

UNISONICS

DATA AND SPECIFICATIONS

ULTRASONIC CLEANER MODEL FXP12MH/2

APPLICATIONS:

The Unisonics FX range is a dual 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 3mm Palopaque.
- Pressed stainless steel tanks.
- A dual tank system with rounded corner reflex design.
- Thermostat controlled heater.
- Mechanical timer.
- 150 watts of ultrasonic power in each chamber.
- Polyester coated transducers to prevent moisture contamination and maintain high efficiency levels.
- Internal fitted baskets.
- Lids
- Outlet valves are located to the right hand side of the unit fitted with hose tail and tubing.
- EMC tested and approved.

SONIC CLEANING CHAMBER:

Free Standing Cabinet

Overall Size	(External)	Length 400mm Width 400mm Height 300mm
Chamber Size (each tank)	(Internal)	Length 295mm Width 152mm Depth 152mm
Maximum Load		5kg
Chamber Volume (each tank)		5.3 Litres
Operating Liquid capacity (each tank)		3.5 Litre

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 3mm PVC.

The ultrasonic chambers are stainless steel and are 1mm in thickness.

All integral plumbing is stainless steel.

Baskets are fabricated from stainless steel mesh and rod.

Sonic energy is provided to the chambers 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 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 at the rear of the unit which allows the operator to remove the connection when the cleaner is not in use.

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.