

Hilsonic Large Stainless Steel Heavy Duty Ultrasonic, Heated Cleaning Tank with Twin Sparge Jets.



Stock No	<a href="#">DF1613J</a>
Manufacturer	<a href="#">Hilsonic</a>
Model	IST 3780
Year of Manufacture	2014
Serial	24076
Condition	From a working environment, Excellent Condition, Current Model
Work Envelope (WxDxH mm)	1200 x 500 x 1150mm (690 Litres)
Process Stages	Single Stage plus Sparge Jets
Other Info	36 transducers 6 generators
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	500
External Dimensions (WxDxH mm)	1850 x 950 x 2330mm (Lid Open)

## Description

Hilsonic are a leading international suppliers of industrial Ultrasonic cleaning tanks.

- Hilsonic are acknowledged as leaders in the supply of ultrasonic cleaning equipment to the power generation and marine industries. Their systems are suitable for a variety of purposes within these sectors including the cleaning of heat exchangers, intercoolers, charged air filter elements and particle filters. In addition, their systems can also



be used for the cleaning of engine parts including pistons, valves, cylinder heads and engine blocks.

### Operating Principles

- The IST3780 generates electrical alternating currents at a frequency of 30Khz. This is applied to a ceramic transducers attached to the sides of the cleaning bath causing it to vibrate mechanically at the same frequency and so radiate sound waves throughout the liquid held in the bath.
- As the cleaning power developed in the liquid is high (20 to 50 watts per litre), millions of tiny bubbles constantly form and collapse in a process known as cavitation. The implosion of these bubbles loosens and removes dirt from the surfaces they come in contact with.

### Specification

- Constructed from 316 Stainless steel.
- 6 Ultrasonic generators.
- 36 Transducers.
- 2 Sparge Bars with 7 jets each.
- 9kW of heating power.
- Digital timer with on/off function.
- Digital temperature controller with on / off function
- Sparge pump with on / off function.
- Crest AM 50-TRV low maintenance Mag Drive pump, 100L/Min.
- Tank size 1200 x 500 x 1150mm (690 Litres)

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**