

Perfumes - mixing according to NON GMP

	Jumbo and Schneider	Stick mixing plant	Moltomat 500	Moltomat 20	Pilot plant	CO-1000
Product group	Cosmetics	Cosmetics	Cosmetics	Cosmetics Perfumes	Cosmetics	Cosmetics Perfumes Technics
Usable volume (in L)	3'500	150 - 350	150-500	10-20	1-30	200 - 900
Explosion protection	No	Atex	No	No	Atex	Yes
Clean room conditions	n.a.	Class F	ISO 8	Class D	ISO 8	Class F
Stirring device	Anchor stirrer with flow breaker	Anchor stirrer and propeller with flow breaker	Anchor stirrer	Anchor stirrer	Viscojet	Viscojet
Homogeniser	Jet stream mixer	No	Rotor stator	Rotor Stator	No	No
Products	Emulsions, suspensions, gels, solutions	Gels, solutions, fatty phase	Emulsions, suspensions, gels, solutions	Emulsions, suspensions, gels, solutions	Emulsions, gels, solutions, suspensions	Solutions
Heating / cooling system	Steam and cooling water	Steam and cooling water	Steam and cooling water	Steam and cooling water	Room temperature	Room temperature
Vacuum / Pressure / Inertize	Vacuum / compressed air,N2	Vacuum / compressed air,N2	Vacuum / compressed air,N2	Vacuum / compressed air,N2	No	No
Location	Mixing unit	Mixing unit	Mixing unit	Mixing unit	Mixing unit	Mixing unit
In operation	Yes	Yes	tbd	tbd	Yes	Yes

Perfumes - filling and packaging

	Glass cylinder	
Packaging	Capacity, size	Diameter 22 to 66mm, height 52 to 280mm
	Form and material used	Glass cylinder
	Sealing	Snap on, screw on , crimped cap, pump system
Production	Clean room conditions	none
	Capacity	20 to 30 items/min
	No of lines	3
	Explosion protection	Yes
Other	Class of active ingredient	not applicable
	Substance being filled	Liquid
	Other	