



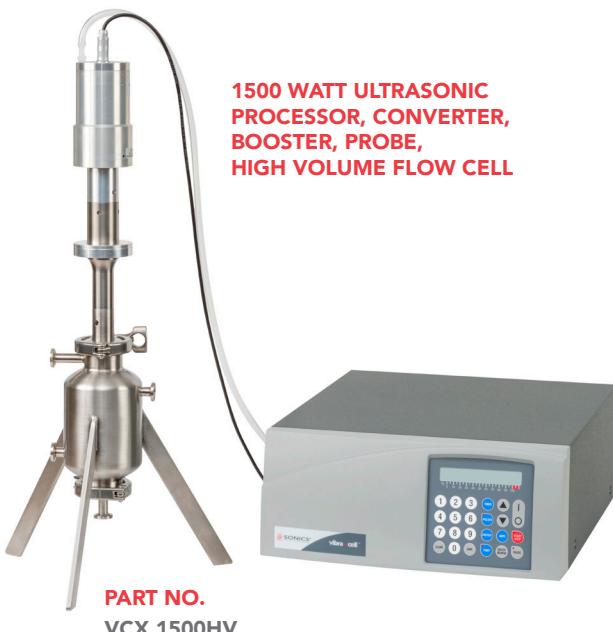
HIGH VOLUME CONTINUOUS FLOW CELL

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.



PART NO.
VCX 1500HV

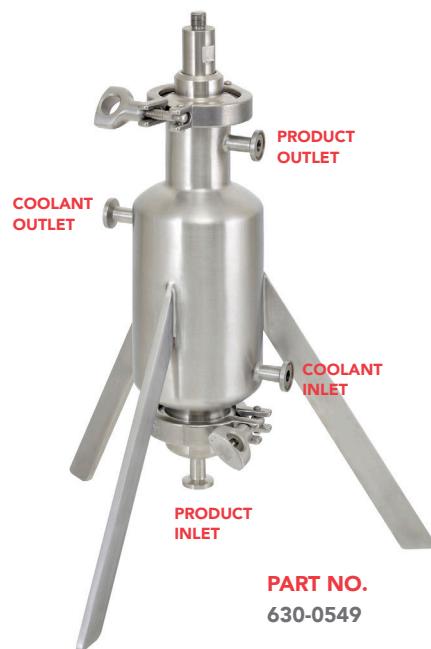
1500 WATT ULTRASONIC
PROCESSOR, CONVERTER,
BOOSTER, PROBE,
HIGH VOLUME FLOW CELL

HIGH EFFICIENCY
FLOW CELL PROBE

PART NO.
630-0625



HIGH VOLUME FLOW CELL WITH
HIGH EFFICIENCY PROBE



PART NO.
630-0549

SOUND ENCLOSURE
FOR VCX 1500



(H X W X D) 38" X 18" X 17.75"
(965 X 457 X 451 mm)

PART NO. 830-00474

FLOW CELL SPECIFICATION

| | |
|-----------|----------------------|
| Material: | 316L 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 |