The Ultrasonic cleaning system ensures highly effective onboard cleaning of smaller engine parts featuring a surrounding transducer set-up, and individual cleaning baskets for superior cleaning.

**CUSTOMER ADVANTAGES**

- Saves Time & Money due to fast & efficient cleaning
- Environmentally friendly cleaning liquids compared to conventional chemical cleaning liquids
- Extends Lifetime of cleaned parts
- Patented energy frequency sweeping system to maximise ultrasonic efficiency.

**UNIQUE CHARACTERISTICS**

The Ultrasonic cleaning system offers a customized solution to the on-board cleaning requirements of the marine industry providing a two-tank set-up for diverse cleaning.

The external control panels allow for independent operation of the two tanks, thus enabling separate washing methods to suit both sturdy and fragile engine parts.

3 specially designed stainless steel work baskets are included for optimal cleaning and protection of smaller engine parts.

**KEY FEATURES**

**Generator**

The powerful generator system offers a patented frequency sweep for uniform and intense cavitation. With its efficient energy transfer the generator requires no forced air cooling and directs energy directly into the transducers.

**Transducers**

The transducers are made of high quality phosphor-bronze/silver construction in order to minimise heat build up, thus extending the life of the transducers and piezo electric crystals.
Technical Data

- OVERALL DIMENSIONS: 850 X 800 X 700 mm (LxWxH)
- INTERNAL DIMENSIONS 1: 650 X 400 X 350 mm (LxWxH)
- INTERNAL DIMENSIONS 2: 650 X 200 X 350 mm (LxWxH)
- ULTRASONIC POWER 1: 1200W Peak
- ULTRASONIC POWER 2: 600W Peak
- COVER MATERIAL: Patented stainless steel SUS304
- TANK MATERIAL 1: Stainless steel 2mm SUS316
- TANK MATERIAL 2: Stainless steel 2mm SUS316
- ULTRASONIC CONTROL 1: Adjustable Digital Timer
- ULTRASONIC FREQUENCY 30KHz
- HEATING 1: 1000 Watts
- HEAT CONTROL 1: Adjustable Digital Thermostat
- ELECTRICAL SUPPLY: 220V single phase

Cleaning system details

The stainless steel cleaning tanks are ultrasonically driven using 12 transducers in the larger tank and 6 transducers in the smaller tank generating ultrasound waves that vibrate the cleaning fluid at very high velocity, creating the cavitation process. Millions of tiny bubbles implode within the solution and penetrate into every orifice of the item being cleaning, removing dirt and grime within seconds.

The transducers are high quality produced to a unique patented design that minimizes cavitation erosion and provides high energy all round cleaning performance operating at a frequency of 30 kHz +/- 2. The system features unique ultrasound "bar" transducers opposed to "cone" transducers resulting in 50% greater contact area with the outside surface.

The larger tank is powered by an ultrasonic generator producing a total of 1.2 KW max. of ultrasonic cleaning power, while the small tank for fragile parts is powered by an ultrasonic generator producing total of 600 watts of cleaning power, both featuring a patented frequency sweep for uniform and intense cavitation.

Recommended accessories:

Oil Skimmer
External oil skimmer to assist with the removal of oil contamination from the system with integrated diaphragm pump and complete with flow and return ports.
By using the oil skimmer you obtain even better cleaning results.