

GUYSON UCR Ultrasonic Clean and Rinse

Guyson's Kerry UCR aqueous ultrasonic clean and rinse systems provide a heated ultrasonic cleaning tank, an immersion rinse tank weiring to drain, and a hand held spray for final rinse.

Ultrasonic transducers bonded to the tank base provide high performance and reliability together with uniform distribution of the ultrasonic energy. The frequency is tuned to the individual tank/transducer combination and then optimised under normal usage conditions with frequency sweep and fully automatic tuning.

- Guyson ultrasonic generators for powerful cleaning and long equipment life
- Robust construction with 316L polished stainless steel tank for durability
- Thermostatically controlled solution heating from 20°C to 80°C
- Digital panel for precise control and display of sonics time and solution temperature
- Option of generator control with dual frequency for special applications
- Standard UCR systems normally operate between 34 kHz and 40 kHz
- Options include: lid, basket, raising stand, level sensor, pumped filtration, heating to the immersion rinse, and deionised water spray rinse

DUAL FREQUENCY OPTION

Generators with dual frequency controls, switchable between 36 kHz and 66 kHz, are also available if required.

The higher frequency allows sensitive or difficult parts - such as very fine precision components, intricately shaped parts or fine tubing - to be cleaned both safely and effectively. These can also provide variable power control, and will store a variety of cleaning programs in memory for automatic operation when required.



FM 38758
ISO 9001:2008

UCR TANK RANGE



UCR TANKS - TECHNICAL DATA

	UCR300	UCR450	UCR525	UCR1500
Overall - length (front to back)	560 mm	656 mm	735 mm	860 mm
Overall - width (left to right)	910 mm	1060 mm	1260 mm	1340 mm
Overall - height	630 mm	675 mm	675 mm	876 mm
Tank (internal) - length (front to back)	350 mm	446 mm	525 mm	650 mm
Tank (internal) - width (left to right)	250 mm	325 mm	415 mm	450 mm
Effective capacity (litres - min/max)	17.5/21.8	36.2/43.4	59.9/70.8	117/131.6
Basket (internal) - length (front to back)	290 mm	390 mm	465 mm	590 mm
Basket (internal) - width (left to right)	180 mm	250 mm	340 mm	370 mm
Liquid depth to base of tank (min/max)	200/250 mm	250/300 mm	275/325 mm	400/450 mm
Working depth of fluid to fill line	210 mm	260 mm	260 mm	410 mm
Generators (std models only)	1 x M300	2 x M300	3 x M300	4 x M300
Operating frequency	← Between 34 kHz and 40 kHz →			
Heaters	2 x 480W	4 x 480W	6 x 480W	10 x 480W

Notes

1. Dual frequency Primewave® generator control, where fitted, is external to the tank.
2. UCR1500 and larger UCR systems require 3-phase power supply

Larger sizes are available to order. Please ask for details.

UCR FEATURES

- Simply touching the select keypad toggles the LCD display through set time, set temperature, run time and run temperature.
- Sonics time may be set in the range 0.1 to 99.9 minutes in 0.1 min increments, or to constant when sonics may be switched on and off manually.
- Non-operation of sonics if solution temperature is more than 10°C above set temperature.
- Optional low-level protection to prevent heater burn out if solution level drops.
- Solution temperature may be set in the range 20°C to 80°C in 1°C increments.
- Controller automatically selects last-used settings at switch on.
- 4-keypad membrane control panel is easy to use.
- LEDs show the status of power, heater and sonics.

Modifications and improvements to Guyson machines are introduced from time to time as a direct result of our policy of continuous development. Consequently all designs and specifications quoted must be regarded as subject to change. Please refer to quotation.

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