

UNISONICS

DATA AND SPECIFICATIONS

ULTRASONIC CLEANER MODEL FXP20MH

APPLICATIONS:

The Unisonics FX range is a single chamber device used to clean surgical instruments and other hardware with sonic energy in a heated water / detergent solution. It is designed for use in surgery reprocessing areas, central processing departments and laboratories.

FEATURES:

- All exterior surfaces are 4.5mm Palopaque.
- Pressed stainless steel tank.
- A single tank system with rounded corner reflex design.
- Thermostat controlled heater.
- Mechanical timer (30 minutes).
- 200 Watts of heat power.
- 600 Watts ultrasonic power.
- Polyester coated transducers to prevent moisture contamination and maintain high efficiency levels.
- Internal fitted basket.
- Sealing lid.
- Cooling fan
- Outlet drain.
- EMC tested and approved.

SONIC CLEANING CHAMBER:

Free Standing Cabinet

Overall Size	(External)	Length 530mm Width 325mm Height 300mm
Chamber Size	(Internal)	Length 495mm Width 295mm Depth 152mm
Basket Size		Length 450mm Width 250mm Height 110mm
Maximum Load		8kg
Chamber Volume		22 Litres
Operating Liquid capacity		17 Litres

APPROVALS:

AS/NZS3760:2001

AS3100-1994-Electrical Safety

Certificate of Conformity No:E990002-(C-Tick)

Certificate for inclusion of medical device-Class 1 (T.G.A.)

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CONSTRUCTION:

All exterior surfaces are 4.5m PVC.

The ultrasonic chamber is pressed from 304 stainless steel and is 1mm in thickness.

All integral plumbing is stainless steel.

One fan is located on the side of the unit to allow an efficient cross flow of cool air.

Basket is fabricated from stainless steel mesh and rod.

Sonic energy is provided to the chamber by piezoelectric transducers bonded to the tank bottom with a frequency of 40 kHz.

Maximum operating temperature should not exceed 60 degrees Celsius so as to maintain reliability and maximize efficiency.

Minimum operating depth should not be less than 80mm.

Power is supplied by solid-state circuitry, which is air-cooled.

CONTROLS:

A 30-minute mechanical timer control is located at the bottom front of the unit and should be set as per operating instructions.

A thermostat control to set temperature.

The mains plug / socket outlet is located on the right side of the unit.

One fan is located on the side to allow an efficient cross flow of cool air.

The unit should always be positioned to allow for plenty of circulation.

Care should always be taken to avoid excessive spillage of solution when draining fluid.

GENERAL CLEANING:

The turnover of solution must be determined by the user to satisfy acceptable cleaning results of the finished article.

The more the solution is contaminated the longer the cleaning process.

If the contamination is heavy and difficult to remove a pre-rinse in a heated bath could be sufficient enough to soften and loosen unwanted debris in preparation for the ultrasonic cleaning.

At the other end of the scale after the items have been removed it is essential that a final wash be preformed to remove any residue that remains on the cleaned parts.