

## 53L Ultrasonic Circulating Filtration System Cleaner for Medical/Electronic Components Cleaning

Our Product Introduction

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### Basic Information

- Certification: CE, RoHS, ISO9001
- Minimum Order Quantity: 1
- Price: 1500



### Product Specification

- Model NO.: JP-180G
- Tank Size: 500\*350\*300mm
- Capacity: 53L
- Timer: 1-99hours
- Optional Frequency: 40kHz/28kHz
- Transducer: 12
- Ultrasonic Power: 900W
- Heating Power: 1500W
- Material: Stainless Steel SUS304/SUS316
- Net Weight: 120kg
- Gross Weight: 130kg
- Heater: 20-95 Adjustable
- Machine Voltage: 380V 3 Phase
- Generator Voltage: AC 110V/220V
- Unit Size: 800\*1050\*800mm



### More Images



## Product Description

### 53L Ultrasonic Circulating Filtration System Cleaner

Professional cleaning system for medical devices, electronic components, and industrial parts with advanced ultrasonic technology and filtration capabilities.

### Product Specifications

Model No.	JP-180G
Ultrasonic Frequency	28,000 Hz/40,000Hz optional, or dual frequency
Material	Stainless Steel SUS304
Tank Capacity	53 L
Timer	1~99 hours adjustable
Heater	20°C to 95°C adjustable
Machine Voltage	380V 3 phase
Generator Voltage	AC 110V/220V
Ultrasonic Power	0-900W
Heating Power	1500 W
Generator	1 set
Washing Basket	1 pc
Caster	4 pcs
Drainage	Included
Cover	Included
Oil Skimmer	Attached tank, pump

### Packaging Details

Tank Size	500×350×300mm (L×W×H)
Unit Size	800×1050×800mm (L×W×H)
Package Size	900×1150×950mm (L×W×H)
Net Weight/Gross Weight	110kg/120kg
Warranty	1 year

### Key Features

- Stainless steel SUS304 construction for durability and long service life
- Power adjustable with clockwise control, LED display for timer and heater settings
- Includes stainless steel washing basket and lid
- Ultrasonic cleaning solutions penetrate oils, residues, solvents, pastes, chemicals and other contaminants
- Effective cleaning in crevasses and internal bores
- Industrial control chip microcontroller with flexible circuit boards for secure and stable operation
- Independent PCB board research and development by Skymen
- Compatible with tap water, industrial alcohol, and solvent cleaners
- Includes drainage, basket, lid, and multi-direction castors
- Fast delivery with large stock availability

### Applications

#### Industrial Applications

Industry instruments, hardware instruments, scientific laboratories, automotive parts, motors, machine tools, etc.

### Specific Application Areas

**Scientific Labs:** Eyeglass frames, lab glassware, optical & contact lenses, pipettes, scientific instruments, test tubes

**Industrial Manufacturing:** Assemblies, gears, metal & plastic parts, precision bearings

**Electronic Manufacturing:** Capacitors, ceramic substrates, PC boards, packaging components, quartz crystals

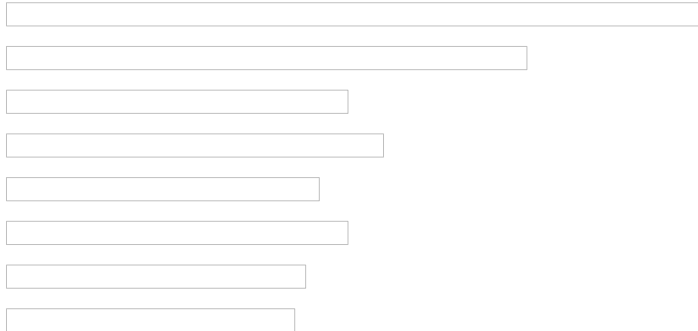
**Medical and Dental Lab:** Burs, blood oxygenators, dental instruments, syringe parts, surgical instruments

**Jewelry Manufacturing:** Chains, charms, coins, intricate settings, precious metals & gemstones, watches

### Certifications

CE, ROHS, FCC, ISO9001:2008

### Product Images



### How Ultrasonic Cleaning Works

Electrical energy is converted into mechanical vibrations through specialized transducers. These vibrations are transferred into the fluid through the stainless steel walls, creating microscopic vacuum bubbles that cause consecutive implosions (cavitation). The high-energy jets created effectively remove dirt from surfaces and materials placed in the cleaning bath.

### Benefits of Filtration Cycle System

The circulation filtration system effectively reduces cleaning costs by minimizing solvent and detergent usage, greatly reducing wastewater discharge, and achieving sustainable recycling of cleaning water. This environmentally friendly approach maintains cleaning efficiency while lowering operational costs.

### Frequently Asked Questions

#### What automotive parts can be cleaned?

Resistors, capacitors, potentiometers, electronic tubes, radiators, electromechanical components, connectors, semiconductor discrete devices, electro-acoustic devices, laser devices, electronic display devices, optoelectronic devices, sensors, power supplies, switches, micro motors.

#### Advantages of Ultrasonic Cleaners

- Convenient and time-saving, reducing manpower requirements
- Electric drive with no gas generation, environmentally friendly design
- Multiple safety devices and advanced technology
- High efficiency cleaning without damaging components
- Independent technology research and development team
- Factory direct pricing with quality assurance

#### How to Choose Frequency for Medical Components

28 kHz (with  $\pm 2\%$  sweep system) is most effective for cleaning components in described sectors, achieving optimal cleaning without damaging soft materials like aluminum, magnesium, and brass. For specific requirements, 40 kHz (sweep system  $\pm 2\%$ ) may be recommended.

#### Installation and Training

We provide theoretical and practical training for equipment operators to standardize operations and maximize equipment production efficiency.

### Company Profile

Skymen - Professional manufacturer of ultrasonic cleaning systems with independent research and development capabilities.





**SkyMen Technology Corporation Limited**



+86 13528763370



sales3@skymen.cc



skymenultrasonic.com