

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.

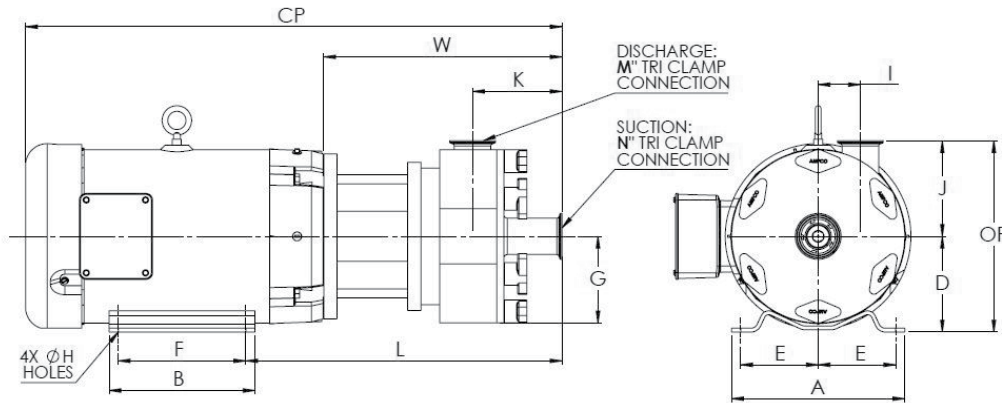
- Seven model sizes available from 1 – 800 GPM
- Washdown and CIP capability, or Chemical Duty Design
- Designed for easy inspection and cleaning
- Droplet size as low as 1-10 microns

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

