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HVS-180 SERIES
Radial baler

Radial baler

The **HVS-180 Series** Radial Baler is intended to package compressible bulk products such as natural or synthetic fibers. It is designed to perform densification in the gusset direction, which provides bales with a flat face, thus easier to palletize. Since the machine uses a two-stage densification system, the ratio can be up to 30:1 depending on the application requirements and product characteristics.

Applications

The HVS-180 Series is ideal to package natural or synthetic fibrous materials such as fiberglass, ceramic fiber insulation, wood fiber, etc.

Features and benefits

- Ruggedly constructed including high quality components that meet the highest standards of heavy industry
- Densification ratio up to 30:1 thus reducing shipping and packaging material costs
- Standard 40 and 80 ft³ (1.1 and 2.3 m³) weigh hopper capacity (other capacities available)
- Heavy-duty hydraulic cylinders for the three major movements and pneumatic cylinders for remaining mechanisms
- Hydraulic rams designed with double sealed heads with in-between drain port for leak detection
- Allen-Bradley control system (PLC) with electronic operator interface for easy troubleshooting and error code reading
- Load cell-based electronic weight control
- Dust collection ports strategically located
- Can be fully automated (bag placer and sealer) with addition of HAT Series (for tubular bags) or HAS Series (ready-made bags)
- Designed for harsh environments

Options

- Bag clamp
- Centralized dust collection ports
- Collapsible spout
- High wear resistance surfaces
- High speed version, etc.

The **HVS-180** is equipped with a densification chamber fed by a load cell-mounted weigh hopper, which dispenses a pre-set, accurately weighed charge of product. The first densification stage occurs when the moveable wall of the chamber comes to its upright position. A vertical ram then performs the second stage, descending to densify the product to its final volume.



Moveable wall



Densification chamber (door open)



Production rate

Up to **3 BPM*** with high speed option

* Depending on product characteristics, method of feeding, bag size and thickness, etc.

Technical data

Typical equipment dimensions:	Length: 144" (3658 mm) Width: 231" (5882 mm) Height: 348" to 378" (8839 to 9601 mm)
Bale dimensions:	Face width: 4.5" to 12" (115 to 305 mm) Length: 12" to 16" (305 to 406 mm) Gusset: 4" to 6" (100 to 150 mm)
Bag specifications:	Material: Polyethylene, wicketed bags Thickness (PE): 2 to 4 mils (50 to 100 µm)
Densification ratio*:	Up to 30:1
Accuracy*:	± 1/2 lb (227 g) @ 2 sigma
Dust collecting requirements:	6000 scfm (169 901 L/min)
Air consumption:	Up to 26 scfm @ 100 psi (736 L/min @ 7 bars)
Electrical requirements:	460 V / 3 Ph / 60 Hz (other voltages available)
Ambient temperature:	40 °F to 95 °F (5 °C to 35 °C)

* Densification ratio and accuracy obtained are dependent upon product characteristics, method of feeding, bag size and thickness, etc.



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