



Heat Exchanger Large Industrial Ultrasonic Cleaning Machine Hard Debris Descaling

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: Sky men
- Certification: RoHS, CE, FCC, SGS
- Model Number: JTS-11920G
- Minimum Order Quantity: 1
- Price: 4,000USD / UNIT
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 800 pcs per month



Product Specification

- Usable Dimension: 20 Ft X 6.2 Ft (length X Width)
- Vessel Volume: 7753 Gallon
- Ultrasonic Power: 96 KW
- Heating Power: 60 KW
- Generator: 40pcs
- Oil Skimmer: Available
- Overflow Tank: Equipped
- Weight (KG): 18000 Kg
- Highlight: Large Industrial Ultrasonic Cleaning Machine, Sky men Industrial Ultrasonic Cleaning Machine, Descaling industrial ultrasonic cleaning equipment



More Images



Product Description

7 Meter Heat Exchanger Hard Debris Descaling Large Industrial Ultrasonic Cleaning Machine

Products Description

| Specifications of 6.5 mtrs heat exchanger ultrasonic cleaner | |
|--|---|
| Model name | JTS-11920GS |
| Working vessel Dimensions | 20 ft * 6.2 ft x 6.2 ft (LxWxH). |
| Cleaning vessel | cleaning vessel, length approx. 6.1 m. |
| Cleaning tank capacity | 7753 Gallon |
| Material | all-stainless steel 304. |
| Total ultrasonic energy | max. 96 kW |
| Ultrasonic generator | 40pcs, all installed on a shelf |
| Ultrasonic technology | electric control unit with climate control system |
| Transducer frequency | 28 kHz or 40 kHz |
| Ultrasonic transducer power | ultrasonic power 1920x50W = 96 kW. |
| Ultrasonic mode | 3 cleaning stages, at 100%, 80% and 60%, in this mode the transducer power will randomly be switched for approx. 20% or 40% of the transducers, in order to realize a quicker cleaning process. in this mode cleaning nonferrous metals, like aluminium (attention to the kind of applied detergent), copper and brass is also possible |
| Heater | 60 kW, electric. temperature approx. 20-95°C, in combination with ultrasonic power |
| Oil skimmer and separator | On behalf of removal of floating contaminants |
| Overflow tank | On behalf of maintaining the right liquid in cleaning vessel |
| Cover | for covering the cleaning tank top, hydraulically operated |
| Leveling | 8 manually adjustable legs for system leveling |
| Basket | on behalf of safe positioning of parts; max. permissible weight 15 tonnes |
| Catwalk | at the front and rear; incl. 2 stairs. |
| Control | by means of a PLC. |
| Power supply | 3 phase power |
| Shipment | designed for transport in a 40 ft container. |

Product Overview

Heat Exchanger Ultrasonic Cleaning Machine

Our specialized, ultrasonic vessels simply provide a better clean in less time!

Ultrasonic sound wave technology is by no means new - it is a tried and true process.

Skymen has simply developed it on an industrial scale - one where we provide custom vessels to clean a.o. heat exchangers of various sizes and scales.

Features at a Glance



Application for different items

1. Shell and tube heat exchanger
2. Hybrid heater exchanger
3. ASME heater exchanger
4. Double heater exchanger
5. Safety heater exchanger
6. Cooler-Heater Unit
7. Sea water Cooler-Heater Unit
8. Cooler-Heater Unit
9. In-tank heat exchanger
10. Bare tube heat exchanger
11. Exhaust gas recirculation
12. Gear box oil cooler-in-tank
13. Oil air cooler

Benefits

1. Easy control.
2. Suitable for 24/7 use
3. Economy of space
4. Minimal pollution for working place
5. No disassembly in transport
6. Transported in a 40ft container
7. Saving detergent
8. Saving water
9. Saving labor
10. Saving time
11. Thoroughly cleaning
12. Safety for workers
13. Friendly to environment

Unique selling points

1. (Waste) water savings
2. Higher cleaning level
3. Noise reduction
4. Cleaning speed
5. Safety level
6. Environmental aspects
7. Staff expenses savings
8. Energy savings
9. Maintenance costs savings
10. Minimal damage to items
11. With Oil skimmer and separator
12. With Overflow tank
13. With hydraulic lifting system

Details Images

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Characteristics

Ultrasonic activity operates on similar principles to sound waves. As electrical energy is transferred to mechanical energy, it causes positive and negative pressure waves that generate microscopic bubbles that form on all surfaces throughout the component being cleaned. But these are no ordinary bubbles. The air bubbles in the fluid in ultrasonic cleaning equipment implode when they come into contact with a solid surface. This effect is known as cavitation. When the air bubbles implode, a powerful jet of fluid is created which comes into contact with the surfaces of the objects being cleaned at extremely high pressures and temperatures. This dynamic effect separates contaminants from all surfaces without damaging the object in any way. These micro-jet shock waves, combined with special ultrasonic cleaning solvents, remove bitumen, heavy oils, fats lime scale deposits and other (chemical) waste products in refineries much faster and more thoroughly than conventional methods (high pressure, steam, mechanical and chemical cleaning).

Usage: The system is developed to generate a faster and higher cleaning level by means of ultrasonic power, in combination with specialized chemicals (degradable). Due to the microscopic level a perfect inner and outer penetration will be created.

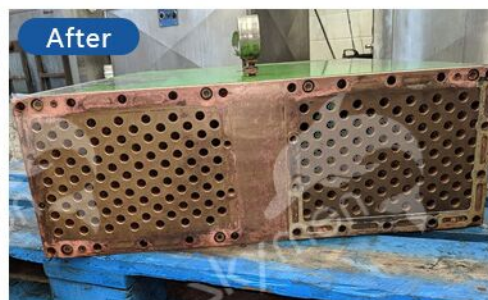
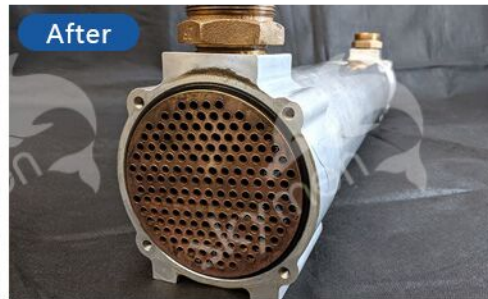
Application



Same Series Machine List

| Model No. | Usable dimensions | Ultrasonic power | Heater | Vessel volume |
|---|---------------------|------------------|--------|-----------------------|
| JTS-1800GS | 3.1 x 1.0 m (l x w) | 40 kW | 36 kW | 5,500L / 1453 Gallon |
| JTS-12240GS | 7.0 x 1.9 m (l x w) | 112 kW | 60 kW | 25,000L / 6604 Gallon |
| JTS-13200GS | 9.0 x 1.9 m (l x w) | 160 kW | 90 kW | 35,000L / 9246 Gallon |
| All dimensions' heat exchanger ultrasonic cleaning machine can be customized | | | | |

Cleaning Effect



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