

NETZSCH

Proven Excellence.



Inline Disperser *MAXSHEAR*

Extreme High-Shear Performance

Inline Dispenser *MAXSHEAR*

Premier *MAXSHEAR* Inline Dispenser is an efficient, low maintenance and low cost unit compact enough to be used at any point in your process. Its extreme high shear performance and powerful dispersing action generate the best premix possible. The *MAXSHEAR*'s unique single processing stage reduces downstream work and prevents the product bypassing the shearing process.

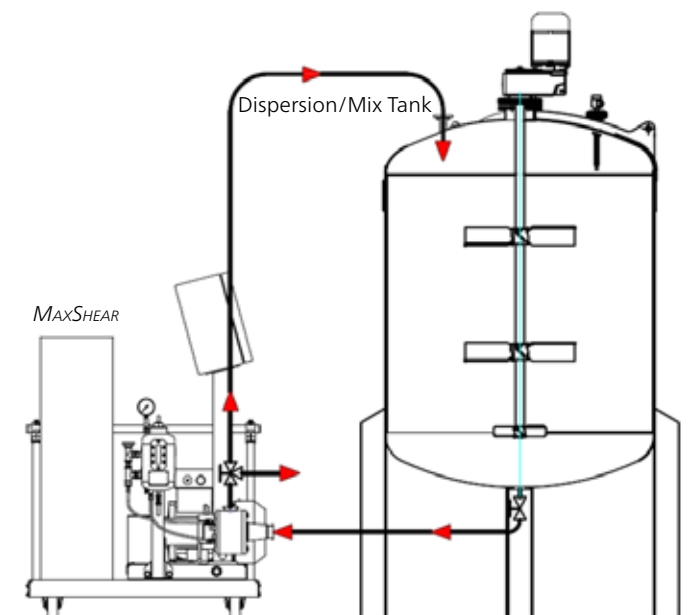
Applications for the *MAXSHEAR* are all kinds of industrial dispersions and emulsions such as color, paint, coating, dye, crop protection and other chemical products which need to be fine dispersed or emulsified.

Benefits

- Efficient and reliable
- Compact enough to use at any point in your process
- Self pumping action allows for use as a low pressure transfer pump, making additional process equipment redundant
- Extreme high shear performance and powerful dispersing action generates better premixes, reducing work needed downstream
- Changeable stator, adaptable for different requirements, e. g. mixing, homogenizing, breaking granulates or beaded powders, emulsifying
- Low and simple maintenance



MAXSHEAR 3



MAXSHEAR Process Diagram



Possible Installations

- Combination with batch tank for circulation
- Combination with dissolver tank
- Combination with feeding pump for mid viscosity products
- Installation in existing pipe work

Standard Features

- Stainless steel for product wetted parts
- Small chamber volume reduces product waste between batches
- Double acting mechanical seal with barrier system
- Interchangeable stator
- Compact design

Available Options

- Unit mobility package: includes portable cart (stainless steel or painted) with push handle and casters
- Different stator types available
- Different connection types available, e. g. flanges, dairy fittings, tri clamp, pipe thread

Technical Data

Rotor size [inches] / [mm]	No load speed		Approx. dimensions [inches] / [mm]		
	Motor [RPM]	Rotor [RPM]	width	length	height
3" / 76	3000	5400	21" / 530	27" / 690	12" / 310
4" / 102	3000	3800	21" / 530	27" / 690	13" / 330
6" / 152	3000	2600	24" / 610	32" / 810	15" / 380
8" / 203	3000	2000	26" / 660	36" / 910	17" / 430

Rotor size [inches] / [mm]	[HP] / [kW]	Inlet port [inches] / [mm]	Outlet port [inches] / [mm]
3" / 76	5 / 4	1 1/2" / 32 FPT	1 1/2" / 38 FPT
4" / 102	10 / 7.5	2" / 50 FPT	2" / 51 FPT
6" / 152	15 / 11	2 1/2" / 65 FPT	2 1/2" / 64 FPT
8" / 203	20 / 15	3" / 80 FPT	3" / 67 FPT

Business Unit Grinding & Dispersing – The World's Leading Grinding Technology

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