Industrial ultrasonic cleaner with digital heating and timer ultrasonic power adjustable

Our Product Introduction

for more products please visit us on skymenultrasonic.com

Basic Information

- Place of Origin: China
- Brand Name: SKYMEN / OEM
- Certification: CE/REACH
- Model Number: JP-120ST
- Minimum Order Quantity: 1 unit
- Price: Negotiation
- Packaging Details: wooden case
- Delivery Time: In Stock
- Payment Terms: L/C, T/T,paypal
- Supply Ability: 500 units per week

Product Specification

- Model: JP-120ST
- Material: SUS 304/316
- Frequency: 40KHz / 28KHz
- Tank Capacity: 38L
- Tank Size: 500*300*250 Mm
- Transducer: 12pcs
- Ultrasonic Power: 600W
- Heating Power: 1500W
- Timer: 1-99 Minutes Adjustable
- Heater: 20~95C Adjustable
- Highlight: **automotive ultrasonic cleaner**, **ultrasonic cleaning device**

Product Description

40~1000 Liter Degreasing and Derusting Industrial Ultrasonic Cleaning Machine with Heater

Power amplifiers can take many forms, such as tube A amplifiers, A and B amplifiers; transistor A or B amplifiers (both are analog): transistor switching amplifiers, etc. The power generally ranges from 50W to 5000W, which is generated by signals The frequency signal generated by the transducer needs to undergo impedance matching after passing through the power amplifier, so that the output impedance matches the transducer, and the transducer is pushed to convert the electrical signal into a machine.

Mechanical vibration.

A relatively complete ultrasonic generator should also have a feedback link, which mainly provides feedback signals in two aspects: the first is to provide an output power signal. We know that when the power supply (voltage) of the generator changes. The output power of the generator It will also change. At this time, the mechanical vibration is reflected on the transducer, which causes the cleaning effect to be unstable. Therefore, it is necessary to stabilize the output power. Adjust the power amplifier accordingly through the power feedback signal to make the power amplification stable.

Specificatoin:

Model	JP-120ST
Frequency	40KHz / 28KHz
Housing material	SUS304
Tank material	SUS304 / 316
Transducer	12pcs
Ultrasonic power	600W (12pcs transducers)
Heating power	1500W
Tank capacity	38L
Water inlet / outlet	Yes
Timer	Digital 1-99 min adjustable
Heater	0~80°C
Voltage	AC 100~120V, 60Hz AC 220~240V, 50Hz
Tank size	500*300*250 mm
Unit size	735*500*695 mm
Packing size	Wooden case
N.W.	65 Kg
G.W.	70 Kg
Certificate	ISO9001:2008|CE & REACH

From 10 galles to 200 gallons ,size could be customized

Features:

Fully insulated stainless steel tank construction;
Digital LED screen show temp and time, easy to use;
Adjustable built-in heat to improve the cleaning effectiveness;
Stainless steel lid help to reduce the noise;

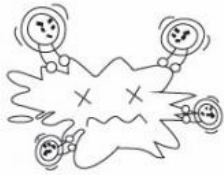**The whole set machine including:**

1* cleaning machine
1* lid
1* basket

Similar models with different tank volume:

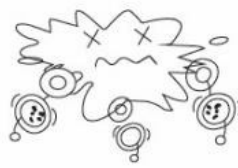| Model	Tank size	Volume	Ultrasonic Power	Heating Power	Transducer
	L*W*H (mm)	(L)	(W)	(W)	(pcs)
JP-120ST	**500X300X250**	**38L**	**600W**	**1500W**	**12pcs**
JP-180ST	500X350X300	53L	900W	1500W	18pcs
JP-240ST	550X400X350	77L	1200W	3000W	24pcs
JP-300ST	550X450X400	99L	1500W	4500W	30pcs
JP-301ST	800X300X400	96L	1500W	4500W	30pcs
JP-360ST	600X500X450	135L	1800W	4500W	36pcs
JP-480ST	700X500X500	175L	2400W	6000W	48pcs
JP-600ST	800X600X550	246L	3000W	6000W	60pcs
JP-720ST	1000X600X600	360L	3600W	9000W	72pcs
JP-1108ST	1000X900X600	540L	5400W	18000W	108pcs
JP-1144ST	1200X1000X800	960L	7200W	27000W	144pcs

How does Ultrasonic Cleaner work?

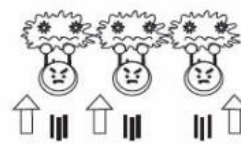## DIRT ELIMINATION PROCESS THROUGH ULTRASONIC TECHNOLOGY

- **Cleaning effect will be much better if using the machine together with proper solvent.**

As ultrasonic wave through the solution in the tank, cause alternating high and low pressures in the solution.

During the low pressure stage, millions of microscopic bubbles form and grow. This process is called "CAVITATION".

During the high pressure stage, the bubbles implode releasing enormous amounts of energy. They work in all directions, attacking surface and invading all recesses and openings.

Cleaning effect contrast: