

Products for technical purposes - 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

Products for technical purposes - filling and packaging

		Aerosol Spray	Aerosol two compartments	Plastic bottles	Glass bottles
Packaging	Capacity, size	Diameter 22 to 66mm, height 52 to 280mm	Diameter 22 to 66mm, height 52 to 280mm	Diameter 22 to 66mm, height 52 to 280mm	Diameter 22 to 66mm, height 52 to 280mm
	Form and material used	Cylinder made from aluminium, metal sheet, glass	Cylinder made from aluminium, metal sheet, glass	Plastic cylinder	Glass cylinder
	Sealing	1 inch crimped, 20mm crimped	1 inch crimped, 20mm crimped	Snap on, screw on. crimped cap	Snap on, screw on. crimped cap
Production	Clean room conditions	none	none	none	none
	Capacity	20 to 40 items/min	20 to 40 items/min	20 to 30 items/min	20 to 30 items/min
	No of lines	2	1	1	1
	Explosion protection	Yes	Yes	Yes	Yes
Other	Class of active ingredient	not applicable	not applicable	not applicable	not applicable
	Substance being filled	Liquid	Liquid	Liquid	Liquid