

Introduction

Ultrasonic cleaning system UCH (thereinafter as cleaner) is intended for cleaning of objects in near ultrasonic field with high deviation.

This kind of cleaning is characterized with high cleaning efficiency and low cleaning liquid consumption. It is mostly sufficient to cover the surface to be cleaned with small amount of cleaning liquid or just sprinkle it. Because of these properties this cleaner is suitable for cleaning serigraphy templates or templates used to apply soldering paste or glue on printed circuit boards.

The cleaner is not intended for any contact with living organisms or objects, which can be damaged as a result of intense ultrasonic field.

Do not use flammable and aggressive to aluminium liquids as cleaning mediums.

Applications

- various screens
- serigraphy templates
- templates for application of soldering paste
- cleaning of objects that can not be immersed into cleaning tank (container bottoms, flat surfaces of larger objects, etc.)
- and other



Hand-operated cleaner RCN1



Detail of ultrasonic tool

Technical parameters

Ultrasonic hand-operated cleaner RCN1

Operating frequency	40 kHz \pm 200 Hz
Transducer power	max. 250 W
Protection of ultrasonic cleaner	IP 67
Weight of ultrasonic cleaner	cca 1,5 kg
Dimensions	230 \times 200 \times 90 mm

Ultrasonic generator UG1000.01/40

Supply voltage	230 V \pm 10 % / 50 Hz
Operating frequency	40 kHz \pm 200 Hz
Protection	IP 20
Max. input power	500 VA
Operating temperature	10 °C to 45 °C
Dimensions (l \times w \times h)	280 \times 400 \times 90 mm
Weight	6 kg
Engineered according to norm	EN 60204-1, EN 61000-6-2, EN 61000-6-3

When using the ultrasonic hand-operated cleaner, the operating personnel is required to observe the safety and hygienic regulations specified by the manufacturer of currently used cleaning liquid, eventually impurities being removed. It is forbidden to use flammable cleaning liquids (with flash point lower than 250 °C).

It is forbidden to touch the ultrasonic tool when the generator is switched on. There is a risk of burn injury as a result of radiated ultrasonic energy.

Ultrasonic generator must be placed on such location, that prevents leaking in of cleaning liquid or any other liquid including small particles diffused around the ultrasonic tool during operation.

It is forbidden to use any damaged cleaning device. It is also prohibited to interfere with cleaning device in any way except for prospective exchange of cleaning tool. Use cleaning tools recommended by manufacturer only.

The manufacturer is not liable for damages caused by improper usage, or usage of the device for other purposes than originally intended.



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