



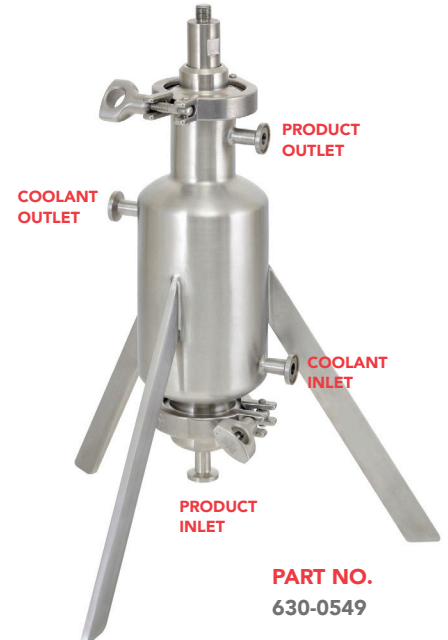
# HIGH VOLUME CONTINUOUS FLOW CELL

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**



**PART NO.**  
**630-0549**



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

**PART NO.**  
**VCX 1500HV**

**HIGH EFFICIENCY FLOW CELL PROBE**



**PART NO.**  
**630-0625**

**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