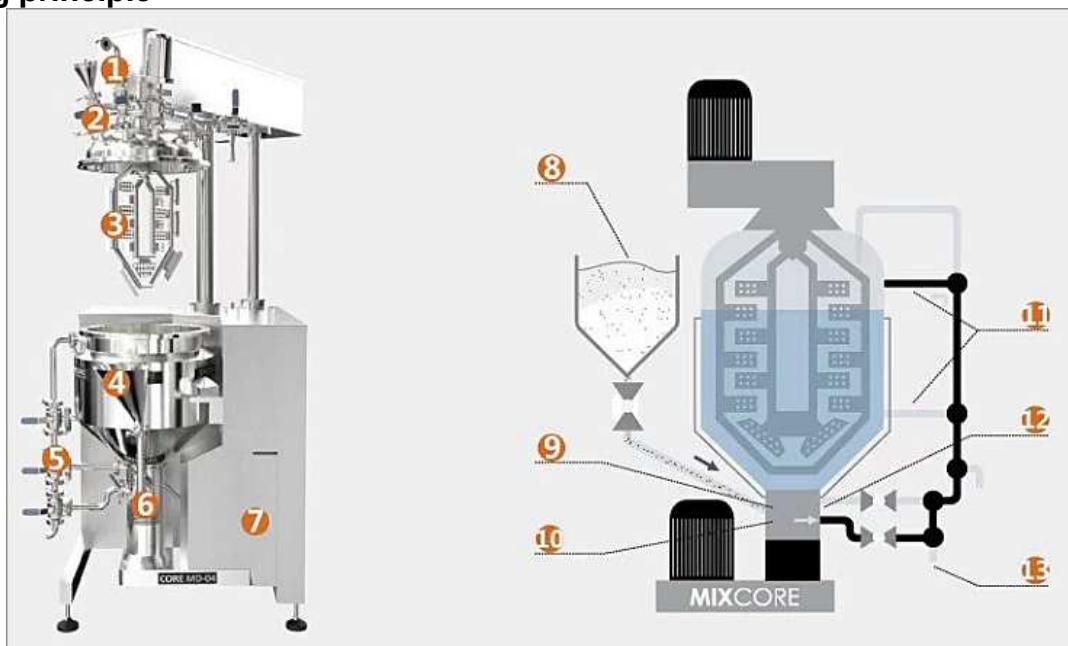


Mixcore® / Recirculation Mixing Plant



Mixcore® Recirculation Mixing Plant allows for efficient mixing, dispersing, heating/cooling, and optimum feeding of additives. The innovative mixing plant enables the processing of high viscous products, also under pressure and vacuum.

operating principle



- (1) All stainless steel system
- (2) Connector can connect air compressor, feeding hopper, filter, etc
- (3) Contrarotating agitator with scraper
- (4) Feeding hopper can add powder or liquid

- (5) Circulating tube
- (6) High speed dispersion system
- (7) Control cabinet can be designed as PLC or button contro
- (8) Feeding(feed solid and liquid additives directly into the working chamber, then mix quickly and completely to avoid clumping)
- (9) Rotor pump(the rotor inhale mixture, meanwhile, circulate and mix under low shear stress
- (10) Dispersing head(it composed of sophisticated stator and rotor, which achieve best dispersing effect)
- (11) Outlet (the length of the circulation line depends on the production)
- (12) Throttle valve(produce negative pressure by inhaling material, no need to use vacuum in mixing tank)
- (13) Discharge hole

Mixcore	MC10	MC25	MC50	MC100	MC200	MC500	MC1000	MC2000
Mixing vessel (L)	13	32	65	130	260	650	1 350	2 600
Useful volume (L)	10	25	50	100	200	500	1 000	2 000
Working pressure (bar)	-1 to 2.5	-1 to 2.5	-1 to 2.5	-1 to 2.5	-1 to 2.5	-1 to 2.5	-1 to 2.5	-1 to 2.5
Max. temperature (°C)	150	150	150	150	150	150	150	150
Motor power (kw)	0.37*	1.1	1.5	2.2	3	5.5	7.5	15
Output Speed 20-60r/min	120-360	90-270	66-198	54-162	45-13	32.4-97.2	24.8-74.4	20.4-61.2
Max. capacity								
When dispersing (l/h)	2 000	2 000	2 000	5 000	5 000	15 000	15 000	20 000
Height (closed cover) mm	1 065	1 637	1 817	2 305	2 421	3 315	3 749	4 951
Height (open cover) mm	1 151	2 086	2 417	2 950	2 421	3 315	3 749	4 951
Width mm	635	850	850	1 215	1 215	1 650	1 650	2 210
Depth mm	661	1 010	1 010	1 407	1 407	1 900	1 900	2 710

