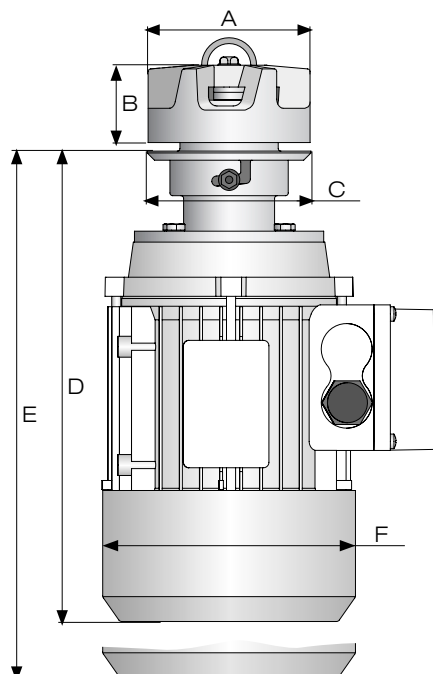


TECHNICAL SPECIFICATION:

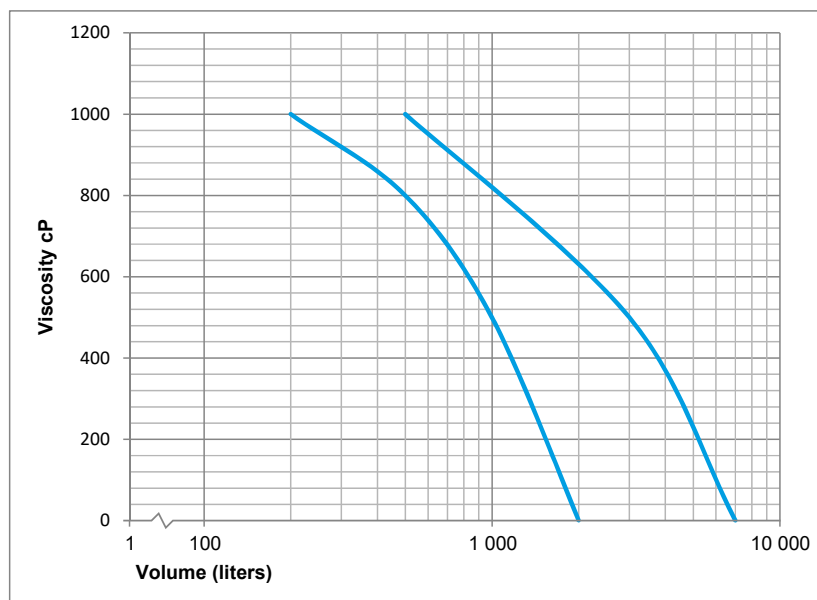


STERIMIXER®

MODEL SMMS -MEDIUM SHEAR MIXER



Viscosity factors



Technical data

| | SMMS 85 | SMMS 120 |
|--|---------------------|----------------------|
| Max Working Volume | 2000 L | 7000 L |
| Max RPM (assume waterlike media) | 1200 | 1800 |
| Tip speed at max RPM | 5.6 m/s (18.4 ft/s) | 12.1 m/s (39.7 ft/s) |
| Torque coupling | 2.6 Nm (23 in-lb) | 14 Nm (124 in-lb) |
| Transferred power at max RPM | 0.33 kW (0.44 HP) | 2.64 kW (3.54 HP) |
| Motor Size | 0.55 kW (3/4 HP) | 3 kW (4 HP) |
| Dimension A: Impeller diameter | 89 mm (3.5") | 128 mm (5.0") |
| Dimension B: Impeller height | 42 mm (1.7") | 65 mm (2.6") |
| Dimension C: Weld plate diameter | 90 mm (3.5") | 149 mm (5.9") |
| Dimension D: Weld plate - bottom of drive unit | 259 mm (10.2") | 403 mm (15.9") |
| Dimension E: Minimum distance to remove drive unit | 301 mm (11.9") | 460 mm (18.1") |
| Dimension F: Diameter of drive unit cap | 140 mm (5.5") | 190 mm (7.5") |



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TECHNICAL SPECIFICATION: STERIMIXER® MODEL SMMS -MEDIUM SHEAR MIXER



Materials of construction

| Bearing material | Tungsten carbide (USP<87>) - standard |
|------------------------------|--|
| | Silicon carbide (USP<87>) |
| O-rings and gasket materials | Gaskets - PTFE USP |
| | O-rings - EPDM or FPM USP <88> Class VI |
| | Other materials are available upon request |
| All stainless steel parts | AISI 316L |
| | Other materials are available upon request |
| | e.g. AL6-XN, Hastelloy |
| Surface finish | Ra 0.38 µm (15 µin) and electropolished (ASME BPE SF4) |
| | Ra 0.38 µm (15 µin) |

Drive unit

| | SMMS 85 | SMMS 120 |
|-----------------------|--------------------|-------------------|
| Voltage | 230/460 V AC | |
| Current | 1.53 A at 460 V AC | 6.0 A at 460 V AC |
| Frequency | 50/60 Hz | |
| Protection | IP65 | |
| Operating Temperature | -25° C to +70° C | |
| Weight | 7 kg | 27.5 kg |
| Conforms to | CE/UL | |

Options

| Intrinsically safe drive unit | Europe& Asia: Eex de IIB T4 |
|-------------------------------|---|
| | North America: Class I, Div 2, Class I, Div 1, Groups C&D, Class II, Groups F&G |
| Impeller monitor sensor | Magnetic proximity switch (standard duty or intrinsically safe) |
| Impeller monitor display | Ratometer 120 V AC |



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