UCR450 MK3

GUYSON

UCR450 TECHNICAL DATA

Overall - length (front to back)	656 mm
Overall - width (left to right)	1060 mm
Overall - height	675 mm
Tank (internal) - length (front to back)	446 mm
Tank (internal) - width (left to right)	325 mm
Effective capacity (litres - min/max)	36.2/43.4
Basket (internal) - length (front to back)	390 mm
Basket (internal) - width (left to right)	250 mm
Liquid depth to base of tank (min/max)	250/300 mm
Working depth of fluid to fill line	260 mm
Generators (std models only)	2 x M300
Operating frequency	Between 34 kHz and 40 kHz
Heaters	4 x 480W

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

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

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.

GUYSON PULSATRON UCR Mk3

Ultrasonic Clean and Rinse System

Guyson's Kerry UCR Mk3 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 Pulsatron M300 (300W) 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 operate normally between 34 kHz and 40 kHz
- Options include pumped filtration, heating to the immersion rinse, deionised water spray rinse, lid, basket, raising stand and level sensor

UCR Mk3 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.**

bsi. ISO 9001:2015 Quality Management FM 38758 OHSAS 18001 Occupational Health & Safety Management OHS 595776

UCR450 MK3 - Ultrasonic Clean Rinse