UCM 60000SL

Heat exchanger cleaning

Operating load capacity of 40 tons and can be equipped with an automatic turner

It has a cooling system to ensure the proper functioning of the generator.

The equipment has an ultrasound power ratio / litres of 4.5W/ making it the most powerful on the market

The ultrasonic generator is built on a 20-foot container for easy transportation, loading, and unloading.

Thanks to its powerful ultrasound system, the UCM 60000SL is capable of removing limescale, oxide, sediment, and grease deposits from heat exchanger tubes and plates, ensuring optimal equipment performance.

Technical characteristics

Ultrasonic power (W)	**270000**
Heating power (W)	**225000**
Tank capacity (liters)	**60000**
Interior dimensions LxWxH (mm)	**8815 x 2680 x 2400**
Usable dimensions LxWxH (mm)	**8715 x 2580 x 2250**
External dimensions LxWxH (mm)	**10945 x 3280 x 3086**
Maximum static load (kg)	**40000**

It is recommended to leave 100-150 mm of free space between the part and the tank walls for adequate ultrasonic diffusion.

DCM ultrasonic
C/ Massamagrell 26A
46138 Rafelbunyol (Valencia)
Info@dcmultrasonic.com || www.dcmultrasonic.com || Tel. (+34) 960263665

Advantages of the UCM 60000SL

1. Deep scale and residue removal
Thanks to its powerful ultrasonic system, the UCM 60000SL is capable of removing limescale, oxide, sediment, and grease deposits from heat exchanger tubes and plates, ensuring optimal equipment performance.

2. Uniform cleaning in hard-to-reach areas
Unlike traditional methods, ultrasonic cavitation acts throughout the entire volume of the cleaning fluid, reaching even the most complex areas without the need to completely disassemble the heat exchanger.

3. Reduction in cleaning time
Ultrasonic technology allows cleaning to be completed in much less time compared to manual or chemical methods, optimizing maintenance cycles and reducing downtime.

4. Water and chemical savings
The UCM 60000SL's ultrasonic system minimizes the use of water and harsh chemicals, reducing the environmental impact and operating costs, while improving the sustainability of the process.

DCM ultrasonic
C/ Massamagrell 26A
46138 Rafelbunyol (Valencia)
Info@dcmultrasonic.com || www.dcmultrasonic.com || Tel. (+34) 960263665

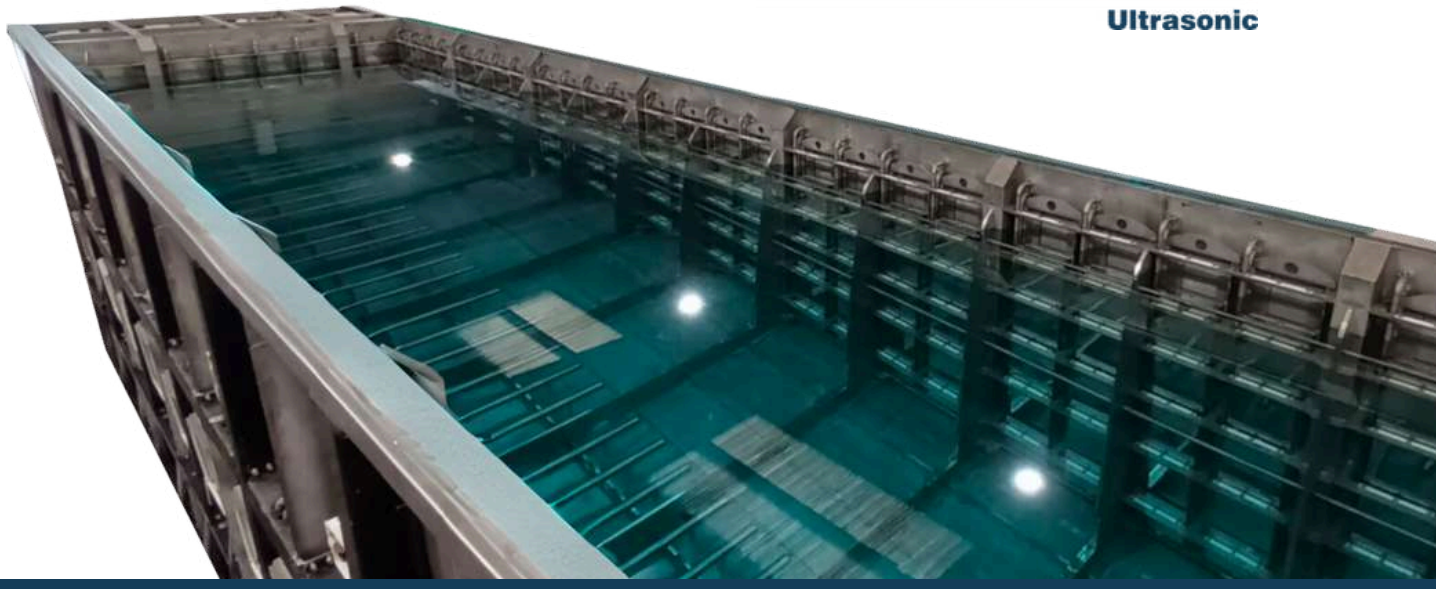
5. Protection of materials and surfaces
Mechanical methods can cause damage to heat exchangers. In contrast, ultrasonic cleaning removes contaminants without affecting the equipment's structure, prolonging its useful life.

6. Large-scale cleaning capacity
With a design optimized for large volumes, the UCM 60000SL can clean large heat exchangers in a single session, without compromising process efficiency.

7. Reduction in energy consumption
Thanks to its power and frequency optimization system, the machine reduces energy consumption without compromising cleaning quality, generating savings in operating costs.

8. Increased thermal efficiency of heat exchangers
A clean heat exchanger operates with greater thermal efficiency, reducing energy loss and optimizing heat exchange processes in industries such as the chemical, petrochemical, and food industries.

DCM
Ultrasonic



DCM ultrasonic
C/ Massamagrell 26A
46138 Rafelbunyol (Valencia)
Info@dcmultrasonic.com || www.dcmultrasonic.com || Tel. (+34) 960263665