

Manual Vacuum System



the way you think about mixing and processing



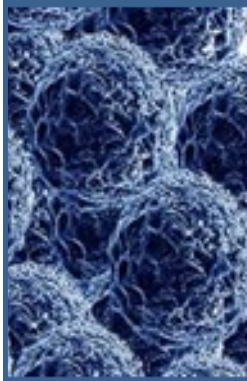
Sintered Metals



Technical Ceramics



Viscous Mixes



New Materials

Manual Vacuum System For Resodyn *LabRAM*™ I and *LabRAM*™ II Acoustic Mixers



Key Features

- Consistent, repeatable vacuum
- Can improve mix quality
- Easy installation and operation
- In-line vacuum filter keeps pump clean to reduce maintenance
- Easy to adjust analog control
- Connections and fittings integrated with *LabRAM*™ I & II mixing vessel
- Manual vacuum control is an asset for developmental mixing

Advantages:

- Virtually eliminate material mixing air entrainment
- High-quality, reliable, and accurate
- Ideal for parameter testing and development
- Use multiple mixing and vacuum combinations
- Oilless vacuum pump results in clean operations and very low maintenance

Manual Vacuum System Technical Information

Dimensions (WxDxH)	14" x 19" x 12" (36 cm x 49 cm x 31 cm)
Weight	35 lbs (16 kg)
Vacuum	As low as 20 Torr (27 mbar)
Voltage	110 VAC, 50/60 Hz
Power Capacity	3A at 110VAC, 2A at 240VAC, 50/60Hz



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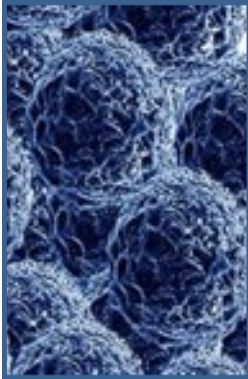
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LabRAM™ II & LabRAM™ I



Repeatable, high-quality mixing with minimal air entrainment in

- Liquids
- Powders
- High viscosity materials

Resodyn Acoustic Mixers' Manual Vacuum System is designed for improved vacuum-assisted mixing with a wide range of materials. Engineered to integrate with the **LabRAM™ I** & **LabRAM II**, all connections and fittings are made for fast set-up and operation.

Combined Innovative Technologies

Since their introduction in 2007, RAM mixers have become the processing technology of choice at many R&D, pilot, and production facilities. A primary reason is RAM's ability to consistently achieve exceptional homogeneity and uniform distribution of mixed materials. Coupled with the **LabRAM™ I** or **LabRAM™ II**, the Resodyn Manual Vacuum System can essentially eliminate air entrainment to further improve product quality.

A **LabRAM™ I** or **LabRAM™ II** equipped with the Manual Vacuum System is easy to use. Line connections require no special tools, and the vacuum cap for the mixing vessels is designed to work integrally with the Vacuum System.

After set-up, select settings on the Vacuum System control panel, and adjust as necessary for development, fine-tuning, or material processing. The operator controls the RAM mixing parameters of acceleration and time, as well as the vacuum set-point and release.

Manual vacuum operation is a valuable tool in the development of mixing routines. When saved, recalled, and implemented in the **LabRAM™ I** or **II**, these routines provide repeatable, consistent results for increased quality, reduced waste, and product performance that changes the way you think about mixing and processing.



Other mixers include:
LabRAM™ II H Mixer,
RAM 5 and RAM 55
Production Mixers



Processing Technology of Choice for Drug Development, Compounding and Manufacturing

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