Industrial Ultrasonic Cleaner 23.4kw 28kHz Stainless Steel Tank

Our Product Introduction

Basic Information

- Certification: CE, RoHS
- Minimum Order Quantity: 1
- Price: 31000

Product Specification

- Model NO.: JTS-1468
- Automation: Semi-automatic
- Cleaning Precision: General Industrial Cleaning
- Control: Manual
- Material: Stainless Steel
- Transducer Head: 468PCS
- Ultrasonic Power: 23.4kw
- Ultrasonic Frequency: 28kHz
- Voltage: AC 110V/220V/240V
- Tank Wall: 3mm Thickness Stainless Steel
- Heat Power: 30kw
- Tank Capacity: 4000 L
- Timer: 1~99min Adjustable
- Heater: 20°C To 95°C Adjustable
- Machine Voltage: AC 220V/380V, 3phases

More Images

Large Ultrasonic Heat Exchanger Bath Cleaning Equipment Tank Size 2X1.5X1.5m

Heat Exchangers Ultrasonic Cleaning

Due to the difficulties of reaching inner areas during cleaning, heat exchangers cannot be efficiently cleaned with traditional methods (blasting, brushing, etc). Our ACM Series combines chemical, heat, agitation and ultrasonic power to successfully remove industrial scale, calcium buildup, varnishes, corrosion and other deposits from tubes, crevices, blind bolt holes and other cavities.

The results are excellent - exchangers are descaled without damage to components, just as we descale valves, manifolds, housings, pipework, condensers and other parts. For optimal performance, tubes should not be completely blocked to allow ultrasonic cavitation bubbles to reach all areas. We recommend cleaning heat exchangers with high-powered ultrasonic equipment before complete blockage occurs.

Ultrasonic cleaning is significantly faster than traditional methods, taking only 4-8 hours to thoroughly clean both interior and exterior surfaces

Substantially reduces water waste compared to high-pressure water blasting, while being safer and more efficient for operators

We provide customized tanks with low frequency technology and tailored chemicals for specific applications. For smaller needs, we offer multi-stage/multi-tank machines to improve efficiency with additional processes like rinsing, passivation and drying after ultrasonic cleaning.

Technical Specifications

Model	JTS-1468
Ultrasonic Frequency	28kHz (or 40kHz)
Tank Material	SUS304/SUS316, Stainless Steel 3mm thick, 3mm Wall
Basket Material	SUS304/SUS316
Shell Material	Stainless steel
Tank Capacity	4000 L
Timer	1~99min adjustable
Heater	20°C to 95°C adjustable
Machine Voltage	AC 220V/380V, 3phases
Generator Voltage	AC 110V/220V, 1phase
Ultrasonic Power	23.4KW
Generator	13 unit generators
Heating Power	30KW
Feature	With casters with brake
Drain Valve	Ball valve
Optional	Oil filter system
Tank Size	200*150*150cm (L x W x H)
Unit Size	300*200*180cm (L x W x H)
Package Size	Wooden case 3.5*2.3*2m
N.W. / G.W.	900kg /1000 kg
Warranty	1 year

Ultrasonic Cleaning Principle

The ultrasonic cleaner uses transducers to generate sound waves at 28KHz or 40KHz frequencies. As these waves travel through the liquid, millions of microscopic bubbles form and burst continuously in a process called cavitation. This effect scrubs all surfaces the liquid can penetrate, thoroughly cleaning intricate areas and difficult-to-access surfaces without damaging the components.

Key Components

Ultrasonic generator: Output frequency of 28KHz (28/68/80/120/132KHz available for customized models). Features sweep function and compensation circuit with strong anti-interference capability and high frequency precision.

Transducer: Converts electrical power into high-fidelity mechanical vibration energy with broad frequency band, high power and stability.

Heating system: Automatic constant temperature control with heating panel, digital timer and temperature switch.

Timer: Adjustable from 1-99 hours as required.

Temperature control: Adjustable from 20°C to 95°C.

Ultrasonic Control Features

Ultrasonic tank equipped with 28kHz 468 transducers

30 KW heating capacity