OPTIONAL ACCESSORIES FOR VCX 130 AND VCX 130 PB

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

*Inlet and outlet require ⅜" (9.5 mm) I.D. tubing.

LOW VOLUME 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 prolonged exposure to ultrasonics. Designed primarily for dispersing and homogenizing at rates up to 15 liters/hour. The cup 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
Replacement glass chamber. Part No. 630-0565
Replacement probe. Part No. 630-0563
For low pressure applications only.
Part No. 630-0566

**Outlet connects to ½" (13 mm) I.D. tubing. Inlet connects to ⅜" (9.5 mm) I.D. tubing.

MICRO CUP HORNS*

The micro cup horns can process small samples in isolation without probe intrusion, precluding any possibilities of cross-contamination or aerosolization. Especially useful when working with infectious materials. Typical applications include: cell disruption, protein extraction, liposome preparation, protein shearing and releasing cellular components including DNA and RNA.

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 ports enable cooling water to be circulated within the cup, inhibiting heat build-up during extended operation. Ease of disassembly facilitates cleaning, and in contrast to poly-carbonate cup horns with removable plastic fittings, is 100% leakproof. Supplied with splash shield.

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. Diameter 25/32" (20 mm)
Glass vessel Inside diameter 1½" (38 mm).
Part No. 630-0608

*Water inlet connects to ⅜" (9.5 mm) I.D. tubing. Water outlet connects to ½" (13 mm) I.D. tubing.

SONICS®
SONICS & MATERIALS, INC.
SONICS & MATERIALS, INC., 53 CHURCH HILL ROAD, NEWTOWN, CT 06470 USA
1-800-745-1105
WWW.SONICS.COM