

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.

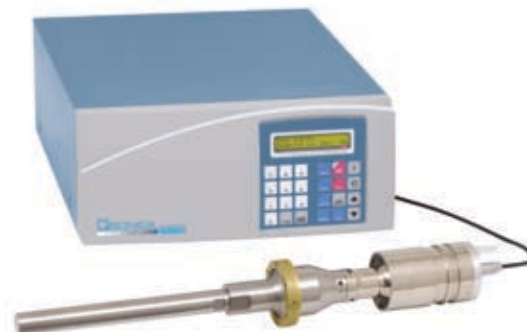
The Q1375 Sonicator offers the ability to program processing times and a full range of intensity settings. Processing time can be set from 1 second to 10 hours. A pulsing feature is also included. Pulsing can reduce the amount of heat generated by sonication when processing temperature sensitive samples.

FEATURES:

- High volume capability
- Programmable operation
- Process up to 20 liters*

TECHNICAL SPECIFICATIONS:

Power Rating:	1,375 watts
Frequency:	20 kHz
Dimensions:	11" H x 15" W x 18.25" D
Voltage:	220V, 50/60 Hz



PART NO. Q1375 INCLUDES:

- Generator
- Converter
- 3:1 Booster
- 1" dia. extender probe
- Converter cable
- Power cable
- Wrench set

**static processing volume is aided by the addition of a mechanical mixer or stir bar.*

Flocell - Inline Processor

Flocells offer inline or continuous processing of large sample volumes. Flocells are ideal for mixing, dispersing and cell lysis applications. The 4583 model is powered by the Q1375 watt Sonicator and is capable of processing 20 liters per minute (degree of processing needed and sample viscosity can affect flow rate).

The unprocessed sample is introduced through the bottom inlet and passes across a specially designed ultrasonic inline probe. The degree of processing can be controlled by adjusting the intensity of sonication as well as flow rate.

Batch volumes can be recirculated through the system multiple times if increased sonication time is needed. Multiple units can be used in succession to reduce processing time and/or maintain a higher flow rate. The Flocell has a water jacket for coolant if needed.



PART NO. Q1375F INCLUDES:

- Q1375 Sonicator
- 4583 Flocell (see page 11 for details)



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