

ECM POLY HIGH-EFFICIENCY MEDIA MILL



WAB



ECM Poly (8-liters)

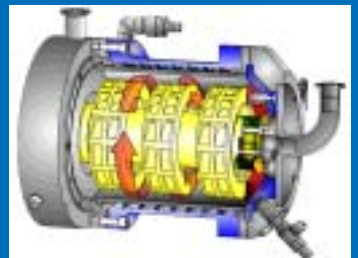
- **REDUCED ENERGY CONSUMPTION**
- **NARROWER PARTICLE SIZE DISTRIBUTION**
- **EASY TO CLEAN AND SERVICE**

Unique accelerator and screen design assures spectacular performance of ECM High-Efficiency Mills.

RECIRCULATION OPERATION...High flow rates assure more passes, resulting in a finer grind, and narrower particle-size distribution of the final product.

DISCREET PASS OPERATION...In coating applications, the ECM Poly 8-liter has proven to perform better than (3) 20-liter conventional mills.

The ECM Poly is the perfect mill for both small and large batch applications.



ECM High-Efficiency Mills are fast, efficient mills for continuous dispersion and wet fine grinding. Main applications are paints, inks, pigments, dyes, fillers, and agricultural chemicals.

For processors requiring superior quality, high production rates, economical power consumption and a small footprint, call us for a demonstration of the ECM High-Efficiency Mills.

ECM PILOT FOR LABORATORY APPLICATIONS AND SMALL BATCH PRODUCTION

- **PRODUCT FORMULATION**
- **RESEARCH AND DEVELOPMENT**
- **DIRECT SCALE-UP**
- **SMALL BATCH PRODUCTION**



CB MILLS / DYNO[®]-MILL ECM HIGH-EFFICIENCY SERIES

OPERATION...In ECM High-Efficiency Mills, media is accelerated by DYNO-Accelerators. The unique construction minimizes media slippage and friction; providing more efficient use of available energy for dispersion. Controlled internal flow patterns concentrate dispersion energy on the product.

GRINDING BEAD SEPARATION...The media is retained in the mill using a wear-resistant screen cartridge. The special DYNO-Accelerators and the construction of the surrounding machine parts are designed to ease the stress of the grinding media on the separator system. This minimizes screen wear and promotes unrestricted product discharge. The screen cartridge can be replaced without opening the grinding container. A variety of media types and sizes can be used. Media is available and shipped from stock.



ECM PRO (18 liters)

Advantages of ECM High-Efficiency Mills

- High Throughputs
- High Capacity
- Optimum Energy Utilization
- Small Process Volume
- Ideal for Circulation Milling
- Easy to Clean
- Easy to Handle
- Screen (service without opening the grinding container)
- Low Energy Consumption

COMPONENTS...

- Vessel available in silicon carbide, hardened stainless steel or aluminum oxide.
- Accelerators available in high chrome alloy steel or aluminum oxide.

SHAFT SEAL...Cartridge-style, double-mechanical seal is easily exchangeable. Pressurized seal is adjusted according to the process conditions.

ECM SERIES SPECIFICATIONS		ECM-Pilot	ECM-Poly	ECM-Pro	ECM-Plus
Grinding Container	Liters/Gal	1.5 / .40	8.0 / 2.1	18.2 / 4.8	23.3 / 6.1
Main Motor	HP	7.5-10	30-40	50-60	50-60
Capacity	Lbs./Hr.	200	220-2200	880-4400	880-5000
Weight	lbs.	794-838	1540-1980	4190-4410	4190-4410
Dimensions H x L x W (approx.)	In.	28 x 44 x 33	66 x 53 x 42	70 x 71 x 40	70 x 75 x 40
Grinding Bead Size	mm	0.3 - 2	0.3 - 2	0.3 - 2	0.3 - 2
Grinding Container Temp.	°F	max. 185	max. 185	max. 185	max. 185
Grinding Container Pressure	PSI	60	60	60	60
Cooling Water	In.	1/2"	5/8"	5/8"	5/8"



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