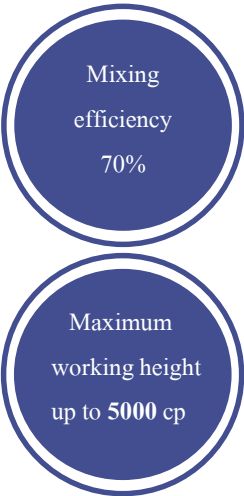
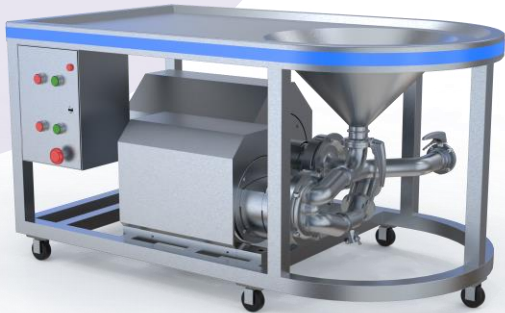


● Powder dispersion

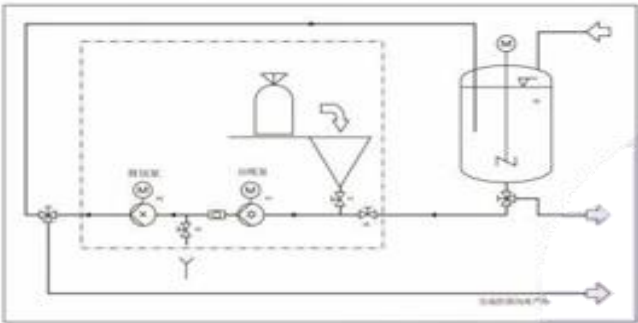
Based on shear pumps and self-priming pumps, HYPERFLOW has developed an efficient and flexible mixing systems. The mixing systems is specially developed for dissolving , emulsifying and homogenizing various powders. The whole plant usually consists of a self-priming pumps and a shear pump. The powder is added from the funnel , sucked into the pipeline through the self-priming pump, and delivered to the shear pump to achieve full mixing with the liquid. The humanized operation platform is very convenient for manual feeding , and it also greatly improves the efficiency of staff mixing

The option of the HYPERFLOW mixing systems are also very rich . Different shearing effects can be achieved by customizing different forms of shearing teeth , so as to meet the complex and changeable requirements of users. The whole systems usually sucks the media with different components from the self-priming pump, and shears, mixes and homogenizes them at a linear speed of 38m/s and with a shear tolerance of 0.4 mm. Therefore, the mixing systems can complete the processing in a very short time, and compress the time that the material stays in the pump to the minimum. Thereby greatly simplifying the production process, expanding to the application field, so as to achieve the perfect mixing effect.

● Product features



● Schematic diagram of mixing system



● Mixer selection table

Mixer model (with glue)		Self-priming pump		Shear pump		Low viscosity materials (sugar, milk powder)	High viscosity material (CMC,Pectin)
		Model	merit	Model	power	Maximum throughput	Maximum throughput
			1450PM. 50Hz		2950PM. 50Hz		
			KW		KW		
PM02	HS200 + SP220	HS200	5.5	SP220	7.5-11	1500	70
PM03	HS280 + SP320	HS280	7.5	SP320	11-18.5	3500	150
PM04	HS300 + SP420	HS300	15	SP420	22-37	5000	300
PM05	HS450 + SP520	HS450	18	SP520	30-45	8000	500