



VCX 2000

2000 Watts
Processing Volume: 5-20L*

The **VCX 2000** is a reliable and durable choice for many applications. This model includes a 1" diameter, 10" long probe with a 90µm 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 2000**

2000 watt ultrasonic processor with 1.5" 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	2,000 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 #CV294V	Tool Kit	Part #888-00054 spanner wrench (2 included)
Diameter	3" (76.2mm)		
Length	6.25" (159mm)		
Standard Probe	Part #630-0777	Optional:	
Tip Diameter	1.5" (38mm)	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.



VCX 2000 ACCESSORIES

The VCX 2000 system includes the 630-0777 probe. Two additional probes are available for both smaller or larger volumes.

PART NO.	TIP DIAMETER	PROBE LENGTH	PROCESSING VOLUME*
630-0697	1" (25mm)	10" (250mm)	1-10L
630-0777	1.5" (38mm)	10" (250mm)	5-20L
630-0702	1.5" (38mm)	15" (380mm)	10-25L

Note: processing volumes are application specific.



PART NO.
630-0697

PART NO.
630-0777

PART NO.
630-0702

OPTIONS:



STAND WITH CLAMP

PART NO.
830-00461



SOUND ENCLOSURE

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

PART NO. 830-00474



TEMPERATURE PROBE

PART NO.
830-00060

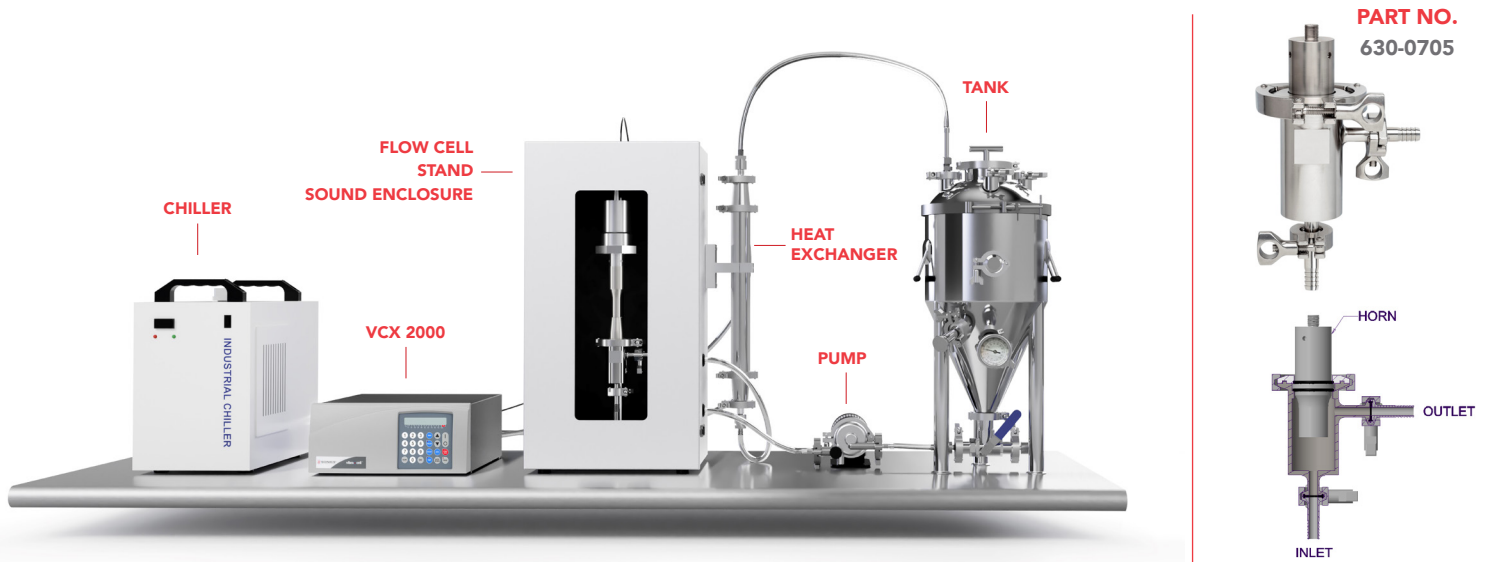


VCX 2000 CONTINUOUS FLOW CELL

Part no. 630-0700 Flow Cell is designed for continuous, flow-through ultrasonic processing of approximately 10–50L* of material. Actual throughput and effective working volume are application-dependent and influenced by key process variables, including sample concentration, viscosity, and the required degree of ultrasonic treatment.

Process fluid enters the flow cell through the bottom inlet and flows past the probe tip, where ultrasonic cavitation is applied. The treated fluid then exits through the outlet port. The degree of processing is controlled by adjusting the sonication amplitude and the flow rate.

The flow cell is equipped with a 1.5" (38 mm) diameter probe and features sanitary process connections. The assembly is designed for straightforward disassembly to facilitate cleaning and maintenance. Due to heat generated during ultrasonic operation, external cooling (e.g., a heat exchanger) is required. For safe operation, the flow cell assembly must be mounted on its stand and operated within a sound enclosure.



Part no. VCX-2000FP-220 includes the VCX 2000, chiller, flow cell, booster, probe, stand, sound enclosure and heat exchanger.

A pump, tank, and tubing are not included because the required specifications vary depending on the application. Customers should review their process requirements to select compatible components from local suppliers.

FLOW CELL SPECIFICATION

Height: 9" (228 mm)
Width: 6" (152 mm)
Weight: 5 lbs. (2.2 kg)

Material: 316L stainless steel
Internal volume w/probe: 110 mL
Flow Cell Connections: 1/2" (13 mm) sanitary fittings