

MB Series Vacuum Systems

CLEMCO



Model MB-750 E4 shown with optional rotary airlock

**Versatile,
Powerful,
Flexible,
Proven**

- **Simple design ensures trouble free operation**
- **Rugged construction withstands harsh environments**
- **Easily portable with lifting eyes and forklift slots**
- **Modular for job site flexibility**
- **Efficient integral reverse-pulse dust collection**
- **Quiet**

Clemco MB Series Vacuum Systems are rugged yet simple solutions for job site abrasive recovery and clean up. Five sizes provide recovery rates from 2 tons to 35 tons per hour at distances up to 400 feet. Each system is engineered for targeted recovery rates and distances.

Each job site presents variable conditions and unique challenges. Even when weather is ideal, the recovery rate may vary and will depend upon many factors, among them: job site layout, abrasive loading method, conveying hose length and configuration, and operator skill.

System components are connected by suction hose, allowing for flexibility to suit the job site layout.

MB systems include the suction module, storage hopper, conveying hose and pickup tools. The suction module comprises: an electric-driven rotary blower, an acoustic-baffled housing, an auto-sequenced reverse-pulse dust collector with PLC timer, and exhaust silencer.

The dust collector features heavy-duty cartridges, for long wear life, and easy access doors to the filter bank.

MB Series Vacuum Systems are engineered and fabricated by Munkebo Clemco A/S, a Clemco company, an acknowledged world leader in abrasive recovery equipment for portable and fixed installations.

For decades, Munkebo Clemco has designed and built cutting-edge technologies for site containment and cleanup, abrasive recovery and recycling, dust collection, and dehumidification.

Most MB Series products are manufactured in Denmark, with final system assembly in Washington, Missouri. The shipping point for most systems is FOB Washington, Missouri.

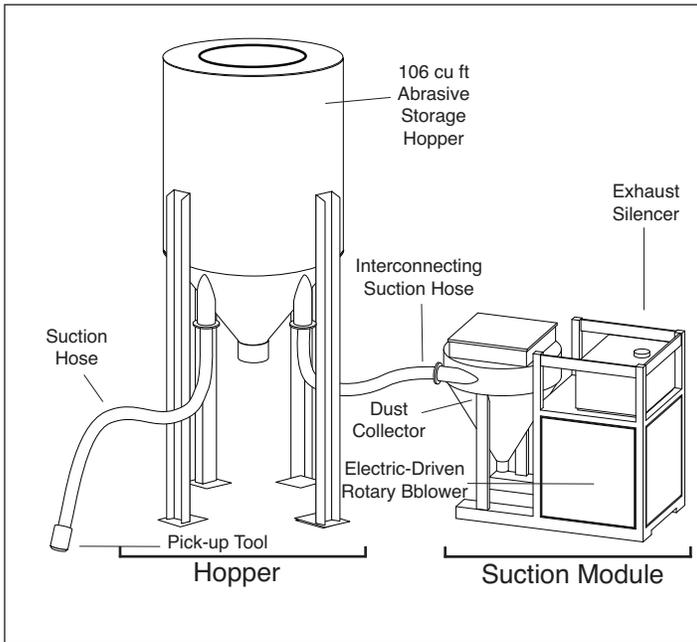
MB systems are completely portable, as they are supplied with lifting eyes and forklift pockets, and the housing of each unit is specially reinforced to withstand the harshest of conditions.

These vacuum systems are powered by enclosed electric-driven rotary blowers, ranging in HP from 20 to 150. The blowers are low-maintenance, low-power consumption, and are air-cooled guarding against overheating. The acoustic housing ensures a quiet operation.

Systems are configured for steel abrasive and also for mineral/slag abrasives. Choose the appropriate system for the application.

Applications

- ✓ Tanks and vessels: storage, transportation and manufacturing
- ✓ Ship and rail yards
- ✓ Energy-based blasting: power plants, dams, and off-shore
- ✓ Transportation: bridges, tunnels, and roadways
- ✓ Any blast site where cleanup is desirable or mandatory



General Arrangement for MB-1600 E5 / MB-2000 E5

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All systems are configured for ONE operator.

Systems for steel abrasives include: suction module with control panel, electric-driven rotary blower, auto-sequenced reverse-pulse dust collector with electronic PLC timer, exhaust silencer, abrasive storage hopper, suction hose for vacuuming and interconnecting system components, and a pick-up tool.

Systems for mineral / slag abrasives include the same components as the steel systems plus the pre-separator cyclone and necessary interconnecting hose.

The pre-separator, not shown, is required when mineral / slag or similar abrasives are being recovered. Choose the system that suits the application.

Electrics: 460 volt 3 phase 60 hz

Systems can be tailored to suit customer requirements.

Specifications / Ordering Information

Model	MB-750 E4	MB-1600 E5	MB-2000 E5	MB-3000 E5	MB-5000 E5
Systems for Steel Abrasives	27640	27641	27642	27643	27644
Systems for Mineral/Slag Abrasives	27700	27701	27702	27703	27704
*Recovery rate per hour	Up to 6 tons	Up to 10 tons	Up to 15 tons	Up to 20 tons	Up to 35 tons
Recovery distance (maximum)	100 ft max	100 ft max	150 ft max	250 ft max	400 ft max
Storage hopper capacity	56 cuft	106 cuft	106 cuft	200 cuft	200 cuft
Electric-driven rotary blower	20 HP	40 HP	60 HP	100 HP	150 HP
Suction hose	3" ID x 75 ft	4" ID x 100 ft	4" ID x 100 ft	5" ID x 100 ft	6" ID x 100 ft
Suction hose (interconnecting)	3" ID x 25 ft	4" ID x 25 ft	4" ID x 25 ft	5" ID x 25 ft	6" ID x 25 ft
Pick-up tool	3" ID	4" ID	4" ID	5" ID	6" ID
Hose and Couplings	3" ID	4" ID	4" ID	5" ID	6" ID
Bulk suction hose (sold per/ft)	04049	04048	04048	08781	08780
Minimum/maximum lengths	25 ft/100 ft	25 ft/50 ft	25 ft/50 ft	25 ft/50 ft	25ft only
Hose couplings (order one cplg per add'l hose length)	27446	27447	27447	27448	27449
Pre-separator Assemblies	MB-CY-3	MB-CY-4	MB-CY-4	MB-CY-5	MB-CY-6
To convert from steel to mineral/slag abrasives	27715	27716	27716	27718	27719

*Recovery rates shown are estimates only. Many variables affect recovery rates: such as site layout, abrasive loading method, hose length, and operator skill.

Authorized Distributor:

ISO 9001:2008 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

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Stock No. 09322

info@clemcoindustries.com • www.clemcoindustries.com

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