

Powder incorporation and wetting continuous

MHD 2000/...

For very big production quantities we recommend the MHD 2000 mixing machines. The liquid and the solids (powders or granules) are mixed continuously and dust-free. The materials to be mixed are fed in proportional quantities, pre-mixed in the machine and then dispersed, so that you will receive a finished final product. The slightly increased dosing effort is compensated by much smaller tank capacities, and additional expensive and heavy other mixing machines are no more needed. Additionally the MHD offers higher flexibility in the production and a constant product quality.

Applications

also see CMS

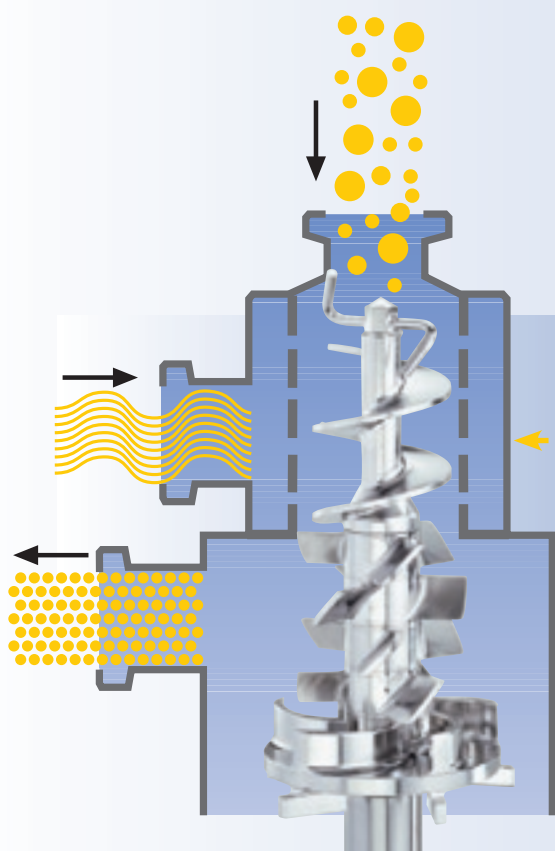
Fertilizers

Vitamines

Incorporation of colour pigments

Incorporation of thickeners, e.g.:

- Pectines
- Guar gum
- Starches
- Xanthan
- Flour
- and others.



Type Size	Max. total capacity	Max. solids capacity	Motor power IP 55	Connections inlet solid/ inlet liquid/outlet
	l/h	l/h	kW	
MHD 2000/4 LABOR-PILOT	100	50	1,5	DN 50 / DN 15 / DN 15
MHD 2000/05	700	500	5,5	DN 50 / DN 25 / DN 32
MHD 2000/10	2.500	1.300	7,5	DN 65 / DN 32 / DN 50
MHD 2000/20	7.000	2.800	15	DN 80 / DN 50 / DN 65
MHD 2000/30	20.000	6.200	30	DN 150 / DN 80 / DN 125
MHD 2000/50	40.000	11.200	75	DN 200 / DN 100 / DN 150

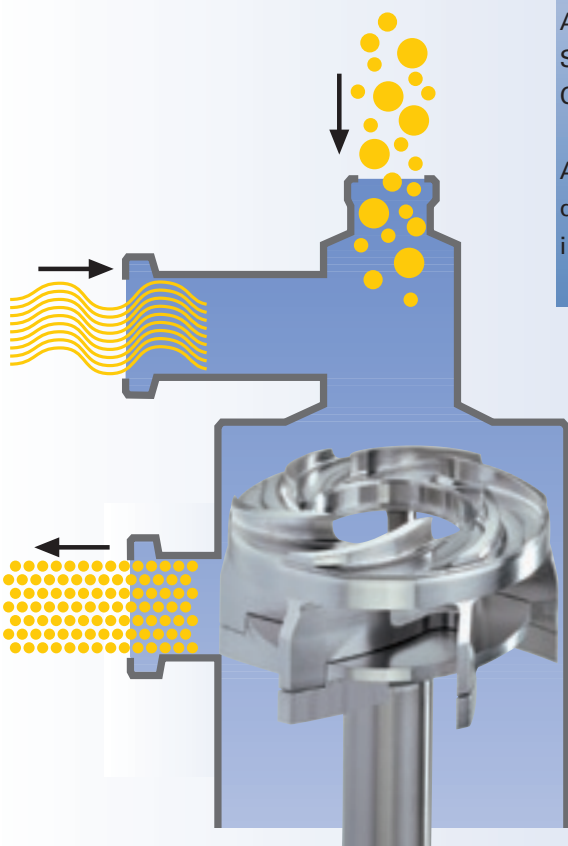
Powder incorporation and wetting discontinuous

CMS 2000/...

Applications

Alumina suspensions
Starch solutions
Calcium carbonate suspensions

All applications where big quantities of solids have to be incorporated.



Dust- and lump-free incorporation of powders is one of the most frequent processing steps. The machine of type CMS 2000 is equipped with a specially designed rotor, which on the one hand sucks the liquid from a tank and on the other hand the powder from any container. The machine is working in circulating operation until the complete quantity of powder is fed. Dispersing can then be continued with closed powder inlet. Depending on the product resp. the powder characteristics, solids concentrations of up to 80% can be achieved. In case of very high viscosities an additional pump may be preceded.

Type Size	Max. total capacity	Powder incorporation kg/h	Motor power IP 55	Connections inlet solid/ inlet liquid/outlet
	l/h		kW	
CMS 2000/4 PROCESS-PILOT	3.000	5 – 500	4	DN 25 / DN 25 / DN 25
CMS 2000/05	15.000	60 – 2.500	7,5	DN 25 / DN 32 / DN 32
CMS 2000/10	35.000	150 – 5.500	18,5	DN 40 / DN 50 / DN 50
CMS 2000/20	60.000	200 – 8.500	37	DN 50 / DN 80 / DN 80
CMS 2000/30	100.000	400 – 14.000	90	DN 80 / DN 125 / DN 125
CMS 2000/50	200.000	700 – 28.000	160	DN 125 / DN 150 / DN 150