

PDH10-ST

Powder & Liquid Mixing System



Order

7012000

Model	PDH10-ST
Motor power	2.2kW
Motor speed range	2900rpm
Maximum speed of working head	5800rpm
Powder suction speed (hopper)	0.2~1kg/min
Applicable viscosity (with pump)	1000cP
Inlet pressure	0.02~0.1bar
Maximum outlet pressure (during powder suction)	0.1bar
Maximum outlet pressure (without powder suction)	0.5bar
Maximum flow rate (H ₂ O, without powder suction)	2.5 (m ³ /h)
Maximum flow rate (H ₂ O, during powder suction)	1.5 (m ³ /h)

Biology
Pharmacy



Food



Daily Care



Chemical
Industry



New
Material



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PDH10-ST Powder & Liquid Mixing System



Description

It is specially designed for the mixing and dispersing of insoluble powders. When mixing, the amount of air mixed in can be minimized. The unique design makes the powder fully hydrated when it enters the mixing chamber, without "fish-eye" phenomenon, which can effectively reduce mixing Time, no excessive effect on shear-sensitive products, and can be recycled, hopper feeding, can quickly complete powder feeding, wetting and dispersion mixing without agglomeration. The powder is wetted in a vacuum environment, and is also dispersed into the liquid in a vacuum environment, effectively preventing air from entering, avoiding agglomeration, better reaction effect, high material utilization rate, and good final product quality. The equipment adopts a modular structure, which can simplify pipelines and process steps, and greatly reduce production costs.

