

# 300W SUS Ultrasonic Immersible Transducer 40Khz For Injector Carbon Deposit

### **Basic Information**

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:
- CE ROHS FCC SGS JP-1006I 1 unit USD390~450 / SET 1 unit per carton / wooden case In Stock T/T

8000 pcs per month

China

Skymen

Flexible Installation Make side vibration, bottom vibration and top vibration as required

## **Product Specification**

- Transducer Box:
- Wire Methods:
- Material:
- Fix Point:
- Flange:
- Suitable Tank Volume:
- Highlight:
- 305X205X100mm Rigid/flexible Tube SUS304/SUS316 Available
- Available 10~15L
- 300W SUS Ultrasonic Immersible Transducer, Injector Carbon Deposit Immersible Transducer, Flexible Tube Industrial Ultrasonic Transdu



#### **Product Description**

#### 300W Ultrasonic Immersibles For Injector carbon deposit Cleaning of Car with Generator

Advantages: More convenient for operation Stainless steel tank has resistance to wear and long work life. Can be moved to any tank Controlled by generator Lower cost than ultrasonic machine, same ultrasonic as ultrasonic power Lower shipping cost than ultrasonic machine All the box can be put in water to working directly, customer needs to weld tank by himself. Specification: Model JP-1006I Transducer 6pcs Ultrasonic power 300W Ultrasonic frequency 28/40Khz 305\*205\*100mm Ultrasonic box size (L\*W\*H) Box weight 8KG Wiring out methods of box Rigid or hose Fixed point on box Available Flange to hang up on the tank Available wall Make according to your drawing Available Generator 1 set Generator weight 7KG Generator size 370\*280\*150 Packing way Packed by plywood case

Available

Available

#### Other size for your choice:

Double frequency

Sweeping frequency

Model	Box size(mm)	Transduce r	Ultrasonic Power(W)	Frequency(KHz )	Wire Method
JP-1006I	305*205*100	6pcs	300	28/40	Rigid tube/hose
JP-1012I	355*305*100	12pcs	600	28/40	Rigid tube/hose
JP-1018I	340*280*100	18pcs	900	28/40	Rigid tube/hose
JP-1024I	430*280*100	24pcs	1200	28/40	Rigid tube/hose
JP-1030I	460*370*100	30pcs	1500	28/40	Rigid tube/hose
JP-1036I	550*450*100	36pcs	1800	28/40	Rigid tube/hose
JP-1048I	600*450*100	48pcs	2400	28/40	Rigid tube/hose
JTS-1030I	500*300*100	30pcs	1500	28/40	Rigid tube/hose
JTS-1030I	600*250*100	30pcs	1500	28/40	Rigid tube/hose
JTS-1036I	600*400*100	36pcs	1800	28/40	Rigid tube/hose
JTS-1036I	700*400*100	36pcs	1800	28/40	Rigid tube/hose
JTS-1036I	800*350*100	36pcs	1800	28/40	Rigid tube/hose
JTS-1036I	900*300*100	36pcs	1800	28/40	Rigid tube/hose
JTS-1036I	1000*300*100	36pcs	1800	28/40	Rigid tube/hose
JTS-1048I	700*500*100	48pcs	2400	28/40	Rigid tube/hose
JTS-1048I	800*500*100	48pcs	2400	28/40	Rigid tube/hose
JTS-1048I	900*400*100	48pcs	2400	28/40	Rigid tube/hose
JTS-1048I	1000*400*100	48pcs	2400	28/40	Rigid tube/hose

**Our Product Introduction** 

JTS	6-1048I	1100*350*100	48pcs	2400	28/40	Rigid tube/hose
JTS	S-1048I	1200*300*100	48pcs	2400	28/40	Rigid tube/hose

Actual usage scenarios

# **Products Real Shot**



Skymen submersible ultrasonic transducer pack



Raw Material



O Skymen Ultrasonic Wiring





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#### Board Cutting



#### G Transducer Ways





Skymen packing

Product Process

O Transducer Installing

**O** Qualtiy Inspection

Application: Ultrasonic extraction

Ultrasonic extraction uses the strong cavitation effect, mechanical vibration, disturbance effect, high acceleration,

emulsification, diffusion, crushing and stirring effects produced by the ultrasonic radiation pressure to increase the frequency and speed of the molecular motion of the substance, and increase the solvent penetration. Throughput, so as to accelerate the entry of the target component into the solvent, and promote the extraction principle

Ultrasound is an elastic mechanical vibration wave, which is essentially different from electromagnetic waves. Because electromagnetic waves propagate in vacuum, and ultrasonic waves must propagate in the medium. When passing through the medium, the whole process of expansion and compression is formed.

In the liquid, the expansion process creates negative pressure. If the ultrasonic energy is strong enough, the expansion process will generate bubbles in the liquid or tear the liquid into small cavities. These cavities are closed instantaneously, and an instantaneous pressure of up to 3000 MPa is generated when they are closed, which is called cavitation, and the whole process is completed within 400 µs.

Cavitation refines substances and makes emulsions, accelerates the entry of target components into the solvent, and improves the extraction rate. In addition to cavitation, many secondary effects of ultrasound are also conducive to the transfer and extraction of target components.

The above-mentioned effects of ultrasound are very effective in extracting various target components from different types of samples.

The application of ultrasonic waves, the high temperature and high pressure generated on the contact surface of the organic solvent and the solid substrate, together with the oxidation energy of radicals generated by ultrasonic decomposition, provides high extraction energy.

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