

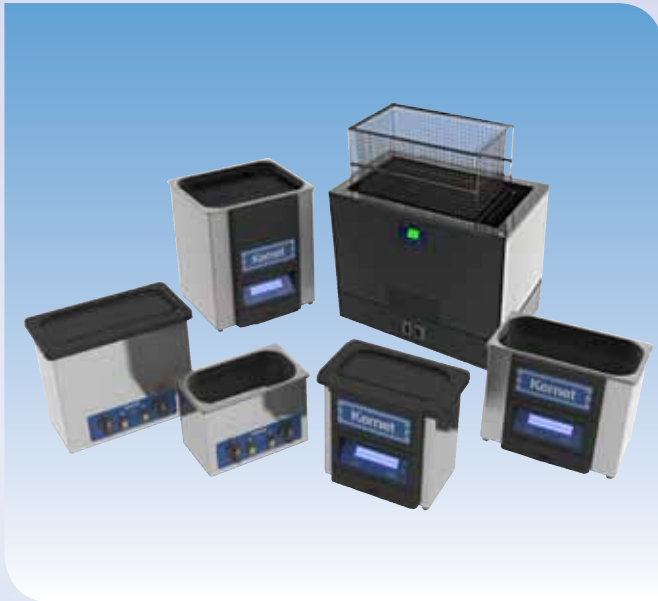
# Kemet

## CLEANING SYSTEMS



[www.kemet.co.uk](http://www.kemet.co.uk)

# The Kemet range of Ultrasonic Systems for cleaning precision parts



Modular, flexible & affordable

Kemet Ultrasonic Cleaning Tanks are constructed from stainless steel, and are designed for heavy duty operation.

- Powerful ultrasonics for good cleaning.
- Thermostatically controlled indirect heating (heating panels in side walls).
- Tank Base sloping to drain valve (Opal range).
- Built-in ultrasonic generator.
- Electronic controls with digital time/temperature display.
- Level guard which cuts off heating and ultrasonics if there is insufficient liquid in the tank.
- Supplied with lid and basket.
- Overflow weir for oil skimming (Opal range).
- Frequency Leap Technology  
Reduced dead spots and minimal standing waves, increasing the ultrasonic activity.

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For precision cleaning in laboratories, optics, dental and health care, printing industry, watch/clock making, jewellery, small batch production and all kinds of precision mechanics.

### Specification

The tanks, baskets and main casings are manufactured from stainless steel. The lid is ABS plastic, which also acts as a drip tray for the basket. All units are supplied as standard with lid and basket.

The digital control models have an SD card (SD card supplied) aperture for validation/traceability of cycle used, essential in health care use and beneficial in high quality processes. The digital units also have 'Frequency Leap' technology, auto-degas and low-level safety sensors.

For simple low cost ultrasonic cleaning, Analogue control models are available on the Gem 3 and Gem 5 units.

Other size units can be supplied to order.

Typically cleaning is carried out using an aqueous solution of detergent and water.

Please see the Kemet Range of cleaning chemicals in this brochure.



Gem Digital



Gem Analogue

Model	Gem 3	Gem 3D	Gem 5	Gem 5D	Gem 12D	Gem 25D
Tank volume/litres	2.5	2.5	4.5	4.5	12.5	25
External dimensions/mm	270L x 170W x 210H	285L x 184W x 267H	330L x 180W x 275H	345L x 200W x 267H	345L x 288W x 366H	551L x 347W x 336H
Tank dimensions/mm	240L x 140W x 100H	240L x 140W x 100H	300L x 150W x 150H	300L x 150W x 150H	295L x 245W x 200H	500L x 300W x 200H
Tank Material	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Basket dimensions/mm	220L x 125W x 40H	220L x 125W x 40H	273L x 125W x 90H	273L x 125W x 90H	265L x 215W x 140H	470L x 270W x 140H
Ultrasonic power/W nom/peak	35/70	50/100	100/200	100/200	200/400	400/800
Ultrasonic frequency/kHz	44	32-38	32-38	32-38	32-38	32-38
Control panel type.	Analogue	Digital	Analogue	Digital	Digital	Digital
Validation SD card system	n/a	Yes	n/a	Yes	Yes	Yes
Heating power/W	n/a	150	150	150	300	650
Electrical connection Volts/Hz	230/50	230/50	230/50	230/50	230/50	230/50
Low-level safety sensor.	n/a	Yes	n/a	Yes	Yes	Yes
Drain Valve	n/a	Yes	Yes	Yes	Yes	Yes

Dimensions and data are subject to change without further notice