

# Kemet

## *Cleaning Systems*

*The Kemet range of Ultrasonic systems for cleaning precision parts*



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).
- Floor sloping to drain valve.
- 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.
- Double lid with thermal and acoustic insulation.
- Overflow weir for oil skimming.

*Modular, flexible  
& affordable*

# *Kemet Si-40 Ultrasonic cleaner & Si-40dr bench top hot air dryer mounted on stainless steel tailored system*



## *illustration*

The picture shows an Si-40 ultrasonic cleaning tank and Si-40dr hot air dryer (right) mounted on a stainless steel stand. This solvent free bench top cleaning system is just one example of the modular flexible range available.

## *specification*

The Si-40dr dryer is constructed from stainless steel with thermal insulation, thermostatic temperature control (80°C maximum), hot air re-circulating oven design and incorporates a safety thermostat.

## *technical data*

Model	Si-40dr Hot Air Dryer	Si-40 Ultrasonic Tank
External Dimensions / mm	800L x 390W x 510H	640L x 390W x 540H
Tank Dimensions / mm	475L x 265W x 300H	475L x 265W x 300H
Basket Dimensions / mm	420L x 225W x 225H	420L x 225W x 225H
Heating Power / W	2000	1500
Fan Motor / W	200	-
Air Flow / M <sup>3</sup> / h	500	-
Ultrasonic Power / W	-	600

*Dimensions and data are subject to change without further notice.*



*Ask Kemet technical staff for the full range and test and demonstration facilities*

# Kemet Si (Semi-Industrial) Range



Si-80, Si-160 semi-industrial units.

## optional equipment available

- Stainless steel baskets.
- Rinse tanks and dewatering tanks.
- Closed loop filtration systems:
- Storage tank with oil separation system.
- Hot air dryer, bench mounted.
- Spray bar fittings for surface skimming.
- Opto liquid level sensor for demi water.
- Mounting platform.
- Manual and motorised rotating drums.
- Air bubble agitation for rinse tanks.
- Closed loop deionised water rinse systems.
- Ventilation rim, extended rim.
- Drip plate.
- Automated transport systems.



Storage tank with oil separation unit.



Si-80 wash stage with 10" filter and two stage cascade rinse with P2S size closed loop filtration, active carbon filter and deioniser.

## dimensions & technical data

Model	Si-25	Si-40	Si-80, 12	Si-120	Si-160, 24	Si-40dr	Si-80dr
Tank Volume / litres	25	40	80	120	160	-	-
External Dimensions / mm	540L x 400W x 500H	640L x 390W x 540H	760L x 460W x 720H	740L x 580W x 745H	1340L x 460W x 770H	800L x 390W x 510H	920L x 460W x 720H
Tank Dimensions / mm	385L x 280W x 250H	475L x 265W x 300H	585L x 330W x 400H	585L x 450W x 450H	1180L x 330W x 400H	460L x 265W x 300H	585L x 330W x 400H
Basket Dimensions / mm	345L x 240W x 195H	420L x 225W x 225H	540L x 290W x 340H	540L x 400W x 390H	1110L x 280W x 300H	420L x 225W x 225H	540L x 290W x 340H
Load / kg	5	5	20	35	40	-	-
Ultrasonic Frequency / kHz	30	30	30	30	30	-	-
Ultrasonic Power / W	300	600	1200	1200	2400	-	-
Heating Power / W	1000	1500	2000	4000	6000	2000	3000
Voltage Frequency / V/ Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50
Connected load / W	1300	2100	3200	5200	8400	2200	3200

Dimensions and data are subject to change without further notice.

# Kemet L3B, L3, & L8 Ultrasonic Cleaners for precision cleaning



For precision cleaning in laboratories, optics, dental and health care, printing industry, watchmaking, jewellery and all kinds of precision mechanics.

## Kemet cleaning fluid

Kemet cleaning fluids are specialist formulated concentrated detergents available in neutral, alkaline and acid types.

Description	Chemistry	Application	Size
Type A9	Light Alkaline	General purpose - All metals	20kg
Type A	Alkaline	General purpose - All steels	1, 5 & 25 litres
Type H14	Strong Alkaline	Mould cleaning - carbon removal Steels, glass/ceramics	20kg
Type N	Neutral	All materials including plastic	1 & 30 litres
Type I	Acid	Rust & oxide removal on all materials Restore white ceramics etching prior to surface treatment	20kg
M99	De-watering	Removes water moisture & protects	20kg

## specification

The tank and lid are made from stainless steel.

The temperature and treatment time are easily adjusted with the **electronic control panel**.

Typical cleaning times vary from 30 seconds to 5 minutes.

The treatment time can be stored in the control panel and restarted. The L3B is a quality budget model with a mechanical timer.

### Use of detergent:

- Reduces surface tension and intensifies ultrasonic cavitation.
- Dissolves and binds the dirt which has been loosened by the ultrasonics.

*small in size,  
great in power!*

## technical data

Model	L3B	L3	L8
Tank Volume / litres	2.7	2.7	7.5
External Dimensions / mm	270L x 165W x 225H	270L x 165W x 225H	330L x 270W x 290H
Tank Dimensions / mm	240L x 135W x 100H	240L x 135W x 100H	300L x 240W x 150H
Basket Dimensions / mm	200L x 110W x 75H	200L x 110W x 75H	250L x 195W x 135H
Ultrasonic Power / W	100	100	200
Ultrasonic Frequency / kHz	40	40	40
Heating Power / W	-	150	600
Electrical Connection / V/ Hz / W	230/50/100	230/50/250	230/50/800
Drain Valve	-	1/4"	1/4"
Weight / kg	4	4.5	8

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

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