

TI-H-20

Multi-frequency ultrasonic cleaning unit

Elma Order Nos

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|----------------------------------------------------------------------------------|--------------|
| TI-H-20 MF2 230V | 239 040 0020 |
| TI-H-20 MF2 115V | 239 040 0023 |
| TI-H-20 MF2 100V | 239 040 0024 |
| TI-H-20 MF3 230V | 239 040 0010 |
| TI-H-20 MF3 115V | 239 040 0013 |
| TI-H-20 MF3 100V | 239 040 0014 |
| Stainless steel lid | 239 040 0050 |
| Stainless steel basket (mm – inch) 290 / 270 / 130 – 11 2/5 x 10 3/5 x 5 1/10 | 200 000 0998 |
| Hinged cover for heat and sound insulation | 239 045 0000 |



Pictured TI-H-20

Powerful cleaning unit of robust quality, with ergonomic design and innovative technology:

- two selectable frequencies on MF2 and MF3 models for intensive and gentle cleaning
- available frequency pairs 25/45kHz, 35/130kHz or single-frequency 35kHz
- multi-frequency model with 25/45 kHz:
 - 25 kHz for the coarse cleaning and removal of lapping and polishing media
 - 45 kHz for the fine cleaning and removal of oil and grease
 - ideal for hard surfaces made of metal and glass in the industrial, craft and jewellery manufacturing sector, only suitable for hard precious stones
- multi-frequency model with 35/130 kHz:
 - 35 kHz for the removal of oil and grease from hard surfaces, such as metal, glass and hard precious stones
 - 130 kHz for the cleaning of sensitive surfaces in the jewellery or electronics business
- Degas mode for the efficient degassing of the cleaning liquid
- Sweep mode for the perfect sound field distribution
- variable ultrasonic power
- skimming device in standard units, for the optional connection to an external oil separator or filter-pump aggregate
- transducer tanks made of special stainless steel, for powerful use and a long service life of the transducer tank
- timer for ultrasonic activity, variable between 0 and 15 min. and permanent operation
- temperature control 30 - 80 °C

Technical data

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|-----------------------------------------|------------------------|------------------------|-----------------|
| Mains voltage (Vac) | 100-120V oder 200-240V | Tank capacity (litres) | 16,8 |
| Mains connection | 1 Ph. / 1N / 1 PE | Weight (kg) | 20 |
| Power consumption total (W) | 1650 | Drain | 1/2" |
| Ultrasonic power effective (W) | 250 | Material tank | Stainless steel |
| Ultrasonic peak performance max.* (W) | 1000 | Material casing | Stainless steel |
| Heating (W) | 1400 | Protection class | IP 21 |
| Unit outer dimensions W / D / H (mm) | 430 / 470 / 420** | | |
| Tank internal dimensions W / D / H (mm) | 330 / 300 / 200 | | |

* The signal form of the wave results in a factor 4 for the ultrasonic peak max., depending on the modulation of the wave.