

SPEC SHEET

Fixed Type Homogenizing Emulsifier

SME-B Series

INTRODUCTION

The homogenizing emulsifier makes use of the high shear emulsifier to distribute one or several phases to another continuous phase rapidly and even when the materials are under the vacuum condition.

The materials are processed in the narrow space between stator and rotor by strong energy of motion produced by the mechanical effect. By the operation of hydraulic shearing, centrifugal extruding, impacting, breaking and turbulence for over 100 thousand times per minute, the materials will be dispersed and emulsified instantly and evenly. After reciprocating circulation at high frequency, the fine finished products will be of high quality and without bubbles.

This model has a fixed pot and is equipped with a bottom homogenizer with internal and external circulation.

KEYWORDS Fixed type | Homogenizer | Emulsifier | Vacuum | Capacity



ATTRIBUTES

- Designed with a stable and compact structure, making it suitable for installation in limited space environments while ensuring reliable performance.
- Equipped with a high-speed homogenizing motor, the emulsifier delivers powerful shear forces to break down particles and achieve uniform dispersion of ingredients, resulting in fine emulsions with excellent stability and texture.
- Customers can choose from a range of configurations and options to suit their specific production requirements, including varying capacity options, control systems, and additional features such as heating and cooling capabilities.
- Built with high-quality components and precision engineering, the emulsifier offers reliable performance, durability, and longevity, providing customers with a cost-effective solution for their homogenization needs.

TECHNICAL PARAMETERS

Model		SME-B200	SME-B500	SME-B1000	SME-B2000
Capacity		200L	500L	1000L	2000L
Homogenizer motor	KW	6.5-8	6.5-8	9-11	11-14
	r/min	1440/2880	1440/2880	1440/2880	1440/2880
Stir motor	KW	2.2	4	5.5	5.5
	r/min	0-63	0-63	0-63	0-63
Dimension		3100x3000x2500 mm	3850x3600x2750 mm	4200x3850x3300 mm	4500x4050x3800 mm
Total power	Steam heating	15KW	22KW	28KW	34KW
	Electric heating	45KW	61KW	88KW	-
Limit vacuum		-0.09	-0.08	-0.08	-0.08

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