



# VC 50

50 Watts

Processing volume: 200µl – 50mL\*

The **VC 50** is a small and compact 50 watt ultrasonic processor. The probe can be held by hand and ultrasonic energy is activated by turning the amplitude knob on the front panel.

The 1/8" probe (0.5 – 15mL volumes) is included and a variety of accessories are available for various applications and sample volumes.

## FEATURES:

- Compact design
- Variable power output
- Low cost



(stand is optional)

Ordering information: Model no. **VC 50**  
50 watt ultrasonic processor with 1/8" diameter probe and tool kit.

## SPECIFICATIONS

Power Output	50 watt maximum	Converter Cable Length	Permanently attached 5 ft. (1.5m)
Frequency	20 kHz		
Dimensions	H x W x D: 8 x 8 x 5" (203 x 203 x 127mm)		
Ultrasonic Converter Diameter	Part #CV18 1.25" (32mm)	Tool Kit	Part #888-00056 open end wrench (2 included)
Ultrasonic Converter Length	5.75" (146mm)		
Standard Probe Tip Diameter	#630-0422 1/8" (3mm)	Optional: Stand with Clamp	Part #830-00460
Standard Probe Length	5.4" (137mm)	Sound Enclosure	Part #830-00451
Standard Probe Material	Ti6Al4V titanium alloy		

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



# ACCESSORIES FOR 50 WATT SYSTEMS

## PROBE OPTIONS

Probes amplify and radiate the ultrasonic energy into the sample. All probes are fabricated from titanium alloy Ti-6Al-4V and are autoclavable. Each ultrasonic processor includes a standard probe which can be substituted for a different size or accessory if requested.

**TIP DIAMETER**

$\frac{5}{64}$ " (2mm)

**PART NO.**  
630-0423**VOLUME**  
0.2-5mL**AMPLITUDE**  
135 $\mu$ m**TIP DIAMETER**

$\frac{1}{8}$ " (3mm)

**PART NO.**  
630-0422**VOLUME**  
0.5-15mL**AMPLITUDE**  
170 $\mu$ m**TIP DIAMETER**

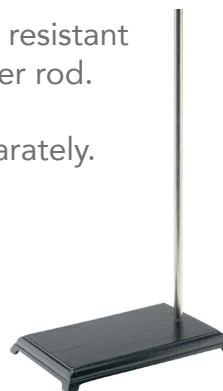
$\frac{1}{4}$ " (6mm)

**PART NO.**  
630-0435**VOLUME**  
10-50mL**AMPLITUDE**  
120 $\mu$ m

## SUPPORT STAND WITH CLAMP

Securely support your ultrasonic processor with a chemically resistant plastic holder on a 5.5" x 9" cast-iron base with 0.5" diameter rod.

The converter clamp and support stand can be ordered separately.

**PART NO.**  
830-00460**PART NO.**  
830-00118**PART NO.**  
830-00109

## SOUND ABATING ENCLOSURE

Ultrasonic processing produces high pitched noise, which originates from the vessel walls and the liquid surface. The sound enclosure reduces the noise to comfortable levels. A support rod and converter clamp are included. Access ports are available on both sides and the top of the enclosure.

**OUTSIDE DIMENSIONS:**

(H x W x D) 20" x 12" x 12" (508 x 305 x 305 mm)

**INSIDE DIMENSIONS:**

(H x W x D) 18.5" x 11" x 11" (470 x 280 x 280 mm)

**PART NO.**  
830-00451

## FOOTSWITCH

For hands-free operation with 10' (3m) cable.

**PART NO.**  
830-00004