



## SUS304 Tank Ultrasonic Cleaning Machine Removing Debris For Hydraulic Valve Components

### Our Product Introduction

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#### Basic Information

- Place of Origin: Shenzhen, China
- Brand Name: SkyMen
- Certification: RoHS, CE, FCC, SGS
- Model Number: JTM-3120GH
- Minimum Order Quantity: 1
- Price: 8000USD / UNIT
- Packaging Details: Wooden case
- Delivery Time: In Stock
- Payment Terms: T/T
- Supply Ability: 800 pcs per month



#### Product Specification

- Tank Dimension: 32 X 24 X 22 Inch
- Vessel Volume: 70 Gallon
- Ultrasonic Power: 3000W X 2
- Heating Power: 6000W X 3
- Generator: Inside Machine
- 1st Tank: Ultrasonic Cleaning
- 2nd Tank: Ultrasonic Rinsing/water Sprary
- 3rd Tank: Hot Air Drying
- Highlight: **264L Ultrasonic cleaning machine, Hydraulic Valve Ultrasonic cleaning machine, SUS304 stainless steel ultrasonic cleaner**



## Product Description

hydraulic valve components Ultrasonic cleaning machine removing debris

### Display Chart

Simple Operation Panel Equipped With Inlet And Drainage Valves



#### Product Overview

Hydraulic Valve cleaning process by Skymen 3 tank ultrasonic cleaner

For the dirt that is firmly pasted in the hydraulic valve, it should not be scratched when cleaning. When choosing a cleaning fluid, pay attention to its corrosiveness to avoid corrosion to the valve body. The cleaned parts should be kept carefully to avoid rust or recontamination. Skymen recommends using three tanks and three processes to complete the valve cleaning 1. The first process is ultrasonic cleaning. Chemicals can be added to the liquid to cooperate with ultrasonic cleaning. This process can remove most of the oil and dirt, including blind holes and gaps. 2. It is recommended to use high-pressure water spraying in the second process. After the first process is completed, move the valve to the spray tank and use high-pressure water for all-round spraying. This process can further clean 3. 3. The dirt on the valve and remove the residue. of chemicals. The third process is hot air drying, which can quickly dry the liquid remaining on the valve to avoid secondary pollution and rust

#### Features at a Glance

Application for all kinds of values

1. Slide valve
2. Shut-off valve
3. Butterfly valve
4. Ball valve
5. Plug valve
6. Check valve
7. Trap valve
8. Pressure reducing valve
9. Safety valve

10. Throttle valve
11. Relief valve
12. Balance valve
13. Shuttle valve

#### Benefits

1. Easy control.
2. Long life span
3. Economy of space
4. Minimal pollution for working place
5. No disassembly in transport
6. Fast cleaning
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 Hydraulic Ultrasonic Cleaner	
1st tank specification	
Function	Ultrasonic cleaning + Filtration cycle system
Ultrasonic Frequency	28kHz
Tank Material	SUS 304
Inner tank dimension	32 x 24 x 22 inch / 800 x 600 x 550mm
Tank Capacity	70 Gallon / 264L
Transducer	60pcs
Ultrasonic Power	3000W
Heating Power	6000W
Time setting of Ultrasonic	0~99 hours
Temperature setting	Room temperature ~ 95°C adjustable
Generator	2 sets
Filtration cycle system	1 set, with water pump, overflow tank, filter element
2nd tank specification	

Function	Ultrasonic cleaning
Ultrasonic Frequency	28kHz
Tank Material	SUS 304
Inner tank dimension	32 x 24 x 22 inch / 800 x 600 x 550mm
Tank Capacity	70 Gallon / 264L
Transducer	60pcs
Ultrasonic Power	3000W
Heating Power	6000W
Time setting of Ultrasonic	0~99 hours
Temperature setting	Room temperature ~ 95°C adjustable
Generator	1 set
<b>3rd tank specification</b>	
Function	Hot air drying tank
Inner tank dimension	32 x 24 x 22 inch / 800 x 600 x 550mm
Turbines power	3000W
Dryer power	6000W
Temperature setting	20~150°C adjustable
<b>General</b>	
Power supply	3 phase power, 380V/50Hz; 220V/60Hz
Gross weight(no lifting)	500KG
Gross weight(with lifting)	750KG
Overall size(no lifting)	3000 x 1600 x 1000mm
Overall size(with lifting)	4000 x 1600 x 1700mm
Production time	25 working days

## Details Images

### Product Details

**01**  
**Operation Panel**  
one-button start  
easy and convenient

**02**  
**Stainless Steel Housing**  
good corrosion  
and heat resistance.

### INDUSTRIAL TRANSDUCER

Stronger vibration, stable output, good durability with powerful cleaning effect.

**Good load-bearing effect**  
More Support Chip  
In Inner Tank  
Better Bearing Load

**Cleaning basket**  
Stainless Steel Cleaning  
Basket

### HEATING FUNCTION

You can adjust the heating water temperature up to 95°C. It's efficient to remove oil and wax

Built-in heating board

Suitable cleaning agent can be added for different cleaning objects

## 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

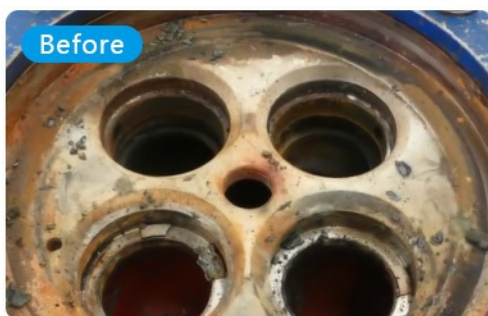


## Same Series Machine List

Model No.	Inner Tank Dimension	Tank Volume	Ultrasonic Power	Heating Power
JTM-3024GH	20 x 12 x 10 inch	10 Gallon	600W x 2	1500W x 3
JTM-3036GH	20 x 14 x 12 inch	14 Gallon	900W x 2	1500Wx 3
JTM-3048GH	22 x 16 x 14 inch	20 Gallon	1200W x 2	3000Wx 3
JTM-3060GH	22 x 18 x 16 inch	25 Gallon	1500W x 2	3000Wx 3
JTM-3072GH	24 x 20 x 18 inch	36 Gallon	1800W x 2	4500Wx 3
JTM-3096GH	28 x 20 x 20 inch	46 Gallon	2400W x 2	6000Wx 3
JTM-3120GH	32 x 24 x 22 inch	70 Gallon	3000W x 2	6000Wx 3
JTM-3144GH	39 x 24 x 24 inch	95 Gallon	3600W x 2	9000Wx 3
JTM-3216GH	39 x 35 x 24 inch	143 Gallon	5400W x 2	18000Wx 3
JTM-3288GH	47 x 39 x 32 inch	254 Gallon	7200W x 2	24000Wx 3
Other inner tank size and tank capacity can be customized				

## Cleaning Effect





Cooperation Case



Partner CRRC

Industry Rail

Parts Couplings Clamps Gearbox Valve Seats



#### 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.



Partner HITACHI

Industry Equipment

Parts Precision Hardware



#### Cooperated with HITACHI in 2021

Skyman 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.



Partner Samsung

Industry electronic industry

Parts Optical glass, mobile phone case, etc.



#### 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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