MixSing Vortex

Technical data sheet for discussion

Takeaway
- Homogeneous & lump-free products
- High powder capacity
- High efficiency → low kW/kg
- High discharge pressure 2 bar
- Viscosity ≤ 1,000 cP
- 68° Brix
- Small foot print
- Ergonomic tipping at 95 cm
- Sugar, milk powder, emulsifiers, stabilisers

General	
Model	MixSing Vortex
Function	Mixing of powder/liquid into a liquid
Technology	Rotor & stator principle
Construction	
Product contact	AISI 316L (wet) | AISI 304 (options: table/structure)
Motor cover and support	AISI 304
Elastomer	EPDM (options: NBR or Viton)
Seal	SiC/SiC flushed seal
Stator	AISI 316L
Valve(s)	AISI 316L
Electrical specification	
Installed power	11 kW (options: 15, 18.5 & 22)
Voltage | Hz	400 V | 50/60 Hz multinorm
Motor	2 poles, 3000 rpm, IP 56, IE3
Installation requirements	
Pipe work	Inlet 2.5" (63.5 mm) | 2.5" (63.5 mm)
Connections	SMS
Minimum liquid supply pressure	$NSPH_r$ 0.6 mWC
Maximum liquid outlet pressure	2 bar(g) @ 2600 rpm
Operating specification	
Maximum pressure	10 bar
Cleaning	Designed for CIP
Hopper volume	83 l | Other sizes available on request
Powder tipping height	950 mm
Operating data	
Liquid flow rate	30,000 l/h
Powder/liquid feed rate	<100 kg/min (skimmilk powder)
Oil addtion rate	<50 kg/min
Service water	100 l/h
Nominal shear rate	>200,000 s^{-1}

Dimensions