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COL VERTICAL COLLOID MILL

HD Process supply vertical (COL-V) and in-line (COL-P) colloid Mills. Colloid mills work on the rotor-stator principle: a rotor turns at high speeds (1400-2800 RPM). These mills allow for adjustment of the gap between the (coned) rotor and stator with wider settings providing a slightly coarser product texture if required. In some cases for in-line mills with high viscosity product a pusher pump may be required.

Colloid Mill Industries

Food industry; Chemical industry; Daily chemicals; Pharmacy; Other industries;

The internal forces evenly disperse, emulsify, smash and homogenize various semi-liquids, liquids and emulsions.

Model	Emulsified granularity Single cycle or multi-cycle(um)	Regulating range(mm)	Output (variable with different medium) (t/Hr)	Electrical power (KW)	Rotatioun speed (r/min)	Stand Voltage	Diameter of milling slice	Diameter of feed inlet	Diameter of feed outlet	Port size of cooling system	Dimension L xWxH (mm)
CO-V50	5-40	1-0.01	0.01-0.2	1.1	2900	380	50	32	15	1/8"	420×280×760
CO-V 80	3-40	1-0.01	0.3-1	3	2900	380	80	50	25	1/4"	520×400×900
CO-V100	2-40	1-0.01	0.5-2	5.5	2900	380	100	50	32	1/4"	560×420×950
CO-V120	2-40	1-0.01	0.7-3	7.5	2900	380	120	65	40	1/4"	560×420×950
COL-V 80	2-40	1-0.01	0.3-1	4	2900	380	80	50	25	1/4"	640×550×1030
COL-V100	2-40	1-0.01	0.5-2	5.5	2900	380	100	50	32	1/4"	750×620×1080
COL-V120	2-40	1-0.01	0.7-3	7.5	2900	380	120	65	40	1/4"	750×620×1080
COL-V140	2-40	1-0.01	1-4	11	2900	380	140	80	40	1/4"	820×700×1250
COL-V180	2-40	1-0.01	2-7	15	2900	380	200	120	65	1/4"	980×800×1550
COL-V280	2-40	1-0.01	3-10	22	2900	380	250	120	65	1/4"	1140×900×1850

COL-V AND CO-V VERTICAL COLLOID MILL



Sanitary split-case colloid mill (COL-V) (sanitary version)



Normal vertical colloid mill (CO-V) (normal version)



Normal split-case colloid mill (COL-V) (normal version)



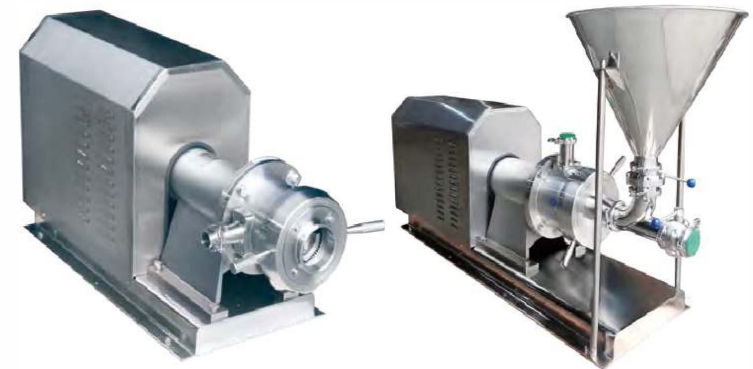
Sanitary vertical colloid mill (CO-V) (sanitary version)

COL-P IN-LINE COLLOID MILL

The in-line type colloid mill is a horizontal design, with high-speed rotation, and adjustable gap between rotor and stator. The rotor turns at high speeds (1400 2800 RPM). Wider head settings providing a slightly coarser product texture if required. In some cases for in-line mills with high viscosity product a pusher pump may be required.

Colloid mills can work with chunkier, more viscous and more sticky products than comparable standard in-line emulsifiers. Some of these applications include mincemeat and vegetable soups (for processed food).

The internal forces evenly disperse, emulsify, smash and homogenize various semi-liquids, liquids and emulsions.



In-Line / Pipeline Type Colloid Mill

Main Parameter

Model	Emulsified granularity Single cycle or multi-cycle(um)	Regulating range(mm)	Output(variable with different medium)(T/Hr)	(Electrical power(Kw)	(Rotation speed(r/min)	Diameter of milling slice	Diameter of feed inlet	Diameter of feed outlet	Port size of cooling system
COL-P 80	2-40	1-0.001	0.3-1	4	2900	80	50	25	1/4"
COL-P 100	2-40	1-0.001	0.5-2	5.5	2900	100	60	32	1/4"
COL-P 120	2-40	1-0.001	0.7-3	7.5	2900	120	65	40	1/4"
COL-P 140	2-40	1-0.001	1-4	11	2900	140	80	40	1/4"
COL-P 180	2-40	1-0.001	2-7	15/18.5	2900	200	120	65	1/4"
COL-P 280	2-40	1-0.001	3-10	22/30	1450/2900	280	120	65	1/4"
COL-P 320	2-40	1-0.001	4-15	37/45	1450/2900	320	150	76	1/4"