

PVC

VACUUM EMULSIFYING MIXER



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INTRODUCTION



The PerMix 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.

PerMix PVC series Vacuum Emulsifying Mixers cater to various work processes which normally require more machinery in one system. In the 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.





- 1** 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.
- 2** 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.
- 3** 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 OPTIONS / FEATURES ARE AVAILABLE

- ✓ Jacket for heating/cooling of the mixing chamber
- ✓ Pneumatic/Motorized elevation for the hopper cover
- ✓ By-pass lobe pump for low shearing mixing and discharging
- ✓ Pre-mix tanks for liquid materials
- ✓ Volumetric flow meter for automatic OFF of liquid feeding
- ✓ Manual feeding hopper for small ingredients
- ✓ Mobile under-frame
- ✓ Fully automation control of the vacuum emulsifying system



Soups, Sauces & Dressings, Mayonnaise & Ketchup, Smoothies & more...

PVC-500 Vacuum Emulsifying System



 **PerMix**
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PVC Mixer with Open Cover



Inside Anchor Mixer of PVC-500 Mixer



Pushbutton Electric Control
of PVC Mixer



Flow Meter to Control
Liquid Adding



Anchor Mixer with Scrapers
of PVC Mixer