

CMX Solid-Liquid Mixing System



CMX | Solid-Liquid Mixing in Batch Processes



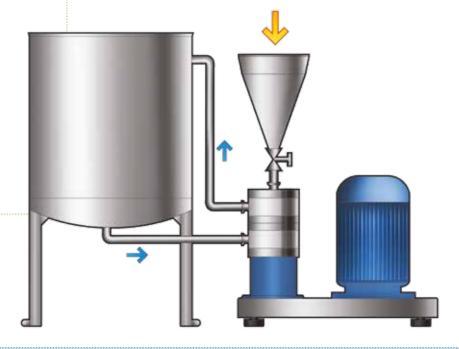
- > Considerable reduction of manufacturing times
- > Prevention of dust and solvent emissions due to enclosed system
- > Reliable prevention of agglomerates
- > Reduced raw material addition time through improved break down of raw materials
- > Prevention of deposits in the container
- > Self-regulating input of solids and liquids

One of a Kind

- > The 2-stage execution with pump and dispersion stage guarantees stable, high-level circulation, even when working with increasing viscosity. This enables extreme suction rates and minimal production times to be achieved.
- > The CMX is easily adapted to fit installation and process requirements, can be installed horizontally or vertically, has a low installation height, and has constant circumferential speeds at varying power frequencies
- > Intelligent accessory components, such as a piston valve for isolating solids with a cleaning function and ability to automate the solid feed quantity



The CMX is commonly used in a recirculation process. An appropriate quantity of solids is incorporated into a fixed volume of liquid using the inline device. The CMX offers a simple, functional and cost-efficient method of incorporating solids into liquids, without the need for additional powder dosing systems or pumps. In a highly efficient inline process, small volumes of powder are dispersed into a highly turbulent area free of agglomerates.





CMX | Technical Data

Туре	Typical batch sizes [1]	Circulation rate [l/h]	Max. diffusion of solids [kg/h]	Motor power [kW]	Max. viscosity of end product [mPas]
CMX 2000/03 (magic LAB®)	2 – 15	1,500	250	0.9	1 – 3,000, up to 200,000 with additional discharge pump
CMX 2000/04 (PROCESS-Pilot)	10 – 250	5,000	1,300	4	1 – 5,000, up to 200,000 with additional discharge pump
CMX 2000/05	100 – 1,000	14,000	4,700	15	1 – 10,000, up to 200,000 with additional discharge pump
CMX 2000/10	200 – 2,500	32,000	8,900	30	1 – 10,000, up to 200,000 with additional discharge pump
CMX 2000/20	800 - 8,000	70,000	16,200	55	1 – 10,000, up to 200,000 with additional discharge pump
CMX 2000/30	3,000 — 15,000	110,000	25,500	110	1 – 10,000, up to 200,000 with additional discharge pump
CMX 2000/50	> 5,000	200,000	46,000	200	1 – 10,000, up to 200,000 with additional discharge pump

All figures are based on water and depend on the product attribute





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