

Danrel Co., Limited

VME-1000L High Shear Emulsification Machine



High Shear Emulsification Machine is consisted of water pot, oil pot, emulsifying pot, vacuum system, lifting system (hydraulic lift), electric control system, heating system, mixer system, operation platform.

Machine featured by simple operation, stable performance, good homogenizing performance, high production efficiency, convenient cleaning, reasonable structure, small land area and high automatic degree etc.

Features:

1. Material contact part all use SUS316L, completely Meet GMP
4. Using Japan NSK bearings
5. Siemens Inverter, power-saving, machine-protect, keeping the machine working stably
6. Burgmann mechanical seal, seal good, long working life, keep the homogenizer work 24 hours continually.
7. Slow stirring axle adopts 2 sets of mechanical seal and 2 sets frame oil seal, make the seal saver.
8. Stirring scrap and middle stirring rotating the opposite direction make the mixing more equally
9. Safety protecting functions, make the produce saver
10. Install a fall buffer unit on the hydro-cylinder in the hydraulic system; keep the cover up and down stable.

Technical Parameters:

| Part | Volume | 500L | 1000L | 2000L |
|-----------|-------------------------|---------|-----------|--------|
| Main pot | Heating power | 18kW | 18kW | N/A |
| | Homogenizer power | 11kW | 15kW | 18.5kW |
| | Stirring power | 4kW | 5.5kW | 7.5kW |
| | Homogenizer speed (RPM) | 0-3600 | 0-3600 | 0-3600 |
| | Stirring speed (RPM) | 0-83 | 0-64 | 0-64 |
| Water pot | Heating power | 18kW | 27kW | N/A |
| | Disperser power | 0.75kW | 1.5kW | 2.2kW |
| | Disperser speed (RPM) | 1440 | 1440 | 1440 |
| Oil pot | Heating power | 12kW | 18kW | N/A |
| | Disperser power | 0.75kW | 1.5kW | 2.2kW |
| | Disperser speed (RPM) | 1440 | 1440 | 1440 |
| Total | Heating power | 48kW | 63kW | N/A |
| | Total power consumption | 65/18kW | 86.5/24kW | 32kW |