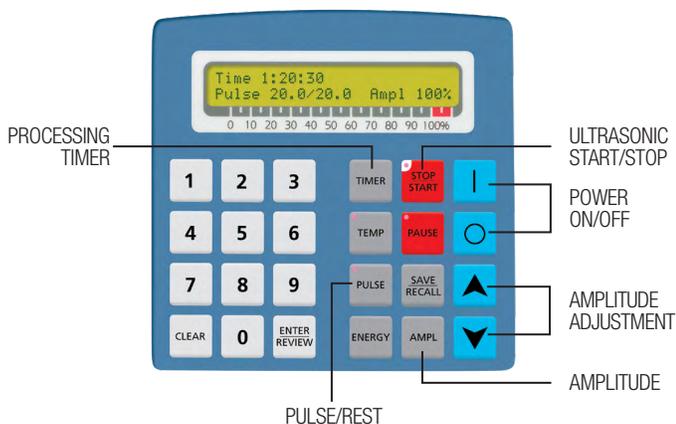


Q1375 Sonicator

The Q1375 offers the ability to process industrial scale sample volumes in individual batches or flow through applications. This model includes a 1" diameter, 10" long probe and booster. The booster increases the amplitude of the probe which enables larger volumes to be processed.

The Q1375 Sonicator offers the ability to program processing times and a full range of intensity settings. Processing time can be set from 1 second to 10 hours. A pulsing feature is also included. Pulsing can reduce the amount of heat generated by sonication when processing temperature sensitive samples.



FEATURES:

Programmable operation

Set time and amplitude for hands free operation

Pulse mode

Prevent heat buildup in temperature sensitive samples

Digital amplitude / intensity control

Output intensity can be set from 20-100%

Elapsed time indicator

Displays duration of sonication

Display of wattage and joules

Real-time energy monitoring

Overload protection

Prevents damage to circuitry if a fault occurs

Temperature protection

Prevents overheating of samples

PART NO. Q1375 INCLUDES:

- Generator
- Converter
- 3:1 Booster
- Converter cable
- Power cable
- Wrench set
- #4597 probe

TECHNICAL SPECIFICATIONS:

Power Rating:	1,375 watts
Frequency:	20 kHz
Programmable Timer:	10 hours
Adjustable Pulse On/Off:	1 second to 1 minute
Dimensions (H x W x D):	7 x 15 x 18.25 in. (178 x 380 x 463 mm)
Voltage:	220V, 50/60 Hz

High Volume In-Line Processing



Flocells offer inline processing of larger sample volumes. Flocells are ideal for mixing, dispersing, lysing cells and many other applications. The Q1375F package features a high power Sonicator with a High Volume Flocculator (HVF) for large scale processing.

The HVF has a maximum flow rate of 20 liters per minute. Individual flow rates will vary depending on the type of sample, degree of processing required and viscosity.

PART NO. Q1375F INCLUDES:

- Q1375 (without Standard Probe)
- 4549 HVF (see page 13)
- 4625 Floccell Probe

High Volume Batch Processing



#4597

#4617

#4662

Full wave probes are required to reach down inside and process samples within large vessels. Part #4597 is a standard probe and works well for many applications. Larger volumes and more difficult applications will benefit from the additional surface area and higher power of the #4617 probe. #4662 features a 2" tip diameter and can process an even larger volume than other probe options. Contact us for assistance with selecting a probe for your application.

Probes	Part # 4597	Part # 4617	Part # 4662
Processing Volume*	500 ml - 10 L	2 L - 20 L	10 L - 30 L
Tip Diameter	1" (25 mm)	1" (25 mm)	2" (51 mm)

**Actual processing volumes may vary based on the application and type of sample.*

Optional Accessories



#4474



#4060



#461

Part #	Description
4474	Sound Enclosure with Converter Holder (W x H x D) 36 x 16 x 16 in. (914 x 406 x 406 mm)
4060	Temperature Probe
461	Support Stand and Converter Clamp

**Stand and clamp can be used inside of enclosure*