

# HB Series Ribbon Blenders

## Product Data



# HB SERIES

## Ribbon Blenders 200-2000 Litres



The AVE Technologies HB Ribbon Blender Series are horizontal shaft ribbon blade mixers, designed for various bulk densities of powder or granular products.

Due to the agitator's unique design, the HB Ribbon Blenders move material inside the trough towards the discharge point, thoroughly mixing the contents without any dead spots.

All contact parts are from stainless steel SS304 fitted on a stand steel base. Construction is fully welded and built to cGMP standards.

The series offers a full range of capacities, from 200 to 2000 litres.

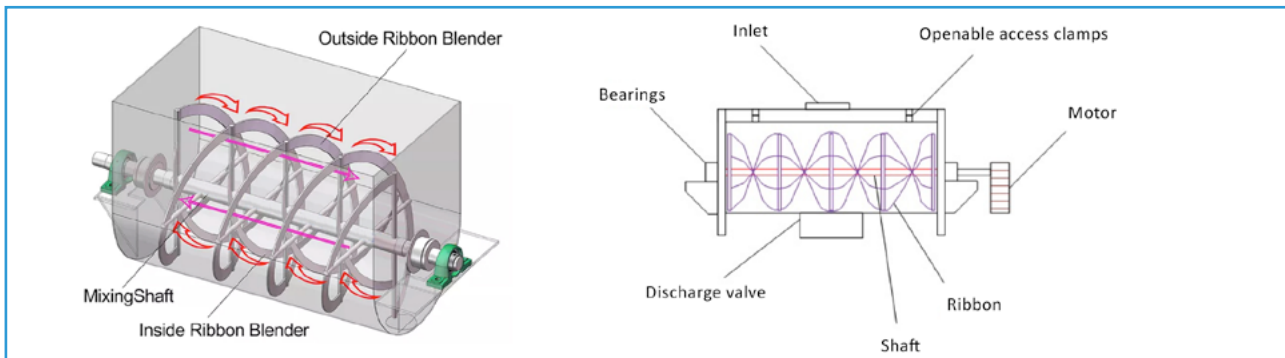


### Standard features include:

- Easy cleaning and operation
- Fully welded build
- Air purge shaft seals
- Safe locking lid with gas struts
- Discharge valve pneumatically operated
- CE mark and cGMP constructed

Production rates may vary depending on machine speed, fill material viscosity, and operator experience.



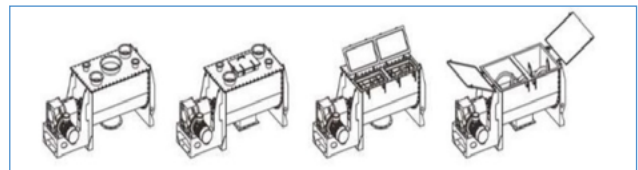


### Ribbon blender

The stainless steel ribbon blender consists of a double layer design with an inside and outside blender fixed to the drive shaft, to create thorough double-direction mixing, with no 'dead spots'. The butterfly valve is stainless steel, manually operated and very reliable.

### Inlets

Various inlets in the top cover allow for different situations. They can be used as man hole, cleaning door, feeding hole, vent or dust collecting hole. The top cover can be designed as a fully opening lid, if desired.



### Technical Specifications

Model	HB200	HB300	HB500	HB1000	HB1500	HB2000
Fill Volume	200L	300L	500L	1000L	1500L	2000L
Rotating speed	46 rpm	46 rpm	46 rpm	46 rpm	46 rpm	46 rpm
Trough base thickness	3 mm	3 mm	3 mm	4 mm	5 mm	6 mm
Trough wall thickness	6 mm	8 mm	8 mm	8 mm	8 mm	12 mm
Mixing Blade	6 mm	6 mm	6 mm	8 mm	10mm	12mm
Dimensions (L)	1400 mm	1530 mm	1700 mm	2000 mm	2400 mm	2600 mm
Dimensions (W)	900 mm	1000 mm	1200 mm	1300 mm	1400 mm	1500 mm
Dimensions (H)	1450 mm	1550 mm	1700 mm	1960 mm	2050 mm	2200 mm
Weight	250 Kgs	350 Kgs	500 Kgs	700 Kgs	1000 Kgs	1300 Kgs
Power	4 kW	5.5 kW	7.5 kW	11 kW	15 kW	22 kW
Compressed Air	4-6 Bars					
Electrics	220-415V, 3 pH, 50/60Hz					



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## **AVE Technologies also offer:**

Tablet Compression Solutions

Encapsulation Solutions

SoftGel Systems

Counting Line

Blister Packers

Coating Systems

Cartoners

The quality of our products is our first consideration from conceptual design to final commissioning. All activities in the manufacture process are in accordance with the company's Quality Assurance Manual and International Standards Directive BS EN ISO 9001:2008. The production site where the products are made has been assessed and given ISO 9001:2008 approval.

All equipment is manufactured to allow it to be CE marked in accordance with 98/37/EC Machinery Directive, inclusive of but not necessary limited to the following standards:

- EC Machines Directive 98/37/EEC
- EC Low Voltage directive 73/23/EEC
- Electromagnetic Compatibility Directive 89/336/EEC
- Safety of Machinery BS EN 12100:2010
- General Requirements Electrical Equipment of Machines EN60204-1
- Safety of Machinery fluid Power Systems and their components BS FN 4414:2010
- Cleanroom and Contained Enclosures Standards ISO14644 Pt 1 - 7
- Validation of Automated Systems in Pharmaceutical Manufacture ISPE GAMP
- Pressure Equipment Directive 97/23/EC (where applicable)

All images are for illustrative purposes.  
Specifications are subject to regular updating. Please contact AVE Technologies for latest product details.

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