

## Heavy Duty High Intensity SONICATOR

Ultrasonic Processor for Low and High Temperature Liquids Processing



### Applications:

1. Homogenization, Emulsification, Mixing
2. Extractions from organic and inorganic materials
3. Nano-particles & nano-emulsions technologies
4. Biodiesel production
5. Cells disruptors
6. Atomizing low and high viscosity liquids
7. 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 extraction & 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"**

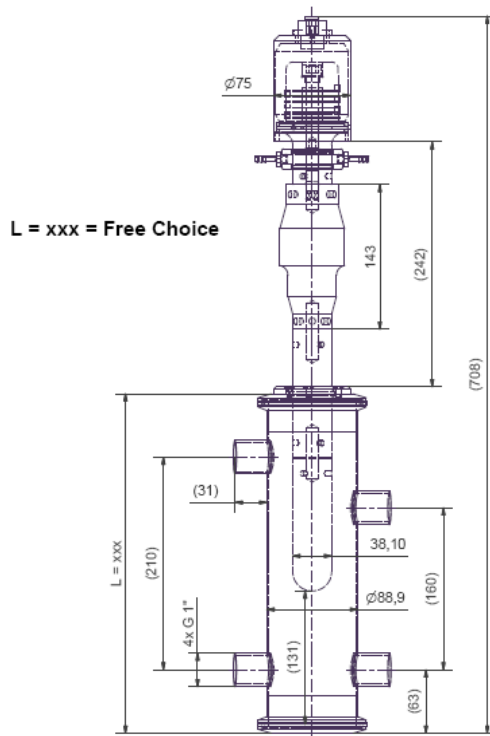


**High power converters with air and/or water cooling**



## Flex Probe Sonicator "88"

Standard Delivery Set



### **Standard delivery set:**

Ultrasonic Converter, Booster (only one), Flex-mount Resonator, Spherical Sonotrode and Reactor Vessel-88 with flanges and fast clamps/covers.

### **Optional (ask for quote):**

More boosters, Additional Sonotrodes, Different Reactor Vessel.