MorehouseCowles

LAB EQUIPMENT FOR MILLING, DISSOLVING AND DISPERSING

ViscoMAX Multi-Shaft Dissolver

Capacity	1 quart
Size	24" H
Speeds	Variable speed drives in mechanical variable, hydraulic, or variable frequency motor drives.
Power	2 HP
Impeller	Genuine MorehouseCowles Hi-Shear
Instrumentation	Thermowell, thermocouple & NEMA 7 digital readout.
Utilities required	Electrical and clean, dry 100 psi/g air

Every ViscoMax features at least two shafts to disperse material evenly throughout each batch. A high-speed impeller swirls ingredients throughout the tank. While a second, low-speed anchor blade wipes the vessel walls, pushing product continuously back into the high-shear zones for thorough dispersion and mixing.

A third optional shaft can be added to control heat buildup and improve mixing. This intermediate-speed shaft works especially well when mixing products with viscosities of up to 4 million cps.

W-12 Series Dissolver

Capacity	Up to 5 gallon batches
Size	35" in lowered position (max of 47")
Speeds	1000-6000 rpm mechanical variable-speed
Power	1-2 HP explosion proof motor
Impeller	Genuine MorehouseCowles HI-Shear
Instrumentation	Intrinsically safe digital tachometer
Utilities required	Electrical, and clean, dry 80 psi/g air

MorehouseCowles Laboratory Dissolvers include all the oustanding features of full size MorehouseCowles equipment and quickly pay their way in added efficiency and improved productivity. Their ever-increasing popularity, proved in worldwide use and hundreds of applications, affirms the performance records achieved by countless research and manufacturing organizations. Laboratory models require very little material for tests and experiments. They are especially valuable in establishing the formulations of new products to be produced by standard sized equipment. Production experimentation time can be greatly reduced and overall plant output substantially improved with the effective use of MorehouseCowles laboratory equipment.

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LAB EQUIPMENT FOR MILLING, DISSOLVING AND DISPERSING

Zinger® Horizontal Media Mill

Capacity	0-10 gallons per hour
Size	25”H x 20”W x 32”L
Speeds	Variable-speed
Power	1 hp
Instrumentation	Ammeter, Tachometer
Utilities required	Electrical

Patented technology is used iZn this completely sealed, self-contained grinding and dispersion mill to produce superior fine and ultra-fine dispersions. The Zinger media mill uses an exclusive rotor and vessel design to aggressively accelerate media to high velocities through the slurry toward the chamber wall, impacting, shearing and reducing the size of solid slurry particles. This patented design requires less energy and allows use of smaller media to do the work. Low to extremely high viscosity slurries are easily and efficiently processed using our unique rotor and chamber design.

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