Cleaning

Ultrasonic Cleaning System

CHRIS-MARINE®
UCS 1000/1500

A smart solution for cleaning of engine parts. The powerful generator system offers a patented frequency sweep for uniform and intense cavitation. Two versions available.



Product features

- Surrounding transducer set-up ensures high effectivity compared to submersible solutions
- The powerful generator system offers a patented frequency sweep for uniform and intense cavitation
- Transducers made of high quality phosphor-bronze/silver construction in order to minimise heat build up
- Environmentally friendly cleaning compared to conventional chemical cleaning liquids
- For cleaning of engine parts such as: valve spindles, fuel injectors, filters, cylinder heads, pistons etc.
- Oil skimmer available as option

CHRIS-MARINE®

UCS 1000/1500

Cleaning system details

The Ultrasonic 1000/1500 is electronically driven using 72/96 transducers 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.

Unique patented design

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

The system is powered by 6/8 parallel ultrasonic generators that produce a total of 7.2/12 KW max. of ultrasonic cleaning power and features a patented frequency sweep for uniform and intense cavitation.

Optional accessories:
Oil separator or Oil skimmer

External floor-mounted oil separator or external oil skimmer to assist with the removal of oil contamination from the system with integrated diaphragm pump and complete with flot and return ports.

By using the oil separator or the oil skimmer, you obtain even better cleaning results.



Ultrasonic Cleaning Chemicals:

Ultra Rinse Engine

A high alkaline detergent for the most challenging cleaning tasks. Ideal for cleaning steel, stainless steel and cast iron components that are highly exposed to heavy fuel oil or where removal of fuel, coke, soot or paint is needed.

Ultra Rinse Intercooler

A high alkaline product that is suitable for all types of metals including aluminum, titanium, brass and copper, thus enabling efficient cleaning of intercoolers and turbo parts.

Ultra Rinse Descale

An acidic liquid concentrate based on highly efficient surfactants and inhibitors. Used for the removal of lime scale as well as iron-, carbon- and oil carbon deposits from engine parts.

Technical specifications

	USC1000	USC1500
• External dimensions (LxWxH)	1300 x 1100 x 1200 mm	1700 x 1200 x 1200 mm
• Internal dimensions (LxWxH)	1000 x 1000 x 1000 mm	1500 x 1000 x 1000 mm
• Power supply	AC 380 - 415 V, 50/60 Hz, 3 ph	AC 380 - 415 V, 50/60 Hz, 3 ph
• Max load weight	1000 kg	1000 kg
• Tank capacity	760 litre	1350 litre
• Ultrasonic power (peak)	7200 W	9600 W
• Transducer setup	72 surrounding transducers	96 surrounding transducers
• Operating frequency	30 kHz +/-2	30 kHz +/-2

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