KS ULTRASONIC TANKS

GUYSON PULSATRON KS TANKS

Guyson's Kerry KS systems have been designed to achieve optimum cleaning results using aqueous solutions.

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 M300 (300W) ultrasonic generators for powerful cleaning and long equipment life (KS300/450/525/1500)
- KS3000/4000 have an internal DIN rail mounted HS3 ultrasonic generator (2/3 kW) with a dedicated single frequency of either 40, 80 or 132 kHz
- 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 or multi frequency for special applications
- Standard KS systems operate normally between 34 kHz and 40 kHz
- Options include: lid, basket, raising stand, level sensor and pumped filtration

DUAL FREQUENCY OPTION

Generators are also available with dual or multi frequency and can be switched between frequencies if required. These S3 generators are external to the tank.

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.

KS TANKS (Mk3) - TECHNICAL DATA

	KS300	KS450	KS525	KS1500	KS3000	KS4000
Overall - length (front to back)	410 mm	465 mm	555 mm	635 mm	726 mm	726 mm
Overall - width (left to right)	655 mm	755 mm	845 mm	975 mm	1050 mm	1300 mm
Overall - height	500 mm	550 mm	675 mm	776 mm	1010 mm	1010 mm
Tank (internal) - length (front to back)	250 mm	325 mm	415 mm	450 mm	550 mm	550 mm
Tank (internal) - width (left to right)	350 mm	450 mm	525 mm	650 mm	750 mm	1000 mm
Effective capacity (litres - min/max)	17.5/21.8	36.5/43.8	54.4/65.3	117/131.6	165/185.6	247.5/275
Basket (internal) - length (front to back)	180 mm	250 mm	340 mm	370 mm	470 mm	470 mm
Basket (internal) - width (left to right)	290 mm	390 mm	465 mm	590 mm	690 mm	940 mm
Liquid depth to base of tank (min/max)	200/250 mm	250/300 mm	250/300 mm	400/450 mm	400/450 mm	450/500 mm
Working depth of fluid to fill line	210 mm	260 mm	260 mm	410 mm	420 mm	460 mm
Generators (std models only)	1 x M300	2 x M300	3 x M300	4 x M300	*2 kW	*3 kW
Operating frequency	← Between 34 kHz and 40 kHz →				40, 80 or 132 kHz	
Heaters	2 x 480W	4 x 480W	6 x 480W	12 x 480W	16 x 480W	20 x 480W

Notes

1. **Dual frequency generator control, where fitted, is external to the tank.*
2. *Standard supply 240 volt, 50 Hz, single phase. KS1500 and larger systems require 3-phase power supply.*
3. *Larger sizes are available to order, please ask for details.*

KS 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.

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