

# UNISONICS

## DATA AND SPECIFICATIONS

### **ULTRASONIC CLEANER MODEL FXP16DH**

#### **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 3mm Palopaque.
- Pressed stainless steel tank.
- A single tank system with rounded corner reflex design.
- Digital timer.
- Thermostat controlled heater.
- 450 watts of 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 400mm Width 380mm Height 300mm
Chamber Size	(Internal)	Length 320mm Width 295mm Depth 152mm
Basket Size		Length 280mm Width 260mm Height 110mm
Maximum Load		10 kg
Chamber Volume		14 Litres
Operating Liquid capacity		11 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 3mm PVC.

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

All integral plumbing is stainless steel.

A valve-draining outlet is located on the front of the unit, away from electrical connections.

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.

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 performed to remove any residue that remains on the cleaned parts.

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