

HORIZONTAL BLENDER MH-20 / MH-26

Operating principle

Horizontal blender is a compact unit, it consists of a centrifugal pump with a venturi system on the suction side and a hopper with a butterfly valve above the venturi to add solid / powder products to the pumped liquid. In this blender, the suction and venturi system are set horizontally.

The venturi system and the suction of the pump create a negative pressure at the base of the hopper. When the valve of the hopper opens, the solids are drawn from the hopper and are dissolved in the liquid when they pass through the pump casing.

To achieve the best possible dissolution, it is recommended to recirculate the product (batch production) until all the solid/powder product is suctioned in and then, when the solid product is completely incorporated into the liquid product, continue recirculating the product for a while.

In some cases, it can be used in-line depending on the solid product to add and the required level of dissolution.

Horizontal Blender Specifications			
Item	Description	Feature	Capacity
1	Materials	Parts in contact with the product	AISI 316L
		Other steel parts	AISI 304
		Gaskets	EPDM
2	Mechanical seal	Rotary part	Silicon carbide (SiC)
		Stationary part	Silicon carbide (SiC)
		Gaskets	EPDM
3	Surface finish	Internal	Bright polish Ra ≤ 0,8µm
		External	Matt
			MH-20 MH-26
		Aproximate flow	20 m ³ /h 40 m ³ /h
		Maximum differential height	7 mwc 15 mwc
		Maximum solids intake	1300 kg/h * 2000 kg/h *
4	Blender	Pump	Hyginox SE20 with impeller Ø130 Hyginox SE26 with impeller Ø145
		Motor	3 kW - 3000 rpm 5,5 kW - 3000 rpm
		Maximum temperature	65 °C 65 °C
		Connections (inlet/outlet)	CLAMP CLAMP
		Hopper capacity	25 L 48 L
		Hopper valve	Butterfly valve CLAMP Butterfly valve CLAMP

* Intake of solids may vary depending on their properties



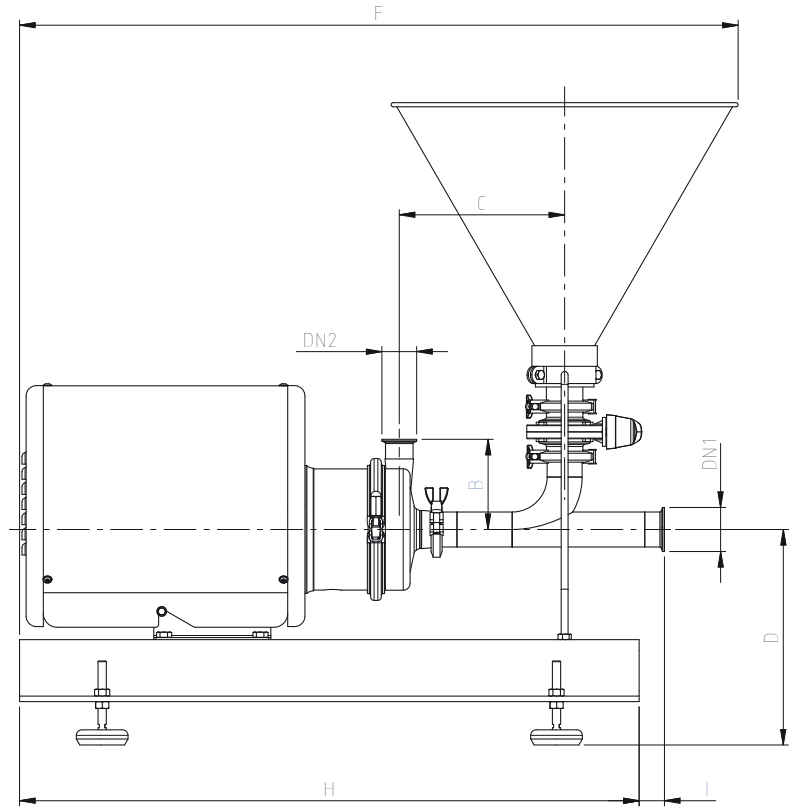
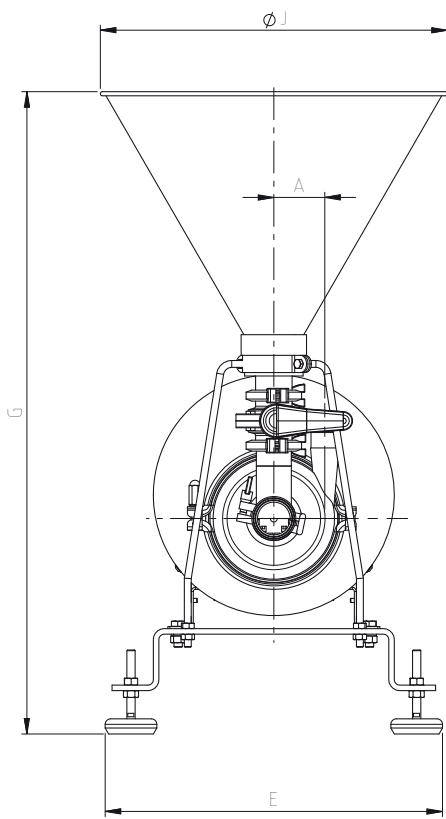
Options

- Gaskets FPM or PTFE.
- Connections DIN, SMS.
- Drain port.
- Vibrator for hopper.
- Pneumatically actuated valve + low level sensor for solids.
- Solids upper level sensor .
- Control panel for the vibrator, level sensors and automated valve.
- Grid for hopper.

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DIMENSIONS MH-20 / MH-26



Dimensions: Horizontal Blender MH-20/MH-26															
	Hopper volume (lbs)	kW	DN1	DN2	A	B	C	D	E	F	G	H	I	Ø J	Weight (kg)
MH-20	25	3	CLAMP 2"	CLAMP 1 1/2"	74	131	240	313	490	1045	933	900	37	505	88
MH-26	48	5.5	CLAMP 3"	CLAMP 2"	72	145	322	325	490	1185	1060	1200	40	605	103

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iSii-Nitzan GmbH
 Via Cremignone 4C, Sorengo,
 Switzerland, CH 6924
 +(41) 765851837
 info@isii-nitzan.swiss
 www.isii-nitzan.swiss

More Information:



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