

CRD450 TECHNICAL DATA	
Dimensions (mm)	
Overall Machine Dimensions	1500 x 800 x 975mm
Effective tank dimensions	450x 325 x 250mm (internal) l x w x d
Effective capacity	36.5 litres
Electrical supply	16A per phase max 415V 3 ph + N&E
Framework and panels	Fabricated in mild steel finished RAL 7037 mid grey and RAL 7035 light grey
Tanks and top surround	304L stainless steel with a bead-blast finish
Valves and pipework	Stainless steel
Generator type	2 x M300
Operating frequency	38 kHz +/- 10%
<b>Notes</b>	
1. Dual frequency generator control, where fitted, is external to the tank.	

### DUAL FREQUENCY OPTION

Generators with dual frequency controls, switchable between 38 kHz and 70 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.

### CRD 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.
- Automatic safety devices include non-operation of sonics if solution temperature is more than 10°C above set temperature, and 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.



FM 38758  
ISO 9001:2000



### GUYSON PULSATRON CRD Ultrasonic Clean Rinse & Dry System

Guyson's Kerry Pulsatron CRD 450 is a 3-stage system providing ultrasonic cleaning with heating, immersion rinse weiring to drain, a hand held spray for second rinse (DI optional), and hot air dry.

The hot air dryer circulates air via a coarse filter and 4.5 kW heating element. Closing the hinged lid initiates fan and heater operation up to the maximum adjustable temperature of 100°C.

The CRD system is designed for manual operation.

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.

- Digital panel for precise control and display of sonics time and solution temperature
- Option of generator control with dual frequency for special applications
- Standard CRD systems operate at 38 kHz (±10%).
- Options include pumped filtration to the cleaning tank, heating to the immersion rinse, and deionised water spray rinse.

## CRD450

