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Heavy Duty High Intensity SONICATOR

Ultrasonic Processor for Low and High Temperature Liquids Processing



Applications:

1. Homogenization, Emulsification, Mixing
2. Nano-particles & nano-emulsions technologies
3. Biodiesel production
4. Cells disruptors
5. Atomizing low and high viscosity liquids
6. Liquids processing on high temperatures (until 250°C)

Technical characteristics:

- 20 kHz, variable power & amplitude
- 750 W, continuous power, 1000 W pulsed power
- Ultrasonic converter: 3 kW, oversized for heavy duty
- Titanium sonotrodes and boosters selection
- Options for air and/or water cooling for extreme operating conditions
- Options for 230 VAC, 50 Hz, and or 115 VAC, 60 Hz main supply

Choice of different sonotrodes for maximizing and optimizing homogenization

Spherical-end sonotrode: Uniform axial and radial high intensity mixing; -minimized sonotrode erosion



Step, piston-type horn: Extremely high intensity axial mixing like "ultrasonic torch"



High power converters with air and/or water cooling

