



Max-Shear Inline Disperser

Premier Max-Shear Inline Disperser is an efficient, low maintenance, low cost unit compact enough to be used at any point in your process. Its extremely high shear performance and powerful dispersing action generate the best pre-mix possible. The Max-Shear's unique single processing stage reduces down-stream work and eliminates the product bypassing typical of most single stage units.

Applications for Premier's Max-Shear include pharmaceutical and cosmetic formulations, the food industry where improved emulsification and wet-out increase shelf life, and coatings, dye, and chemical products where the continuous letdown of concentrated bases and blending of finished materials are necessary.

Standard Features:

- 316 stainless steel heavy-duty construction.
- Double mechanical seal.
- Small chamber volume reduces product waste between batches.
- Interchangeable stator, four-bladed rotor and all wetted components made of 316 SS.
- Rotor speed can be changed by replacing a pulley set. Variable speed is available.
- Sanitary configurations are available with clamp style ferrule inlet and outlet.
- Fine slot, abrasion-resistant, and special application stators available upon request.

Benefits:

- Efficient - low maintenance.
- Compact enough to use at any point in your process.
- Limited pumping action allows for use as a low pressure transfer pump, eliminating other process equipment.
- Extreme high shear performance and powerful dispersing action generates better premixes, reducing work needed down stream.
- Ideal for emulsifying and processing hard to wet materials. Can make pre-mix directly from most granular or beaded material.

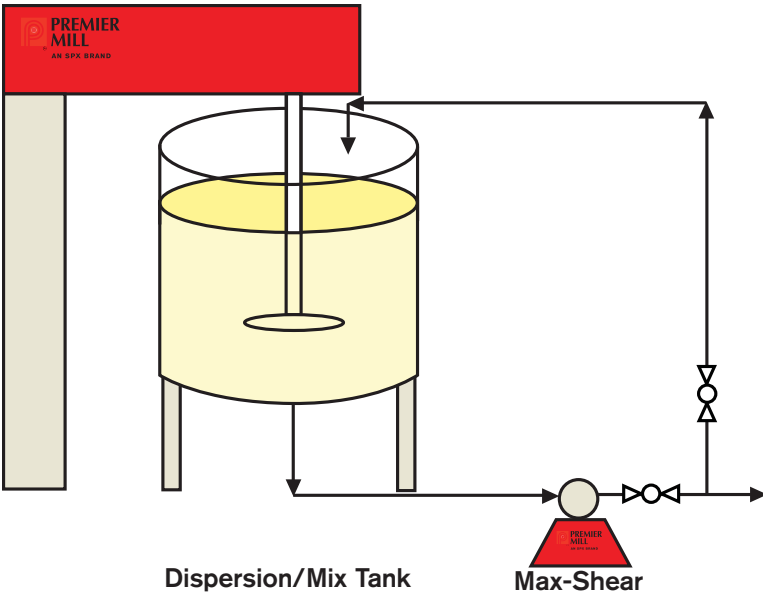
Available Options:

- Unit Mobility Package: includes portable cart (stainless steel or painted) with push handle and casters.
- Sanitary Configuration: all stainless steel construction with sanitary type connections.
- Abrasion Resistant Configuration: with tungsten carbide and hard chrome added (optional).
- Self-contained pressure reservoir for mechanical seal with integral pumping ring for special applications.



Max-Shear Selection Chart								
Rotor Size Inches	Horse power	Inlet Port	Outlet Port	NO LOAD SPEED		APPROX. DIMENSIONS		
				Motor RPM	Rotor RPM	Wide	Length	Height
3"	5	1-1/2" FPT	1-1/2" FPT	3,600	5,400	21"	27"	12"
4"	10	2" FPT	2" FPT	3,600	3,800	21"	27"	13"
6"	15	2-1/2" FPT	2-1/2" FPT	3,600	2,180	24"	32"	15"
8"	20	3" FPT	3" FPT	3,600	2,025	26"	36"	17"

Max-Shear Process Diagram



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