

Ultrasonic Device UIS250v and VialTweeter

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Device
UIS250v
with
VialTweeter
or
Sonotrode



UIS250v with VialTweeter



UIS250v with sonotrode LS24d5

Technical
Details

UIS250v: 250 watts ultrasonic device for handheld operation or for stand use, ultrasonic frequency 24kHz, automatic frequency tuning, amplitude adjustable from 20 to 100%, pulse adjustable from 0 to 100%, dry running protected, with 9-pin DSUB interface, transducer IP40 grade, titanium horn
VialTweeter: titanium block sonotrode for the indirect sonication of up to 8 vials (e.g. Eppendorf)

Applications

Mixing & Blending, Homogenization, Emulsifying, Dispersing & Dissolving, Disintegration & Cell Disruption, Deagglomeration & Particle Size Reduction, Degassing

Advantages

- **Performance:** up to 10 watts into each of the six vials in the high intensity part and up to 5 watts to the two vials in the lower intensity part
- **Efficiency:**
 - higher efficiency than ultrasonic bath or tank as the energy goes only into the liquid in the vials
 - time saving: the power levels allow for sophisticated sonication processes in short time, similar to direct sonication by a homogenizer
 - sonication of up to 6 vials under the same condition at the same time
- **Flexibility:**
 - the ultrasonic processor UIS250v can be used with VialTweeter for indirect sonication or with sonotrode for direct probe sonication
 - various accessories allow use in manifold applications and conditions
 - VialTweeter is suitable for vials of the most common sizes, brands and designs. Possibility for indirect sonication of a single vessel with up to 500ml in front of the VialTweeter

Items:

- Ultrasonic Processor UIS250v ○ 115 volt ○ 230volt
- VialTweeter
- Sonotrode LS24d5 with 5mm tip diameter
- Stand ST1-16
- ST1-Clamp
- Power Meter



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