

SHEAR-max

High Shear Inline Mixer

HIGH SHEAR INLINE MIXING WITH AN EFFICIENT TWIST

The SHEAR-max is the ultimate in high shear mixing and dispersing, meeting the tight tolerances required in high shear applications while maintaining extremely efficient flow. The curved wedge rotor and one piece stator design make it one of the most efficient and hygienic designs on the market. The SHEAR-max will disperse, dissolve, emulsify, de-agglomerate, homogenize, or simply blend. It is designed for single pass or batch style processing of liquids and semi-solids and is extremely effective at hydrating and dispersing powders. The innovative wedge style rotor allows solids into the shear zone while efficiently employing motor horsepower. The one piece stator provides superior clean-ability and tight rotor/stator tolerances.

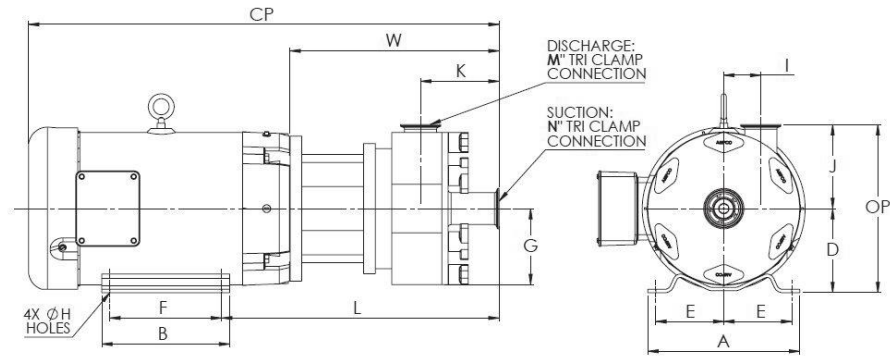
- 3 Model Sizes available from 1 – 400 GPM
- Washdown and CIP capability, or Chemical Duty Design
- Single piece stator for easy inspection and cleaning
- Droplet size as low as 1-10 microns

High Shear, High Efficiency,
High Value – Ampco SHEAR-max!



PRODUCT SPECIFICATIONS

Model	Flowrate (GPM)	Motor HP	Motor Speed	Rotor Tip Speed
SM-1300	1 – 40	1 – 5	3,600	47 FPS
SM-1437	30 – 150	5 – 10	3,600	69 FPS
SM-1575	100 - 400	20 – 40	3,600	90 FPS



MODEL	TEFC MOTOR			DIMENSIONS IN INCHES (For Reference Only)																Approx Weight (lbs)
	HP	RPM	FRAME	A (typ)	B (typ)	D	E	F	G	ØH	I	J	K	L	W	CP	OP	M	N	
SM1300	3	3500	145TC	6½	6	3½	2¾	5	3¾	11/32	1.57	4.35	4.51	13.51	10.63	22.67	7.85	1½	1½	127.8
SM1437	7.5	3500	213TC	9½	8	5¼	4¼	5½	4¾	13/32	2.32	5-¼	4.91	17.35	13.08	29.44	10-1/2	2	2	215
SM1575	30	3500	286TC	12¾	12.84	7	5½	11	6	17/32	2.81	7.20	6.18	18.5	14¾	37.89	14.20	3	3	565

* Weights represent fluid end + motors with SS enclosure

