

Elmasonic X-tra Line 1600 Flex 1

Modular ultrasonic cleaning unit with oscillation device

Elma Order Nos.

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|---------------------------------|----------|
| Elma X-tra 1600 MF2O | 103 3296 |
| Elma X-tra 1600 MF3O | 103 3297 |
| Stainless steel basket EKO 1600 | 102 2016 |
| Stainless steel cover EDO 1600 | 101 1744 |
| Further accessoires on request | |

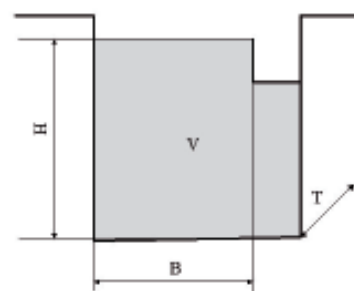


Pictured Elmasonic X-tra Line 550 Flex 1

Ultrasonic single workstation for the industrial cleaning, available in 5 different unit sizes (300, 550, 800, 1200 and 1600) and two different models each: multi-frequency 25 / 45 kHz (MF2) or 35 / 130 kHz (MF3). The unit is equipped with an oscillation device for the cleaning basket which assists and improves the cleaning effect of the ultrasound, and which also provides a drip-off support for the stainless-steel basket. The units of the Elmasonic X-tra pro series can be combined with a rinsing tank (with / without heating) and a hot air dryer of the relevant size. The units are delivered including support frame.

Product features:

- ultrasonic tank made of extremely cavitation-proof stainless steel (V4A)
- inclined tank floor to facilitate the draining of the cleaning liquid
- skimming ledge for the optional surface skimming, e.g. of oil
- bottom scouring of removed sediments (optional)
- sandwich-type performance transducer systems
- two ultrasonic frequencies, switchable in one unit (version MF2 25 kHz/45 kHz or version MF3 37 kHz/130kHz), for either intensive, or gentle cleaning
- user-friendly operation by keys and display; 5 display languages available
- setting and starting of up to 5 user-defined cleaning programmes
- timer for the programming of day controlled or time controlled cleaning start, and user-defined switch-off
- activatable sweep mode for a continuous shifting of sound field maxima, guarantees a more homogeneous sound field distribution in the bath
- activatable pulse mode for an intensified ultrasonic cleaning power for tenacious contaminations.
- activatable degas mode for the efficient degassing of the cleaning liquid and for special laboratory cleaning tasks
- manual setting of ultrasonic intensity
- heating with temperature control (30°C – 80°C)
- automatic safety switch-off after 12 h operation to prevent unintended permanent operation
- automatic safety switch-off at 90 °C to protect the cleaning items against excess temperatures
- level monitoring with integrated automatic safety switch-off in case of too low liquid level
- housing made of V2A stainless steel
- drain duct made of V2A stainless steel, mounted to the unit rear
- connection ducts for the optional connection of peripheric equipment (e.g. filter-pump system, oil separator)
- connection to an external control system possible (PLC / PC)



Technical data

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| Mains voltage unit (Vac) | 3 x 400 V / N / PE | Tank filling volume V (L) | 167 |
| Mains plug / Connected load (A) | CEKON / 32 | EKO Basket int. dim. W/D/H (mm) | 436 / 509 / 372 |
| Power consumption total ultrasonic cleaner (W) | 9520 | EKO Basket mesh size (mm) | 8 / 8 / 1 |
| Ultrasonic power effective (W) | 2000 | EKO Basket loading max. (kg) | 40 |
| Ultrasonic peak performance max.* (W) | 8000 | Drain | 1" |
| Heating (W) | 7500 | Material tank | Stainless steel V4A |
| Power consumption total oscillation (W) | 320 | Unit Weight (kg) | 220 |
| Unit outer dimensions W / D / H (mm) | 730 / 1070 / 1700 | Protection class | IP 23 |
| Tank service dimensions W / D / H (mm) | 550 / 600 / 456 | * The signal form of the wave results in a factor 4 for the ultrasonic peak max. | |