

ROSETT COOLING CELL

The Rosett cooling cell enables uniform treatment at low temperatures. The cell is placed in a cooling bath. The ultrasonic energy forces the sample to circulate repeatedly under the probe and throughout the cooling arms.

30 ml Rosett cooling cell.
Part No. 830-00003



GLASS COOLING CELLS

10 ml cooling cell with water jacket.
Part No. 830-00009

100 ml cooling cell with water jacket.
Part No. 830-00010



10 ml

CONTINUOUS FLOW CELL

The continuous flow cell screws into the converter in place of the probe. Recommended only for the treatment of low viscosity samples which do not require extended exposure to ultrasonics. Designed primarily for dispersing and homogenizing at rates up to 15 liters/hour.

The vessel is fabricated from glass. The probe and processing chamber are fabricated from titanium alloy Ti-6Al-4V and are autoclavable. Ease of disassembly facilitates cleaning. Volume of liquid with probe in place: 35 ml.
Connecting stud: ¼ - 20

For low pressure applications only.

Part No. 630-0566



MICRO CUP HORNS

The micro cup horns can process a sample in isolation without probe intrusion, precluding any possibilities of cross-contamination or airborne pollution. Especially useful when working with contagious materials. Typical applications include: gentle disruption of cells, lysing of blood cells and platelets, shearing proteins and DNA, liposome preparation, and releasing cellular material from viruses.

The water-filled micro cup horn screws into the inverted converter in place of a probe. The test tube containing the sample is placed inside the cup horn. The vibrations produced in the cup induce cavitation inside the tube. Inlet and outlet port enable water to be circulated within the cup, inhibiting heat build-up during extended operation. Ease of disassembly facilitates cleaning, and in contrast to polycarbonate cup horns with removable plastic fittings, is 100% leakproof.

Note: Because the intensity of cavitation within the test tube is substantially less than with direct probe contact, to obtain comparable results when using the cup horn, multiply the processing time by 4.

Probe: Titanium alloy Ti-6Al-4V. Connecting stud: ¼ - 20

Inside diameter 1" (25 mm). Probe radiating face $\frac{25}{32}$ " (20 mm): Part No. 630-0447

Inside diameter 1½" (38 mm). Probe radiating face $\frac{25}{32}$ " (20 mm): Part No. 630-0608



*Bottom inlet port accommodates 0.4" (10 mm) inside diameter tubing. Upper outlet port accommodates 0.5" (13 mm) inside diameter tubing.