

MixSing Injector

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 87 cm
- Sugar, milk powder, emulsifiers, stabilisers

General	
Model	MixSing Injector
Function	Mixing of powder into a liquid
Technology	Rotor & stator principle
Construction	
Product contact	AISI 316L (wet) AISI 304 (hopper) AISI 304 (options: table, grid)
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 4" (101.6 mm) Outlet 2.5" (63.5 mm)
Connections	SMS
Minimum liquid supply pressure	NSPH, 0.6 mWC
Maximum liquid outlet pressure	2 bar(g) @ 2600 rpm
Operating specification	
Maximum pressure	10 bar
Cleaning	Designed for CIP
Hopper volume	73 l Other sizes available on request
Powder injector	Included
Grid opening rod diameter	50 x 50 mm 8 mm
Powder tipping height	865 mm
Operating data	
Liquid flow rate	30,000 l/h
Powder feed rate	<100 kg/min (skimmilk powder)
Service water	100 l/h
Nominal shear rate	>200,000 s ⁻¹

Dimensions

