UNISONICS
DATA AND SPECIFICATIONS

ULTRASONIC CLEANER MODEL FXP4

APPLICATIONS:

The Unisonics FX range is a single chamber device used to clean Fine Jewellery, Technical Pens, Dentures, Small Machine Parts, Hobby Items, Optical Lenses and Frames.

FEATURES:

- All exterior surfaces are 3mm Palopaque.
- Pressed stainless steel tank.
- 50 watts of ultrasonic power.
- A single tank system with rounded corner reflex design.
- ON/OFF switch.
- Polyester coated transducers to prevent moisture. contamination and maintain high efficiency levels.
- EMC tested and approved.

SONIC CLEANING CHAMBER:

Free Standing Cabinet

Overall Size	(External)	Length 180mm Width 110mm Height 160mm
Chamber Size	(Internal)	Length 150mm Width 80mm Depth 70mm
Chamber Volume		840 ml
Operating Liquid capacity		600 ml

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 chamber is pressed from 304 stainless steel and is 1mm in thickness.
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 50mm.
Power is supplied by solid-state circuitry, which is air-cooled.

CONTROLS:

An ON/OFF control is located at the bottom front of the unit and should be set as per operating instructions.
The mains plug / socket outlet is located on the side 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.