

PVC - Vacuum Emulsifying Mixer

Introduction:



The PerMix PVC series Vacuum Emulsifying Mixer is more than a single emulsifying mixer, but a vacuum mixing, dispersing and emulsifying system that is used whenever a high quality and absolutely air-free product is required as with the PerMix PMS series Multi-shaft Mixer, but at a lower cost.

The PerMix PVC series Vacuum Emulsifying Mixer caters to various work processes which normally require more machinery in one system. In the PerMix PVC series Vacuum Emulsifying Mixer, base materials can be mixed in liquids, dispersed and homogenized while at the same time all air is removed. This produces stable emulsions with a long shelf life in storage.

How It Works:



PerMix PVC Vacuum Emulsifying Mixer includes a mixing tank (with or without jacket), an internal slow running anchor mixer, and an external inline high shear mixer.



The inline mixer has several inlet ports, and the main inlet is connected with the bottom discharge of the tank, with other two inlets connected with other liquid and powder tanks. The inline mixer's outlet goes back to the top section of the mixing tank.



The basis of this plan is the PerMix innovative inline mixer, which has a mixing, dispersing and emulsifying head with multi-working chambers. It can be supplied with mixing vanes, dispersion components or emulsifying tools. For each operation, these components can be interchanged or

combined so that the mixer operates to suit every product possibility.

The pump action allows the product to circulate from the feed hoppers through the working hopper continuously. All the parts that come in contact with the product are stainless steel.

The following extras are available:

- Pneumatic elevation for the hopper cover
- Working hopper with double wall to provide either heating or cooling
- Mobile underframe

Applications:



The PerMix PVC series Vacuum Emulsifying Mixer is used extensively in the food, cosmetic, chemical and pharmaceutical industries, especially in production of mayonnaise, ketchup, dressings, etc.

Specifications:

Model	Total volume, liter	Working volume, liter	Emulsifying motor, kW	Scraper motor, kW	Length (mm)	Width (mm)	Height [closed] (mm)	Height [open] (mm)
PVC-8	10	8	1.1	0.25	-	-	-	-
PVC-50	70	50	2.2	0.37	-	-	-	-
PVC-100	125	100	5.5	0.55	870	650	1,300	1,710
PVC-150	180	150	5.5	0.55	950	720	1,450	1,990
PVC-300	350	300	7.5	0.75	1,260	930	1,850	2,610
PVC-500	580	500	11	1.1	1,500	1,100	2,180	3,160
PVC-1000	1,200	1,000	22	2.2	2,040	1,390	2,750	3,660

- 1) All specifications are as accurate as is reasonably possible, but they are not binding.
- 2) Customized sizes are available against request.
- 3) PerMix reserves the right to modify the design without notice.

Gallery:



www.permix-mixing.com

PVC Vacuum Emulsifying Mixing System



www.permix-mixing.com

PVC Mixer with Open Cover



www.permix-mixing.com

PVC Mixer at Production of Mayonnaise



www.permix-mixing.com

PVC Emulsifying Mixer with Jacket