

STEPHAN Vacutherm® System V-MC 800/150

- 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:

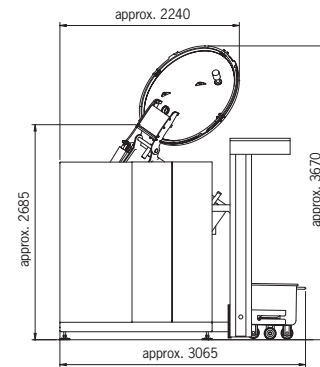
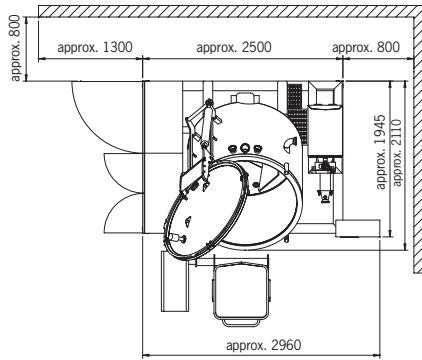
- Stable emulsions
- Short batch times
- Gentle as well as effective heating
- Constant specific weight
- Optimal powder dispersing
- Homogenous mixing
- Oxidation is avoided
- Constant product quality
- Good cleanability
- Easy to operate
- Expandable

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 800/150:

overall height with lid open: 3670 mm



Machine Data:

Batch size, max.	(l)	800
Capacity, max.	(l/h)	3200
Net weight, appr.	(kg)	3200
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)	°C (°F)	150 (302)
	°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 40, DIN 11850, row 2, welding end DN 40, DIN 11850, row 2, welding end DN 40, DIN 11850, row 2, welding end DN 65, DIN 11851 connection piece

Energy requirement

Installed energy, appr.	kW	48
Operating voltage / Protection	V/Hz / A	400/50 / 100 A, slow
Drive motors:		
• mixing element, speed controlled	kW	5.5
• discharge pump, speed controlled	kW	5.5
• Microcut, speed controlled	kW	22
• vacuum pump	kW	1.5
Steam:		
• theoretical requirement	kg/h	750
• recommended supply	kg/h	900
• steam supply pressure	<i>standard</i> barg (PSI)	8 - 10 (116 - 145)
	<i>option</i> barg (PSI)	11 - 12 (160 - 175)
Water:		
• water supply pressure	barg (PSI)	4 (58)
• water supply - recipe -	l/h	12000
• water supply - vacuum pump -	l/h	240
• water supply - jacket	l/h	10000
• CIP supply - spray head Vacutherm vessel	l/h	12000