

PCH - Shear Pump

Introduction:

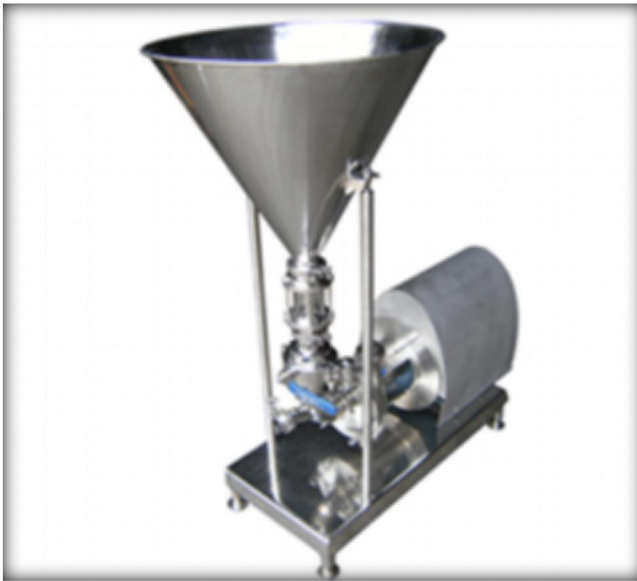


A shear pump combines the advantage of both a centrifugal pump and an inline high shear mixer. It achieves the balance of pumping efficiency and shearing energy. With the special impeller and slotted stator, and its highly sanitary design, the shear pump is widely used to deliver viscous materials in dairy, food, cosmetics and pharmaceutical industries.

Features & Options:

An optional hopper or a feeding table can be installed to dissolve/disperse powders into liquid in a fast and efficient way. All contact parts are made by stainless steel 316L (304 is optional for low budget). Single or double mechanical sealing is chosen according to different materials. The shear pump can be easily cleaned with CIP (Clean In Place) system to save time and labor.

Applications:



Some of the applications of shear pumps are:

- Food & Beverage

Butter, Canned foods, Cheese, Condiments, Dairy, Dressings, Flavorings, Ice cream, Juices, Ketchup, Salads, Syrup, Yogurt

- Pharmaceuticals

Cough syrup, Emulsion, Medicine, Ointment, Pharmaceutical, Vaccine, Veterinary drug

- Cosmetics

Creams, Detergent, Gels, Hair conditioner, Lotions, Shampoo, Tooth paste

Specifications:

Model	Motor, kW	RPM, @50Hz	Max. Liquid Capacity, L/hr	Max. Powder Capacity, Kg/min	Size [DN]	
					Inlet	Outlet
PCH-100	3-4	3,000	5,000	3	40	32
PCH-130	5.5-7.5		10,000	10	50	40
PCH-160	11-18.5		20,000	18	65	50
PCH-190	22-30		30,000	32	65	50
PCH-210	30-37		40,000	50	80	65

- 1) Actual liquid/powder capacity will vary depending on the material characters and stator rotor type.
- 2) PerMix offers bigger capacity according to customer requests.
- 3) PerMix reserves the right to modify the design without notice.

Gallery:



www.permix-mixing.com

PCH Shear Pump with Feeding Table



www.permix-mixing.com

PCH Pump with Feeding Hopper



www.permix-mixing.com

Stator/Rotor of PCH Shear Pump



www.permix-mixing.com

PCH Shear Pump Ready for Delivery