

ULTRASONIC EQUIPMENT FOR LARGE VOLUME APPLICATIONS



When used in conjunction with the VC 750 ultrasonic processor and booster Part No. BHNVC21, the flow cell throughput rate is typically 50 liters/hour. When used in conjunction with the VCX 1500 ultrasonic processor and booster Part No. BHNVC31, the flow cell throughput rate is typically 100 liters/hour – variables being viscosity and desired degree of processing. The flow cell is recommended for the treatment of low viscosity samples which do not require extended exposure to ultrasonics. Designed primarily for dispersing and homogenizing. For optimum performance, when working on a flow through basis, premixing the sample with a mechanical mixer or stirrer is recommended. The flow cell is easily disassembled for inspection and cleaning, and is water jacketed to enable the sample to be cooled/heated while it is being processed. All wetted parts are autoclavable.

SPECIFICATIONS

POWER SUPPLY	VC 750 or VCX 1500
CONVERTER	For VC 750 – Part No. CV 334. Piezoelectric lead zirconate titanate crystals (PZT) For VCX 1500 HV – Part No. CV 294. Piezoelectric lead zirconate titanate crystals (PZT)
BOOSTER	For VC 750 HV – Part No. BHNVC21. Increases amplitude by 100% For VCX 1500 HV – Part No. BHNVC31. Increases amplitude by 150%
HIGH VOLUME CONTINUOUS FLOW CELL	Weight: 11 lbs. (5 kg) Height: 17" (425 mm) Width: 16" (400 mm) Housing: 316 stainless steel. Quick opening clamp Probe – Solid – 630-0609: Titanium alloy Ti-6Al-4V Operating pressure: Up to 50 psi (345 kPa/3.45 bar) Volume of liquid in chamber with probe in place: 400 ml. Tubing required: ¼" (6 mm) inside diameter Part No. 630-0583

ORDERING INFORMATION

	Part No.
750 Watt high volume ultrasonic liquid processing system	VC 750 HV
Replacement solid probe for high volume continuous flow cell630-0609
Sound abating enclosure for high volume continuous flow cell (H x W x D) 36" x 16" x 16" (914 x 406 x 406 mm)630-0474
1500 Watt high volume ultrasonic liquid processing system	VCX 1500 HV
Replacement solid probe for high volume continuous flow cell630-0609
Sound abating enclosure for high volume continuous flow cell (H x W x D) 36" x 16" x 16" (914 x 406 x 406 mm)630-0474