



# Elma Pre-cleaning Station CSSD

The first pre-cleaning station made up of modular standard components



Rinsing tank with shower head, DI water outlet and compressed air outlet. Steam cleaner and suction hood available on request.

Two ultrasonic frequencies.

Soaking sink or pre-cleaning work place with shower head.

Store room:  
Floor unit 1/2.



# Elma Pre-cleaning Station CSSD

The perfect system for pre-cleaning before cleaning and disinfection

The modular system can be set up of various selectable stainless-steel components which can be arranged individually to meet special requirements in the central sterilisation service department. The dimensions of each module are fixed and the stainless-steel worktop is tailor-cut to fit the station.



**Module – Multifunctional work place with DI water shower head, DI water outlet, steam generator outlet and compressed air connection; a suction hood arranged above the sink is available on request.**

Steam can remove even those contaminations that are not removed by other methods.

The pre-cleaning sink in the picture is equipped with an Elmasteam steam cleaner. This unit produces a steam pressure of up to 8 bar and removes crystallised deposits, blocked joints and tenacious contaminations from surfaces. For the cleaning of hollow items the flexible hand piece is fitted with a Luer-Lock adapter, so that even hard encrusted contaminations are removed reliably and thoroughly.

A suction hood can be mounted above the sink to prevent the steam and removed particles from being distributed into the surroundings. The suction power can be increased or reduced. A special suction aggregate takes the steam into a customer-provided exhaust air system. As an alternative to the suction hood, the station can be fitted with a condensation device.

Dimensions: W 1350 mm D 730 mm H 895 mm / H 1920 mm including suction hood

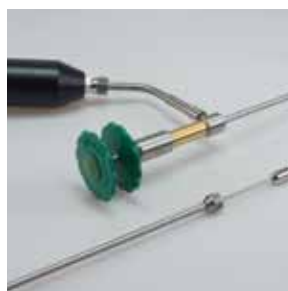
## Elmasteam steam cleaning technology

Removes with flexible handpiece encrusted contaminations from instruments.



## Luer-Lock adapter set

For the connection of MIS instruments. Perfect pre-cleaning of hollow instruments.



## Suction hood for aerosols





Dimensions: W 720 mm H 730 mm D 895 mm

Simple and self-explanatory operation.  
All operating functions at a glance.

Dimensions:  
W 870 mm H 730 mm D 895 mm  
Tank inside dimensions:  
W 620 mm D 520 mm H 300 mm



## Module – Soaking and pre-cleaning sink, suspension racks for DI water and compressed air outlets available on request

Stainless-steel sink with rounded corners and drain. Pluggable stand pipe (rinsing overflow). Flexible shower head with mixer tap. One suspension rack on each side for the (optional) water and compressed air outlets.

## Module - Elmasonic ultrasonic unit operating at 2 frequencies

- Ultrasonic multifrequency, for the perfect pre-cleaning before cleaning and disinfection

**25 kHz** for the removal of tenacious contaminations and for the acid basic cleaning

**45 kHz** standard cleaning frequency for the removal of blood, protein, secretion and organic particles

**Operation** - All parameters can be set individually and are clearly indicated in the front display. The liquid-tight display and the foil keys can be operated even with rubber gloves. The cleaning parameters can be programmed individually.

**Sweep** - This operating mode distributes the ultrasound evenly throughout the tank. Dead zones in wave knots are avoided.

**Pulse** - Power increase of the peak power through modulation of the ultrasonic waves. Removes extremely tenacious contaminations, such as coking, etc.

**Cleaning programmes** - Up to 5 user-defined cleaning programmes can be set up and saved.

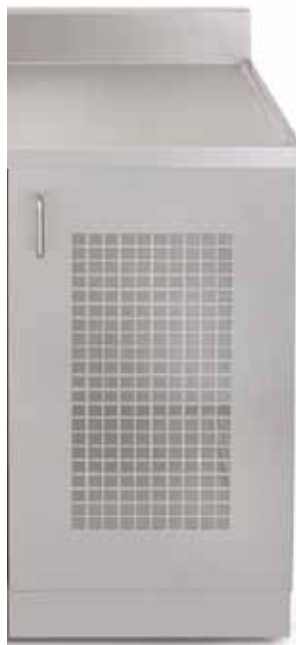
**Service** - Easy-care removable front containing the generator and the complete electronics (quick and easy exchange of electronics if necessary)

Ultrasonic stainless-steel tank made of cavitation-proof special steel. Hygienic rounded tank corners. Filling level marking to facilitate dosing of the cleaning chemical.

Water supply duct integrated in the worktop. Application of stainless-steel standard trays possible. Dosing device for disinfectant available on request.



Dimensions 1/1: W 900 mm H 730 mm D 895 mm  
Dimensions 1/2: W 450 mm D 730 mm D 895 mm



## Module – Floor unit ½ or 1/1

The floor unit ½ is a module which can be added to close a gap in the arrangement of the workplace while providing room for pre-cleaned baskets on the top and storage room in the floor cabinet for disinfectants and other items.

All floor units are open at the back to allow silicon sealing against the back wall.

For technical details and information on the steam cleaner and the ultrasonic unit please see below.

## Technical Data Elmasteam

Mains voltage (Vac)	230 - 240
Mains frequency (kHz)	50 / 60
Mains connection	1 phase grounded socket; USA grounded NEMA 6-15
Power consumption (W)	2950
Voltage at 115V/230V	25.6 / 12.8
Required mains fuse (A) at 115V/230V	30 / 16
Protection class	IP X3
Pressure in compressed air container (bar)	8
Volume compressed air container (l)	5
Max. filling volume (l)	4.5
Steam temperature at outlet (°C)	ca. 160
Unit outer dimensions incl. fixed nozzle and hand piece W/D/H (mm)	385 / 415 / 435
Weight including foot switch (kg)	21.4

## Technical Details Elmasonic

Mains voltage (Vac)	230 V
Power consumption total (W)	2000
Ultrasonic power effective (W)	2000
Ultrasonic peak power max. (W)	8000
Tank service dimensions W / D / H (mm)	620 / 520 / 300
Basket inside dimensions W / D / H (mm)	524 / 440 / 210
Drain	1"
Material tank	stainless steel V4A
Protection class	IP 23



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