allows for a range of material flow control.
- Full view windows for the motor, drive and front operational areas.
- All units available with a horizontal or vertical top inlet.
- Available in standard and metric designs with CE mark.

Application Options

- Leg cutouts
- Bag tails
- Reject diapers
- Reject diaper destruction
- Skeletons
- Bowties
- Reject napkins
- Bulk fiber handling
- Reclaim scrap



Application of the MS-4 in the Cull/Collection System