



# VCX 1500

1500 Watts  
Processing Volume: 1 – 10L\*

The **VCX 1500** is a reliable and durable choice for many applications. This model includes a 1" diameter, 10" long probe with a 100µm maximum amplitude.

A variety of probe options are available including the flow cell inline processing accessory. Electrical requirements are 220V, 50/60Hz, single phase, 20A.

## FEATURES:

- Programmable
- Variable power output
- 10 hour timer
- Pulse mode
- Wattage and Energy display
- Temperature monitoring
- Energy setpoint



Ordering information: Model no. **VCX 1500**

1500 watt ultrasonic processor with 1" diameter probe, booster and tool kit.

Note: Air cooling of the converter by a compressed air source is required. The user must provide approximately 10psi (5 cfm) of clean, dry air to prevent overheating of the ultrasonic processor.

## SPECIFICATIONS

Power Output	1500 watt maximum	Booster (2:1)	Part #BHN294T21
Frequency	20kHz	Length	5" (129mm)
Dimensions	H x W x D: 7 x 15 x 18.25" (178 x 380 x 464mm)	Converter Cable	Part #201-0106
		Length	10' (3m)
Ultrasonic Converter	Part #CV294	Tool Kit	Part #888-00054 spanner wrench (2 included)
Diameter	3" (76.2mm)		
Length	6.25" (159mm)		
Standard Probe	Part #630-0697	Optional:	
Tip Diameter	1" (25mm)	Stand with Clamp	Part #830-00461
Material	Ti6Al4V titanium alloy	Temperature Probe	Part #830-00060
		Sound Enclosure	Part #830-00474

\*The actual processing volume of a specific probe or accessory is application specific.



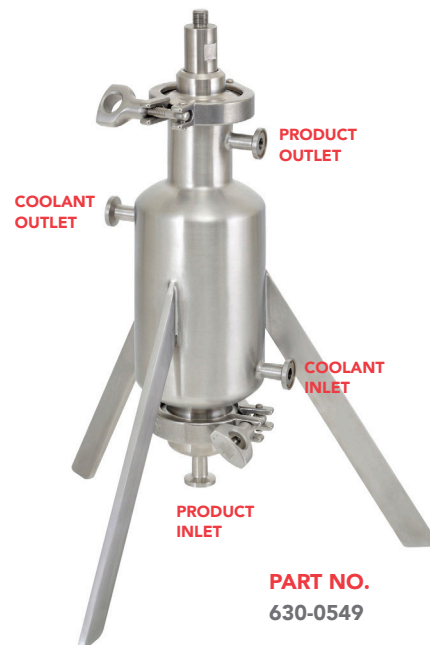
# HIGH VOLUME CONTINUOUS FLOW CELL

The flow cell enables large volume, continuous processing. The throughput rate depends on many variables including 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. For optimum performance, when working on a flow through basis, pre-mixing the sample with a mechanical stirrer is recommended. Multiple units can be used in series to reduce processing time and/or maintain higher flow rates.

The liquid sample is pumped into the flow cell through the inlet at the bottom of the unit. As the sample passes through the cavitation field, it is processed. The processed liquid exits the unit through an outlet port. The degree of processing can be controlled by adjusting the intensity of sonication as well as flow rate.

The flow cell is easily disassembled for inspection and cleaning, and is water jacketed to enable the sample to be cooled while it is being processed. All wetted parts are autoclavable.

**HIGH VOLUME FLOW CELL WITH HIGH EFFICIENCY PROBE**



**1500 WATT ULTRASONIC PROCESSOR, CONVERTER, BOOSTER, PROBE, HIGH VOLUME FLOW CELL**



**HIGH EFFICIENCY FLOW CELL PROBE**



**SOUND ENCLOSURE FOR VCX 1500HV**



## FLOW CELL SPECIFICATION

Material: 316 stainless steel  
Height: 17" (432 mm)  
Width: 16" (406 mm)  
Weight: 12 lbs. (5.5 kg)

Operating pressure: Up to 100 psi  
Internal volume w/probe: 400 mL  
Product/Coolant Connectors: 1/2" (13 mm) sanitary fittings