

TI-H-160

Multi-frequency ultrasonic cleaning unit

Elma Order Nos

TI-H-160 SF1 400V	110 000 0468
TI-H-160 SF1 200V	110 000 0469
TI-H-160 MF2 400V	110 000 0423
TI-H-160 MF2 200V	110 000 0404
TI-H-160 MF3 400V	110 000 0205
TI-H-160 MF3 200V	110 000 0402
Stainless steel lid	110 750 0847
Stainless steel basket (mm – inch) 440 / 540 / 350 – 17 3/10 x 21 2/10 x 13 8/10	120 800 0688



Pictured TI-H-160

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
- single-frequency model 35 kHz (optional) for reliable, thorough cleaning
- Degas mode*1 for the efficient degassing of the cleaning liquid
- Sweep mode*2 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

*1 not available for SF 1 version *2 fixed version at SF 1

Technical data

Mains voltage (Vac)	200-208V oder 380-400V	Tank capacity (litres)	135
Mains connection	3 Ph. / 1N / 1 PE	Weight (kg)	140
Power consumption total (W)	7600	Drain	1"
Ultrasonic power effective (W)	1600	Material tank	Stainless steel
Ultrasonic peak performance max.* (W)	6400	Material casing	Stainless steel
Heating (W)	6000	Protection class	IP 21
Unit outer dimensions W / D / H (mm)	840 / 1000 / 720**		
Tank internal dimensions W / D / H (mm)	600 / 500 / 500		

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