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ACCESSORIES FOR 130 AND 50WATT 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
5/64" (2mm)

PART NO.
630-0423

VOLUME
0.2-5mL

AMPLITUDE
135µm



TIP DIAMETER
⅛" (3mm)

PART NO.
630-0422

VOLUME
0.5-15mL

AMPLITUDE
170µm



TIP DIAMETER
¼" (6mm)

PART NO.
630-0435

VOLUME
10-50mL

AMPLITUDE
120µm



TIP DIAMETER
½" (12mm)

PART NO.
630-0504

VOLUME
50-150mL

AMPLITUDE
45µm

Only for 130W models

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.

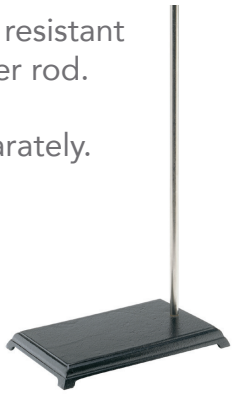
The converter clamp and support stand can be ordered separately.



PART NO.
830-00460



PART NO.
830-00118



PART NO.
830-00109



PART NO.
830-00451

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)

FOOTSWITCH

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



PART NO.
830-00004

VCX 130 and VC 50 only



EIGHT ELEMENT PROBE

The eight-element probe increases productivity and minimizes repetitive tasks by processing 8 samples simultaneously. Recommended for use in 96 well plates.

SPACING BETWEEN TIPS
$^{11}/_{32}$" (9 mm)

TIP LENGTH
$^{1}/_{16}$" (17 mm)

TIP DIAMETER
⅛" (3 mm)

PART NO.
630-0602

Only for 130W models

LOW VOLUME CONTINUOUS FLOW CELL

The continuous flow cell screws into the converter in place of the probe. This system is recommended for the treatment of low viscosity samples that require short processing times. The main body is glass and the probe and processing chamber are titanium. The volume of liquid needed to fill the chamber is 35 ml.

Outlet connects to ½" (13 mm) I.D. tubing.
Inlet connects to ⅜" (9.5 mm) I.D. tubing.



PART NO.
630-0566

Only for 130W models



CUP HORN

The cup horn can process small samples in isolation without probe intrusion, removing the risk of cross contamination or aerosolization. This is especially useful when working with infectious materials.

The water-filled micro cup horn screws into the inverted converter in place of a probe. A tube containing the sample is placed inside the cup horn. The vibrations produced in the cup induce cavitation inside the tube. Inlet and outlet ports enable cooling water to be recirculated within the cup, inhibiting heat build-up during extended operation. A holder for 1.5mL tubes is included.

Outlet connects to ½" (13 mm) I.D. tubing.
Inlet connects to ⅜" (9.5 mm) I.D. tubing.

PART NO.
630-0608

Only for VCX 130 model

ROSETTE GLASS COOLING CELLS

The rosette is a glass cell that enables uniform treatment at low temperatures. Fill the rosette with your liquid sample and place it in an ice bath. The ultrasonic energy forces the sample to circulate under the probe and through the cooling arms.



300mL Rosette

PART NO.
830-00001

30mL Rosette

PART NO.
830-00003



JACKETED BEAKERS

The jacketed beaker is attached to a chiller or another cold water source. The chilled water is circulated around the liquid within the beaker maintaining the desired sample temperature.

10mL cooling cell with water jacket

PART NO.
830-00009

100mL cooling cell with water jacket

PART NO.
830-00010

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