

STEPHAN Vacutherm® System V-MC 1200/150

- Mixing
- Cooling
- Dispersing
- Size reduction
- Emulsifying
- Heating
- Deaerating (Vacuum)
- Cooking



Picture: STEPHAN Vacutherm® System V-MC 400/15

Typical Applications:

- Mayonnaise
- Ketchup
- Dressings, dips
- Baby food
- Classical sauces
- Pasta sauces
- Soup

Advantages:

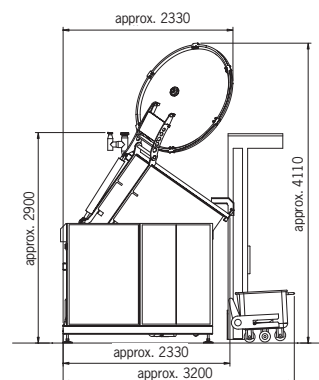
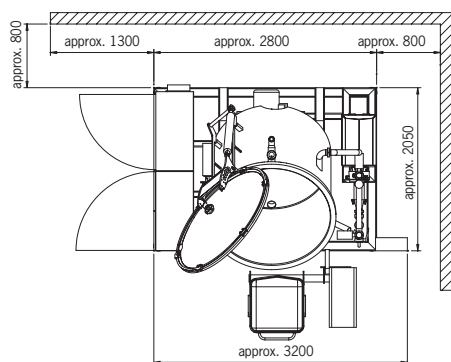
- Stable emulsions
- Short batch times
- Gentle as well as effective heating
- Constant specific weight
- Optimal powder dispersing
- Homogenous mixing
- Oxidation is avoided
- Constant product quality
- Good cleanability
- Easy to operate
- Expandable

Options:

- Jacketed vessel with or without insulation
- Steam injection nozzles
- Powder hoppers
- Liquid vessels
- Particulates vessels
- Direct metering for liquids
- Lifting and tilting device
- Steam conditioning unit
- Buffer tank
- Condensate recovery system
- Combination of several systems
- Batch tracing program

Dimensions V-MC 1200/150:

overall height with lid open: 4110 mm



Machine Data:

Batch size, max.	(l)	1200
Capacity, max.	(l/h)	4800
Net weight, appr.	(kg)	4400
Max. operating temperature (Vacutherm vessel)	°C (°F)	95 (203)
Max. operating pressure (vessel jacket)	<i>standard</i> barg (PSI)	4 (58)
	<i>option</i> barg (PSI)	10 (146)
Max. operating temperature (vessel jacket)	<i>standard</i> °C (°F)	150 (302)
	<i>option</i> °C (°F)	180 (356)
Material:	<ul style="list-style-type: none"> • product side • non-product side • elastomers, product side 	1.4571 (AISI 316) or similar, except MC-tools (304) 1.4301 (AISI 304) or similar HNBR, EPDM, FKM, Viton, PVDF
Shaft seals:	<ul style="list-style-type: none"> • Vacutherm vessel • recirculating and discharge pump • Microcut 	single mechanical seal single mechanical seal sealing rings option: double mechanical seal
Connections:	<ul style="list-style-type: none"> • compressed air • steam supply • water supply-recipe • water supply-jacket in and out • drain connection 	G 1/4" DN 50, DIN 11850, row 2, welding end DN 50, DIN 11850, row 2, welding end DN 50, DIN 11850, row 2, welding end DN 65, DIN 11851 connection piece

Energy requirement

Installed energy, appr.	kW	55
Operating voltage / Protection	V/Hz / A	400/50 / 125 A, slow
Drive motors:	<ul style="list-style-type: none"> • mixing element, speed controlled • discharge pump, speed controlled • Microcut, speed controlled • vacuum pump 	kW kW kW kW
Steam:	<ul style="list-style-type: none"> • theoretical requirement • recommended supply • steam supply pressure 	kg/h kg/h barg (PSI)
	<i>standard</i>	8 - 10 (116 - 145))
	<i>option</i>	11 - 12 (160 - 175)
Water:	<ul style="list-style-type: none"> • water supply pressure • water supply - recipe - • water supply - vacuum pump - • water supply - jacket • CIP supply - spray head Vacutherm vessel 	barg (PSI) l/h l/h l/h l/h
		4 (58) 18000 240 15000 18000