

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 radial 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 single or dual stage stator provides superior clean-ability and tight rotor/stator tolerances.

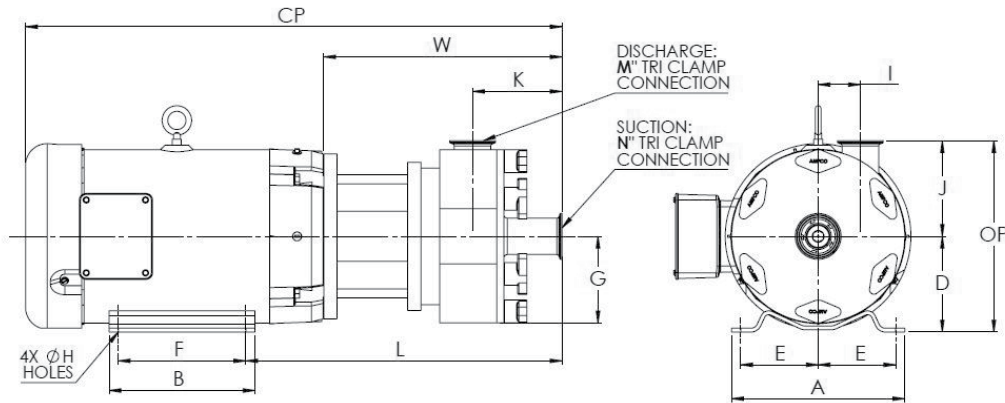
- Seven model sizes available from 1 – 800 GPM
- Washdown and CIP capability, or Chemical Duty Design
- Designed for easy inspection and cleaning
- Droplet size as low as 1-10 microns

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



PRODUCT SPECIFICATIONS

Model	Flow rate (GPM)	Motor HP	Motor Speed	Rotor Tip Speed
SM1300	1 – 40	1 – 5	3,600	47 FPS
SM1437 / SM2437	30 – 150	5 – 10	3,600	69 FPS
SM1575 / SM2575	100 - 400	20 – 40	3,600	90 FPS
SM1700 / SM2700	300 - 800	50 - 100	3,600	110 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	6.5	6	3.5	2.75	5	3.75	0.343	1.57	4.35	4.51	13.51	10.63	22.67	7.85	1.5	1.5	127.8
SM1437/ SM2437	10	3500	213TC	9.5	8	5.25	4.25	5.5	4.75	0.406	2.32	5.25	4.91	17.35	13.08	29.44	10.5	2	2	215
SM1575/ SM2575	30	3500	286TC	12.75	12.84	7	5.5	11	6	0.531	2.81	7.20	6.18	18.5	14.75	37.89	14.20	3	3	565
SM1700/ SM2700	75	3500	365TSC	17	15	9	7	12.25	6.5	0.65	0	8.75	7.3125	22	16.1	43.69	17.75	4	4	1115

* Weights represent fluid end + motors with SS enclosure

