



Environment Friendly Large Industrial Ultrasonic Cleaner 20 Ft X 6.2 Ft Saving Detergent

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SkyMen
- 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

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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: SkyMen large industrial ultrasonic cleaner,
20 Ft X 6.2 Ft large industrial ultrasonic cleaner,
Saving Detergent industrial ultrasonic washing
machine

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More Images

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Product Description

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

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.

Details Images



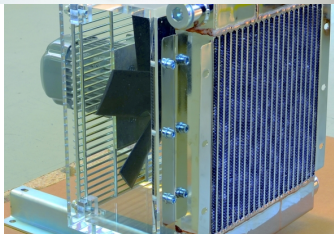
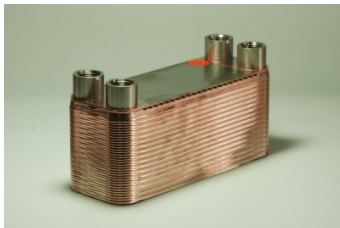
Characteristics

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 (lxw)	40 kW	36 kW	5,500L / 1453 Gallon
JTS-12240GS	7.0 x 1.9 m (lxw)	112 kW	60 kW	25,000L / 6604 Gallon
JTS-13200GS	9.0 x 1.9 m (lxw)	160 kW	90 kW	35,000L / 9246 Gallon
All dimensions' heat exchanger ultrasonic cleaning machine can be customized				

Cleaning Effect



Cooperated with CRRC in 2021

In April 2021, Skymen Group will join hands with CRRC again through third-party cooperation. This is the best proof of Skymen Group's strength. In fact, this is not the first time the two sides have cooperated. As early as 2017 to the present, during the period Skymen Group has provided CRRC with cleaning technology solutions and cleaning equipment for many times, and is grateful to CRRC for its recognition and trust. This time, we will provide cleaning needs of spare parts based on motor vehicle maintenance, such as: cleaning couplings, clamps, gearboxes, valve seats and other spare parts. A set of intelligently controlled automatic ultrasonic cleaning equipment was manufactured to meet the needs of CRRC's intelligent cleaning.

Cooperated with HITACHI in 2021

Skymen Group and Hitachi Group announced a strategic cooperation in 2021 to provide them with intelligent cleaning technology solutions for precision hardware, and help accelerate the production efficiency and cleaning needs of workpieces. During this period, Skymen cleaning technology was strongly recognized by Hitachi Group. Skymen believes that the promotion of intelligent cleaning equipment in China should be developed towards a broader space, and at the same time, it will also transform technology into realistic productivity and add new momentum to China's industrial economic upgrade.

Cooperated with Samsung in 2020

In 2020, Samsung Group and Skymen Group reached an in-depth strategic cooperation to provide them with intelligent cleaning technology solutions in the electronics industry, and to help accelerate the production efficiency and cleaning needs of workpieces; Now in 2021, Samsung Group will once again purchase a fully automatic ultrasonic cleaning line equipment with Skymen Group, marking that Skymen Group's technical strength has once again been recognized by Samsung Group. In this cooperation, Skymen believes that China's intelligent cleaning equipment should be developed towards a broader space, and at the same time, technology will be transformed into realistic productivity, adding new momentum to China's industrial economic upgrade.



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