

# **ULTRASONIC - CLEANER**

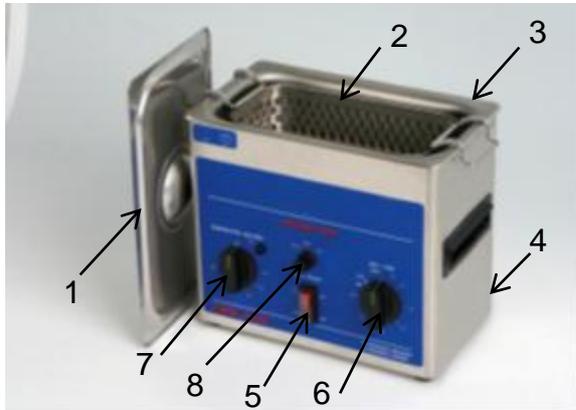
## **Emmi 20-30-40 HC with output controller**



### **Instruction Manual**

- 3 Levels-Ultrasonic-Controller
- Easy operation using only two push-buttons
- Adjustable heating from 35°C to 85°C
- Excellent cleaning with Fexonal<sup>®</sup> WBC 35 PU-Löser
- Standard sizes 2,0; 3,0; 4,0 and 6,0 litres
- Highly efficient
- Including basket and lid
- Ultrasonic cleaners are maintenance-free

## 1 Description



1. Lid
2. Basket
3. Stainless steel tank
4. Mains cable
5. ON/OFF
6. Digital timer
7. Temperature switch
8. 3 Levels-Ultrasonic-Controller

## 2 Technical Information

Characteristics		Emmi 30 HC
Length x Width x High	[mm]	265 x 165 x 240
Volume	[L]	2,0
Main source	[V]	230 V / 50 Hz
Classification		IP 20
Max. wattage	[W]	150
Ultrasonic transducers		2 (ca. 38kHz)

### 3 Important notes

The ultrasonic cleaner must only be operated with the main source voltage printed on the nameplate (rear of the casing). ( In earthed socket outlet.)

- Do not fill flammable chemical agents directly into the tank.
- Do not put your hands into the cleaning liquid during the process of ultrasonic cleaning.
- In the case of transport damages do not connect unit to power system.
- Do not use ultrasonic cleaner to clean animals or part of the human body (fingernails etc.)
- Do not remain in the immediate vicinity (1 m) for longer than 4 hours.
- If objects are heavily soiled, place them soiled side down into the liquid and do not stack them.
- The ultrasonic cleaner only must be operated with a sufficient amount of cleaner (**approximately three-quarter filling of the tank, i.e. approximately 1-2 cm measured from the upper rim of the tank**). It is absolutely normal that the upper rims of the tank warm up after a longer period of operation.

### 4 Operating Instruction

Fill tank with **Flexonal® WBC 35 PU-Löser** and plug mains plug into socket. By pressing of the mains switch the cleaning time is set; the temperature is adjusted with the help of the turning knob. Setting on continuous operation also is possible (counter-clockwise rotation). For reasons of safety, however, we do not recommend such procedure. The unit may run dry due to evaporation and thus get damaged. The cleaning time to be set depends on the degree of soiling of the objects you want to clean. If the pre-set cleaning cycle has been finished, the unit automatically terminates the cleaning process. Another turning of turning knobs will put the unit back into operation.

After the termination of the cleaning process remove the objects from the tank and rinse them shortly with water in order to remove remaining particles of dirt

After one or several cleaning sessions it is recommendable to pour the cleaner from the tank, rinse the tank and dry it with a rag. Make sure that no cleaner seeps through the air slots in the bottom of the casing into the unit.

## 5 Examples for ultrasonic cleaning of objects

- Mixing Head, Rotor needle, Steel handle, Clips, div. Aluminium parts and so on.

## 6 Recommended additives

You will get a optimal cleaning instance to etch the most plastics especially for polyurethane **Flexonal**<sup>®</sup> please use our special developed cleaner:

### **Flexonal**<sup>®</sup> WBC 35 PU-Löser

**By using our special cleaner please read the additional instruction!**

If cleaning additives by other manufacturers have been used we do not take any responsibility for the parts cleaned in ultrasonic cleaning bath. Please do not hesitate to contact us for more detailed information.



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