

### Cup Horn

A Cup Horn offers indirect sonication and functions as a high intensity ultrasonic water bath. Multiple samples can be processed in sealed tubes eliminating cross contamination or aerosol issues.

The horn is mounted within an acrylic cup and the cup is filled with water. Sample tubes are placed in a rack at a fixed distance above the ultrasonic horn. Cavitation is produced in the water, processing the samples within the tubes. The #440 tube rack is included with the Cup Horn. This rack is made for 1.5mL polystyrene tubes which are proven to process samples more efficiently than 1.5mL polypropylene tubes.

Sonication generates heat so ports for cooling are located on each side of the cup. The #4905 Chiller is recommended for maintaining both the water temperature and water level within the Cup Horn.

The Sound Enclosure is highly recommended for all Cup Horn users. In addition to reducing sonication noise to safe levels, it securely holds the Cup Horn in place. Custom tube racks are available. Contact Qsonica for application assistance.



#431C2

#### Optional Tube Racks



#440



#451



#449



#445



#455



#454



Part #	Tube Holder Description
440	8 x 1.5mL Polystyrene tubes
451	8 x 1.5mL Polypropylene tubes
449	12 x 600µl PCR tubes
445	24 x 300µl PCR tubes
455	1 x 50mL tube
454	1 x 15mL tube