

Inclined Barrel Mixer Series MBM & BM



Principle of Operation

The Inclined Barrel Mixer is an economical low intensity mixer designed to achieve homogeneity quickly. Depending upon the materials being mixed, homogeneity is reached within 15 to 60 seconds.

Using a counter-current flow pattern, the mixer agitator pushes the material uphill against gravity. Gravity pulls the material in the opposite direction towards the bottom outlet. Material is also simultaneously folded over itself by the agitator. Low-point bottom discharge insures complete clean-out either through a dump valve or by vacuum.

Operation may be on either a batch or a continuous basis.

Design Features

The Inclined Barrel Mixer consists of an inclined cylindrical housing with a center mounted agitator. The constant speed A.C. drive is mounted on the bolted cover which has a hinged access door and a safety switch. The single agitator is designed for efficient mixing at low tip speed. This design decreases power requirements as well as material degradation due to attrition, impact, or temperature rise.

The rugged welded carbon steel housing is supplied with integral leg supports for floor or machine mounting. A 6" dia. inlet and a 6" dia. outlet with a manual slide gate dump valve are standard. The standard mixer control is timer based, but may be designed for on-demand operation or as part of Foremost's line of volumetric or gravimetric multi-ingredient blenders.

Options include positive closure inlet and dump valves, as well as in-line vacuum loading and unloading.

Standard Features

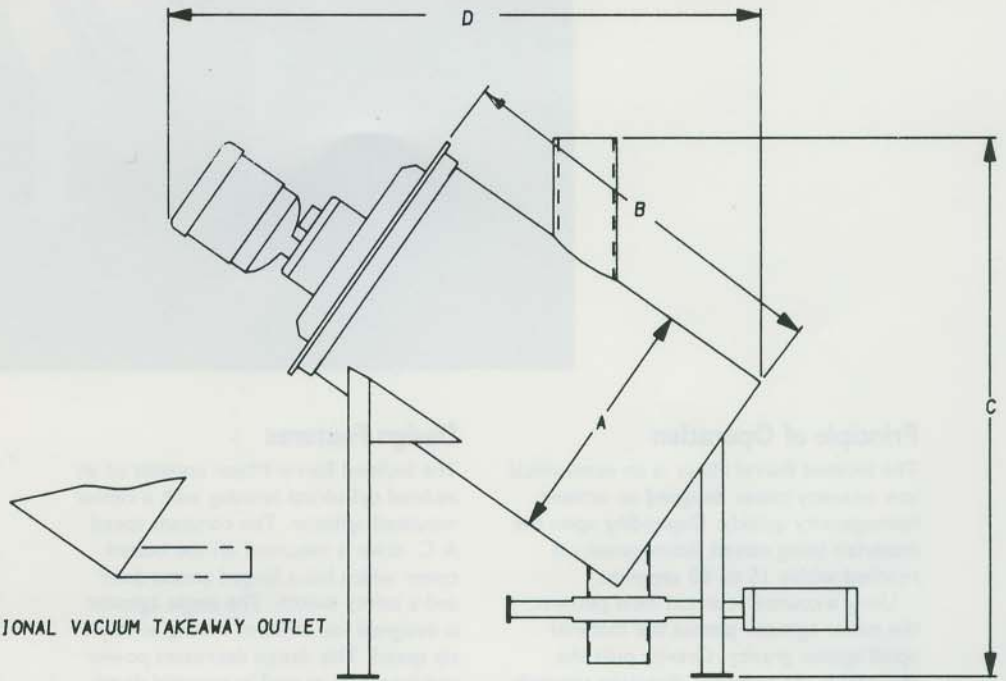
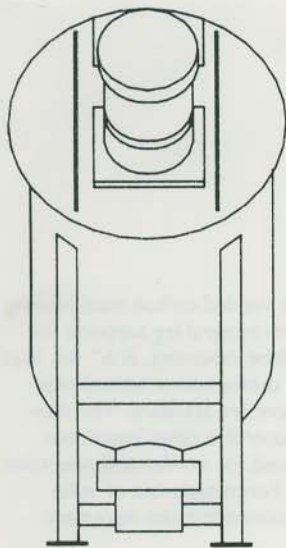
- E = Electrical M = Mechanical
- E • NEMA 12 control panel
 - E • Mixer timer controls
 - E • Access door safety switch
 - M • Welded carbon steel construction
 - M • 6" dia. inlet
 - M • 6" dia. bottom outlet with manual slide gate
 - M • Integral support legs

Options

- Stainless steel construction for sanitary applications
- Foremost vacuum chambers with controls for automatic loading and unloading
- Controls for on-demand, continuous automatic batching
- Can be supplied for hazardous areas

Foremost's Complete Line of Material Handling Equipment

- Bag Dump Stations
- Blower Packages
- Dehumidifying Hopper Dryers
- Dust Collectors
- Flexible Spiral Loaders
- Granulators
- Gravimetric Blenders
- HSF Horizontal Screw Feeders
- Inclined Barrel Mixers
- Multi-Draft Weighers
- PEF-II Pellet Feeders
- Pneumatic Conveyors
- Portable and Central Chillers
- Tilt Tables
- Turnkey Integrated Systems
- Volumetric Blenders
- VTF Vertical Screw Feeders
- Weight Inventory Control Systems



OPTIONAL VACUUM TAKEAWAY OUTLET

INCLINED BARREL MIXER MODEL NO. MBM & BM

Mixer Model No.	A	B	C	D	Working Capacity	Motor HP
MBM-150	12"	24"	18"	44"	0.75 cu. ft.	1/2
BM-275	16"	24"	26"	44"	1.50 cu. ft.	3/4
BM-650	24"	26"	44"	46"	4.0 cu. ft.	1-1/2
BM-1000	24"	37"	49"	54"	5.0 cu. ft.	3
BM-1500	30"	37"	58"	58"	8.0 cu. ft.	3
BM-2100	36"	36"	58"	60"	10.0 cu. ft.	5

NOTE: Above dimensions are approximate and are subject to change without notice.

FOREMOST®

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