

# Monmouth<sup>+</sup> Scientific

## **ULTRASONIC BATHS**

### ***Tech Sheet & Price List 2011***



**SONOREX SUPER**



**SONOREX LONGLIFE**



**SONOREX DIGITAL 10P**



**SONOREX DIGITEC**



**SONOREX TECHNIX**

**Monmouth Scientific**

Units 5 & 6, Kilnside,

East Quay, Bridgwater, Somerset. TA6 4DB

Telephone: 01278 458090 Fax: 01278 458091

Email: [info@monmouthscientific.co.uk](mailto:info@monmouthscientific.co.uk) Web: <http://www.monmouthscientific.co.uk>



Registered Company No. 04716008

Monmouth Scientific is a trading division of Monmouth Surgical Limited

*Monmouth's ranges of ultrasonic baths offer unrivalled quality and versatility. With over 80 baths available across 5 different ranges, combined with literally hundreds of accompanying accessories we will have a solution for your ultrasonic needs.*

### **SONOREX Super**

*The SONOREX Super range is the most popular range of Ultrasonic Baths.*

*It is available in 28 different models with bath sizes ranging from 0.9 litres to 58 litres. They are extremely easy to use with a rotary dial offering time adjustment and temperature control (where fitted).*

### **SONOREX Longlife**

*The SONOREX Longlife are designed for use in industrial areas where you might need something just a little bit more robust. The cleaning tanks are made from 2.0mm thick stainless steel to ensure years of longevity in even the harshest environments.*

*All units are fitted with a built in thermostatically adjustable heater with a range of 30°C to 80°C.*

### **SONOREX Digitec**

*The SONOREX Digitec range is available in 28 different variations. All systems have touch panel control and LED display for temperature value (heater models only). The systems have a greater protection against water spray ingress and are all rated at IP33.*

*The DT...RC systems are fitted with a remote control system that when used in conjunction with the WINPULS® software package can be connected to a PC with RS232 interface for accurate switching times.*

### **SONOREX Digital 10P**

*SONOREX Digital 10P systems are fitted with a 10 memory programmable timer to allow for easy replication of tests and procedures. All units are fitted with a digital timer and also digital temperature controller – thermostatically adjustable between 30°C to 80°C.*

### **SONOREX Technix**

*The SONOREX Technix range provides large scale solutions for industry. The range includes baths with and without heaters. A range of units can be positioned together to provide a production line. We can provide automated systems that will then move your items from one bath to another – alternatively this can be done manually. There are many options within this range – these include deionised water supplies, oil separators and drying troughs. Please see the SONOREX Technix brochure for more information.*

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## **Choosing an Ultrasonic Bath**

*When choosing a bath it is important to choose a system of suitable size and shape. Take into account clearance around the edge of the bath and basket.*

*Consider whether you need heating. The speed and efficiency of some processes are greatly increased with the used of heat. Many cleaning applications in particular would benefit from a water temperature of approximately 30 – 40°C.*

*If you are to be using the system very regularly, then the SONOREX Longlife may be for you, especially if you are working with heavier metal items.*

*If you are looking to regularly reproduce test results or procedures to exacting standards then the best systems would be the SONOREX Digital 10P range.*

## **Important Notes**

*The items you place in the bath must not be allowed to touch the bottom of the bath. Should this happen then you could damage your ultrasonic bath but also the cavitation effect required for the bath to work may not have enough time to take place making your soak in the bath a lot less effective. Always use a suitable basket or support.*

*Always use a cleaning agent designed for use in the ultrasonic baths. Do not use combustible liquids, acids, chemicals containing chloride ions and household cleaners in the baths.*

## **Purchasing Checklist**

- *Is the bath the right size for my application?*
- *Does your application require a heater?*
- *Have you specified a basket for the bath?*
- *Do you require a lid to keep heat in and dust / contamination out of the bath?*
- *Are you using the correct cleaning solution for your application?*
- *Do you regularly need to reproduce exact test results?*

***If you would like any help with choosing your bath or any of the applications, please do not hesitate to contact our Sales Team on 01278 458090 for free, no-obligation advice.***

This price list supersedes all previous price lists  
Delivery charge: £15 per order

All prices are exclusive of VAT  
Monmouth Scientific terms and conditions apply to all orders

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**ULTRASONIC BATHS  
TECH SHEET & PRICE LIST – 2011**

**Monmouth  
Scientific**

**SONOREX SUPER**



RK 31 H

**RK31**



**RK52H**



**RK100H**



**RK102H**



**RK103H**



**RK106**



**RK156**



**RK158**



**RK170H**



**RK255**



**RK510 H**



**RK512H**



**RK513**



RK 514 H

**RK514H**



**RK1028H**



**RK1028C**



**RK1040**



**RK1050**

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

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## SONOREX SUPER

Oscillating tank made of stainless steel, housing made of stainless steel, drip-proof. Timer 1 to 15 min and continuous operation. 'H'-types with built-in heater, 30–80 °C thermostatically adjustable, RK 31 H fixed at 65 °C.



Inner Tank Dimensions – mm (l x w x d)	Capacity L	Type	Prod. Code	Price £ Ex Works	External Dimensions – mm (l x w x d)	Drain Ball Valve	U'sonic Peak Output W	HF Output W <sub>eff</sub>	Heater Power W	Current A	Weight Kg
190 x 85 x 60	0.9	RK31	329	£ 230.00	205 x 100 x 155	-	240	60	-	0.2	1.8
190 x 85 x 60	0.9	RK31H	044	£ 274.00	205 x 100 x 155	-	240	60	70	0.5	1.9
150 x 140 x 100	1.8	RK52	311	£ 404.00	175 x 165 x 225	-	240	60	-	0.3	2.6
150 x 140 x 100	1.8	RK52H	164	£ 513.00	175 x 165 x 225	-	240	60	140	0.9	2.9
240 x 140 x 100	3.0	RK100	301	£ 452.00	260 x 160 x 250	-	320	80	-	0.4	3.4
240 x 140 x 100	3.0	RK100H	312	£ 543.00	260 x 160 x 250	-	320	80	140	1.0	3.6
240 x 140 x 100	3.0	RK102H	303	£ 778.00	260 x 160 x 250	G¼	480	120	140	1.2	4.3
240 x 140 x 150	4.0	RK103H	326	£ 796.00	260 x 160 x 250	G¼	560	140	200	1.5	4.6
dia. 240 x 130	5.6	RK106	306	£ 691.00	dia. 265 x 270	G¼	480	120	-	0.6	5.5
500 x 140 x 100	6.0	RK156	305	£ 817.00	530 x 165 x 245	G¼	640	160	-	0.7	6.1
500 x 140 x 150	9.0	RK156BH	646	£ 1,100.00	530 x 165 x 300	G¼	860	215	600	3.6	7.3
700 x 150 x 180	18.0	RK158S	320	£ 2,009.00	750 x 200 x 385	G½	1200	300	-	1.4	17.9
1000 x 200 x 200	39.0	RK170H	076	£ 2,865.00	1050 x 250 x 385	G½	1200	300	1600	8.3	26.5
300 x 150 x 150	5.5	RK255	3066	£ 735.00	325 x 175 x 305	G¼	640	160	-	0.7	5.2
300 x 150 x 150	5.5	RK255H	316	£ 896.00	325 x 175 x 305	G¼	640	160	280	2.0	5.3
300 x 240 x 150	9.7	RK510	327	£ 818.00	325 x 265 x 350	G½	640	160	-	0.7	7.0
300 x 240 x 150	9.7	RK510H	321	£ 1,004.00	325 x 265 x 350	G½	640	160	400	2.5	7.6
300 x 240 x 200	13.0	RK512H	795	£ 1,322.00	325 x 265 x 350	G½	860	215	400	2.7	8.0
330 x 240 x 220	17.0	RK513	215	£ 1,726.00	370 x 280 x 385	G½	1200	300	-	1.4	14.0
325 x 300 x 150	13.5	RK514	277	£ 1,174.00	355 x 325 x 305	G½	860	215	-	1.0	8.2
325 x 300 x 150	13.5	RK514H	207	£ 1,374.00	355 x 325 x 305	G½	860	215	600	3.6	8.8
325 x 300 x 200	18.7	RK514BH	263	£ 1,413.00	355 x 325 x 385	G½	860	215	600	3.6	9.8
500 x 300 x 200	28.0	RK1028	322	£ 1,591.00	535 x 325 x 400	G½	1200	300	-	1.4	14.3
500 x 300 x 200	28.0	RK1028H	324	£ 1,848.00	535 x 325 x 400	G½	1200	300	1300	7.0	14.7
500 x 300 x 300	45.0	RK1028C	661	£ 2,435.00	540 x 340 x 500	G½	2000	500	-	2.2	24.6
dia. 500 x 195	38.0	RK1040	319	£ 2,243.00	dia. 540 x 500	G½	1200	300	-	1.4	20.5
600 x 500 x 200	58.0	RK1050	323	£ 2,765.00	640 x 540 x 425	G½	2400	600	-	2.7	31.0

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

## SONOREX LONGLIFE



**RK102CH**



**RK103CH**



**RK255CH**



**RK512CH**



**RK515CH**



**RK1028CH**



**RK1050CH**

## SONOREX LONGLIFE

Oscillating tank made of 2 mm stainless steel AISI 316 Ti.  
Housing made of stainless steel, drip-proof. Timer for 1 to 15 minutes and continuous operation.  
Built-in heating, 30–80 °C thermostatically adjustable.

Inner Tank Dimensions – mm (l x w x d)	Capacity L	Type	Prod. Code	Price £ Ex Works	External Dimensions – mm (l x w x d)	Drain Ball Valve	U'sonic Peak Output W	HF Output W <sub>eff</sub>	Heater Power W	Current A	Weight Kg
220 x 135 x 100	3.0	RK102CH	3031	£ 926.00	260 x 175 x 275	G¼	480	120	200	1.4	5.6
220 x 135 x 150	4.5	RK103CH	3032	£ 991.00	260 x 175 x 325	G¼	560	140	200	1.5	6.4
280 x 150 x 150	6.3	RK255CH	3033	£ 1,148.00	320 x 190 x 325	G¼	720	180	280	2.0	7.9
280 x 234 x 200	13.1	RK512CH	3034	£ 1,726.00	320 x 190 x 325	G½	1200	300	560	3.8	13.6
280 x 234 x 300	19.7	RK515CH	3035	£ 1,178.00	320 x 275 x 485	G½	1200	300	700	4.4	16.0
500 x 300 x 300	45.0	RK1028CH	143	£ 2,357.00	540 x 340 x 500	G½	1200	300	1450	7.7	23.7
600 x 500 x 300	90.0	RK1050CH	184	£ 3,496.00	640 x 540 x 530	G½	2400	600	1950	11.1	37.0

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

## SONOREX DIGITAL 10 P



**DK102P**



**DK156BP**



**DK255P**



**DK512P**



**DK514BP**



**DK1028P**

## SONOREX DIGITAL 10 P

**with memory for 10 different cleaning programmes**

Digital display of time, temperature and power. DEGAS-key.

Digital timer 1–99 min and continuous. Power control 10–100%.

Heater 20–80 °C. Integrated thermometer to show actual bath temperature.

Stainless steel oscillating tank and housing, drip-proof.

Inner Tank Dimensions – mm (l x w x d)	Capacity L	Type	Prod. Code	Price £ Ex Works	External Dimensions – mm (l x w x d)	Drain Ball Valve	U'sonic Peak Output W	HF Output W <sub>eff</sub>	Heater Power W	Current A	Weight Kg
240 x 140 x 100	3.0	DK102P	780	£ 1,078.00	260 x 160 x 250	-	480	120	140	1.2	4.5
500 x 140 x 150	9.0	DK156BP	781	£ 1,496.00	530 x 165 x 300	G¼	720	180	600	3.4	7.6
300 x 140 x 150	5.5	DK255P	782	£ 1,283.00	325 x 175 x 305	G¼	640	160	280	2.0	6.0
300 x 240 x 200	13.0	DK512P	783	£ 1,648.00	325 x 265 x 350	G½	820	205	400	2.7	8.8
325 x 300 x 200	18.7	DK514BP	784	£ 1,783.00	355 x 325 x 385	G½	860	215	600	3.6	10.2
500 x 300 x 200	28.0	DK1028P	785	£ 2,343.00	535 x 325 x 400	G½	1200	300	1300	7.0	15.2

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**SONOREX DIGITEC**



**DT31**



**DT31H**



**DT52**



**DT52H**



**DT100**



**DT100H**



**DT102H**



**DT103H**



**DT156**



**DT156**



**DT156BH**



**DT255**



**DT255 H**



**DT510**



**DT510H**



**DT512H**



**DT514**



**DT514BH**



**DT1028**



**DT1028C**



**DT1028CH**



**DT514BH**



**DT1028**



**DT1028H**

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## SONOREX DIGITEC

- 4-Step-operation as 'plug and clean'
- 'H'-units with heater 20–80 °C, thermostatically adjustable, with LED-display for target value and actual value of temperature
- optical signal in case of excess temperature
- timer for countdown and continuous operation
- DEGAS – adjustable pulse sound level, visible at LED-display
- housing made of stainless steel: protected against spray, protection class IP 33
- SweepTec® for permanent sound field oscillation

Inner Tank Dimensions – mm (l x w x d)	Capacity L	Type	Prod. Code	Price £ Ex Works	External Dimensions – mm (l x w x d)	Drain Ball Valve	U'sonic Peak Output W	HF Output W <sub>eff</sub>	Heater Power W	Current A	Weight Kg
190 x 85 x 60	0.9	DT31	3200	£ 283.00	205 x 100 x 155	-	240	60	-	0.2	1.8
190 x 85 x 60	0.9	DT31H	3220	£ 326.00	205 x 100 x 155	-	240	60	70	0.5	1.9
150 x 140 x 100	1.8	DT52	3205	£ 413.00	175 x 165 x 225	-	240	60	-	0.3	2.6
150 x 140 x 100	1.8	DT52H	3225	£ 522.00	175 x 165 x 225	-	240	60	140	0.9	2.9
240 x 140 x 100	3.0	DT100	3210	£ 461.00	260 x 160 x 250	-	320	80	-	0.4	3.4
240 x 140 x 100	3.0	DT100H	3230	£ 552.00	260 x 160 x 250	-	320	80	140	1.0	3.6
240 x 140 x 100	3.0	DT102H	3235	£ 787.00	260 x 160 x 250	G¼	480	120	140	1.2	4.3
240 x 140 x 150	4.0	DT103H	3201	£ 804.00	260 x 160 x 250	G¼	560	140	200	1.5	4.6
dia. 240 x 130	5.6	DT106	3270	£ 700.00	dia. 265 x 270	G¼	480	120	-	0.6	5.5
500 x 140 x 100	6.0	DT156	3275	£ 826.00	530 x 165 x 245	G¼	640	160	-	0.7	6.1
500 x 140 x 150	9.0	DT156BH	3221	£ 1,109.00	530 x 165 x 300	G¼	860	215	600	3.6	7.3
300 x 150 x 150	5.5	DT255	3215	£ 743.00	325 x 175 x 305	G¼	640	160	-	0.7	5.2
300 x 150 x 150	5.5	DT255H	3240	£ 904.00	325 x 175 x 305	G¼	640	160	280	2.0	5.3
300 x 240 x 150	9.7	DT510	3245	£ 826.00	325 x 265 x 350	G½	640	160	-	0.7	7.0
300 x 240 x 150	9.7	DT510H	3206	£ 1,013.00	325 x 265 x 350	G½	640	160	400	2.5	7.6
300 x 240 x 200	13.0	DT512H	3226	£ 1,330.00	325 x 265 x 350	G½	860	215	400	2.7	8.0
325 x 300 x 150	13.5	DT514	3250	£ 1,183.00	355 x 325 x 305	G½	860	215	-	1.0	8.2
325 x 300 x 150	13.5	DT514H	3211	£ 1,383.00	355 x 325 x 305	G½	860	215	600	3.6	8.8
325 x 300 x 200	18.7	DT514BH	3216	£ 1,422.00	355 x 325 x 385	G½	860	215	600	3.6	9.8
500 x 300 x 200	28.0	DT1028	3255	£ 1,600.00	535 x 325 x 400	G½	1200	300	-	1.4	14.3
500 x 300 x 200	28.0	DT1028H	3231	£ 1,857.00	535 x 325 x 400	G½	1200	300	1300	7.0	14.7
500 x 300 x 300	45.0	DT1028CH	3266	£ 2,365.00	540 x 340 x 500	G½	2000	500	1450	7.7	23.7
600 x 500 x 200	58.0	DT1050	3265	£ 2,774.00	640 x 540 x 425	G½	2400	600	-	2.7	31.0
600 x 500 x 300	90.0	DT1050CH	3271	£ 3,504.00	640 x 540 x 530	G½	2400	600	1950	11.1	37.0

## SONOREX DIGITEC DT...RC units with infrared interface

240 x 140 x 100	3.0	DT102H-RC	3071	£ 865.00	260 x 160 x 250	G¼	480	120	140	1.2	4.3
300 x 150 x 150	5.5	DT255H-RC	3081	£ 983.00	325 x 175 x 305	G¼	640	160	280	2.0	5.3
300 x 240 x 150	9.7	DT510H-RC	3091	£ 1,091.00	325 x 265 x 350	G½	640	160	400	2.5	7.6
325 x 300 x 200	18.7	DT514BH-RC	3095	£ 1,500.00	355 x 325 x 385	G½	860	215	600	3.6	9.8

**WINSONIC® DT remote control** - Consisting of: Software and infrared adapter IR 1  
WINSONIC® DT remote control Product Code: 3090 **£202.00**

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

For units:	Type	Product Code:	Price £	Dimensions (mm) l x w x h
<b>Stainless steel baskets</b>				
RK 31/H, DT 31/H	K 08	209	£ 26.00	170 x 65 x 50
RK 52/H, DT 52/H	K 1 C	3024	£ 37.00	120 x 110 x 40
RK 100/H/SH, RK 102 H/CH, DT 100/H, DT 102 H/H-RC, DK 102 P	K 3 C	3025	£ 43.00	200 x 110 x 40
RK 100/H, RK 102 H/CH, DT 100/H, DT 102 H DK 102 P	K 3 CS	3052	£ 56.00	200 x 113 x 45
RK 103 H/CH, DT 103 H, 2 pieces fit to RK 513	K 3 CL	3026	£ 46.00	200 x 110 x 40
RK 255/H/CH, DT 255/H/H-RC, DK 255 P	K 5 C	3027	£ 51.00	260 x 110 x 40
RK 255/H, DT 255/H/H-RC, DK 255 P	K 5 CS	3057	£ 60.00	200 x 113 x 45
RK 106, DT 106, to be set in	K 6	356	£ 82.00	dia. 215 mm, 50 mm high
RK 156, DT 156	K 6 L	202	£ 139.00	460 x 100 x 50
RK 156 BH, DT 156 BH, DK 156 BP	K 6 BL	629	£ 141.00	460 x 100 x 50
RK 170 H	K 7	577	£ 367.00	950 x 150 x 50
RK 510/H, DT 510/H/H-RC	K 10	359	£ 123.00	250 x 195 x 50
RK 512 H, RK 512 CH, DT 512 H, DK 512 P	K 10 B	230	£ 125.00	250 x 195 x 50
RK 513	K 13	222	£ 129.00	250 x 190 x 50
RK 514/H, DT 514/H	K 14	354	£ 137.00	275 x 245 x 50
RK 514 BH, DT 514 BH/H-RC, DK 514 BP	K 14 B	205	£ 138.00	275 x 245 x 50
RK 514 BH for 2 full face masks	K 14 AZ	198	£ 213.00	285 x 260 x 155
RK 515 CH	K 15 C	3015	£ 146.00	250 x 190 x 50
RK 158 S	K 18 S	396	£ 198.00	660 x 115 x 50
RK 1028/H, DT 1028/H, DK 1028 P	K 28	358	£ 178.00	455 x 245 x 50
RK 1028 C/CH, DT 1028 CH	K 28 C	181	£ 183.00	455 x 245 x 50
RK 1028 C/CH, DT 1028 CH (up to 40 kg)	K 28 CS	144	£ 381.00	440 x 240 x 50
RK 1028 CH for 6 full face masks	K 28 CA	213	£ 354.00	470 x 270 x 215
RK 1028 CH for 3 full vision face masks	K 28 CV	387	£ 296.00	470 x 270 x 215
RK 1040 (up to 10 kg)	K 40	123	£ 268.00	dia. 480 mm, 50 mm high
RK 1050, DT 1050	K 50	357	£ 250.00	545 x 450 x 50
RK 1050 CH, DT 1050 CH	K 50 C	138	£ 253.00	545 x 450 x 50
RK 1050 CH, DT 1050 CH (up to 40 kg)	K 50 CS	185	£ 503.00	540 x 445 x 50
RK 1050 CH for 9 full face masks	K 50 CA	216	£ 483.00	540 x 445 x 240
RK 1050 CH for 6 full vision face masks	K 50 CV	389	£ 462.00	540 x 445 x 240



K08



K 3 C



K 6



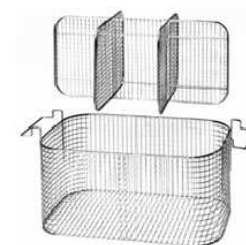
K 14



K 28 CS



K 40



K 28 CA

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

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For units:

Type	Product Code:	Price £
<b>Stainless steel lids - to cover oscillating tanks with insert baskets</b>		
RK 31/H, DT 31/H	D 08	218 £ 14 .00
RK 52/H, DT 52/H	D 52	3002 £ 26 .00
RK 100/H, RK 102 H/CH/H-RC, RK 103 H/CH, DT 100/H, DT 102 H/H-RC, DT 103 H, DK 102 P, ZE 100	D 100	3003 £ 26 .00
RK 255/H/CH, DT 255/H/H-RC, DK 255 P	D 255	3007 £ 34 .00
RK 106, DT 106	D 6	346 £ 43 .00
RK 156/BH, DT 156/BH, DK 156 BP	D 156	3004 £ 47 .00
RK 170 H	D 170	3006 £ 152 .00
RK 510/H, RK 512 H/CH, RK 515 CH, DT 510/H/H-RC, DT 512 H, DK 512 P	D 510	3008 £ 40 .00
RK 513	D 513	3009 £ 43 .00
RK 514/H/BH, DT 514/H/BH/BH-RC, DK 514 BP	D 514	3010 £ 46 .00
RK 514 BH - when using K 14 AZ	D 14 AZ	3073 £ 49 .00
RK 158 S	D 158	3005 £ 88 .00
RK 1028/H, DT 1028/H, DK 1028 P	D 1028	3011 £ 54 .00
RK 1028 C/CH, DT 1028 CH	D 1028 C	3012 £ 63 .00
RK 1040	D 40	603 £ 191 .00
RK 1050/CH, DT 1050/CH	D 1050 C	3013 £ 113 .00



D 08



D100



D514



D6



D1028

## Stainless steel lids – to cover oscillating tanks, especially for inset baskets (without brackets)

RK 52/H, DT 52/H	D 1	3056 £ 25 .00
RK 100/H, RK 102 H/H-RC, RK 103 H, DT 100/H, DT 102 H, DT 103 H, DK 102 P	D 3	114 £ 24 .00
RK 255/H, DT 255/H/H-RC, DK 255 P	D 5	3054 £ 32 .00
RK 255 CH	D 255 C	3055 £ 34 .00
RK 510/H, RK 512 H, DT 510/H, DT 512 H	D 10 T	3061 £ 37 .00
RK 514/H/BH, DT 514/H/BH/BH-RC, ZE 514	D 14 T	3062 £ 44 .00
RK 1028/H, DT 1028 H	D 28 T	3063 £ 55 .00



D14



D 14 T

installation of ZE 514 from above

### Monmouth Scientific

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

For units:

Type	Product Code:	Price £	Dimensions (mm) l x w x h
<b>Plastic insert tubs with lids</b>			
RK 100/H, RK 102 H, RK 103 H, DT 100/H, DT 102 H/H-RC, DT 103 H, DK 102 P	<b>KW 3</b>	715 £ <b>53 .00</b>	195 x 115 x 88
RK 255/H, DT 255/H/H-RC, DK 255 P	<b>KW 5</b>	240 £ <b>52 .00</b>	254 x 96 x 130
RK 510/H, DT 510/H/H-RC	<b>KW 10-0</b>	3053 £ <b>305 .00</b>	242 x 182 x 135
RK 514/H, DT 514/H, ZE 514/... DT	<b>KW 14</b>	613 £ <b>243 .00</b>	280 x 215 x 145
RK 514 BH, DT 514 BH/H-RC, DK 514 BP, RM 16 UH	<b>KW 14 B</b>	648 £ <b>248 .00</b>	275 x 210 x 195
RK 1028/H/C/CH, DT 1028/H/CH, DK 1028 P, ZE 1031/1032/... DT	<b>KW 28-0</b>	717 £ <b>549 .00</b>	437 x 230 x 155
RK 1050, DT 1050	<b>KW 50-0</b>	718 £ <b>670 .00</b>	517 x 445 x 184
RK 1050 CH, DT 1050 CH	<b>KW 50 B-0</b>	568 £ <b>797 .00</b>	520 x 445 x 284



KW3



KW10-0



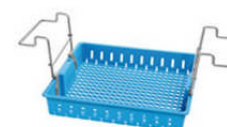
KW50-0

## Plastic insert baskets – perforated

RK 52/H, DT 52/H	<b>PK 1 C</b>	3046 £ <b>27 .00</b>	90 x 90 x 66
RK 100/H/SH, RK 102 H/CH, DT 100/H, DT 102 H/H-RC, DK 102 P	<b>PK 2 C</b>	3082 £ <b>30 .00</b>	187 x 90 x 56
RK 103 H/CH, DT 103 H	<b>PK 3 C</b>	3047 £ <b>32 .00</b>	187 x 90 x 56
RK 255/H, DT 255/H/H-RC, DK 255 P	<b>K 5 P</b>	113 £ <b>42 .00</b>	254 x 96 x 130
RK 514/H, DT 514/H	<b>K 14 P</b>	3093 £ <b>99 .00</b>	230 x 250 x 45
RK 1028/H, DT 1028/H	<b>K 28 P</b>	3089 £ <b>108 .00</b>	420 x 200 x 45



PK 2 C



K14EP

## Stainless steel positioning lids – to hold inset beakers

RK 31/H, DT 31/H	<b>DE 08</b>	278 £ <b>18 .00</b>	(for 2 vessels)
RK 52/H, DT 52/H	<b>DE 52</b>	3016 £ <b>19 .00</b>	(for 1 vessel)
RK 100/H, RK 102 H/CH, RK103 H/CH, DT 100/H, DT 102 H/H-RC, DT103 H, DK 102 P, ZE 100	<b>DE 100</b>	3017 £ <b>23 .00</b>	(for 2 vessels)
RK 513	<b>DE 3 BL</b>	308 £ <b>28 .00</b>	(for 2 vessels)
RK 255/H/CH, DT 255/H/H-RC, DK 255 P	<b>DE 255</b>	3028 £ <b>27 .00</b>	(for 2 vessels)
RK 106, DT 106	<b>DE 6</b>	336 £ <b>27 .00</b>	(for 2 vessels)
RK 156/BH, DT 156/BH, DK 156 BP	<b>DE 156</b>	3040 £ <b>46 .00</b>	(for 4 vessels)
RK 510/H, RK 512 H, RK 515 CH, DT 510/H/H-RC, DT 512 H, DK 512 P	<b>DE 510</b>	3038 £ <b>38 .00</b>	(for 4 vessels)
RK 514/H/BH, DT 514/H/BH/BH-RC, DK 514 BP	<b>DE 514</b>	3039 £ <b>44 .00</b>	(for 4 vessels)
RK 1028/H/C/CH, RK 1050/CH, DT 1028/H/CH, DT 1050/CH, DK 1028 P	<b>ES 4</b>	382 £ <b>58 .00</b>	beaker holder for 4 vessels



DE 100



DE510



DE156



ES 4 WITH 2 x SD 06



SD06, PD06 & DE3BL

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

For units:

Type Product Code: Price £

### **Inset beakers – to be placed into positioning lids - SD 06/SD 09/EB 05/PD 06 for DE 52 to DE 514, ES 4, KB 04/SD 04/SD 05 for DE 08 only**

RK 31/H, DT 31/H	KB 04	3000	£	11.00	plastic 400 ml with ring, dia. 76 mm, 110 mm high
RK 31/H, DT 31/H	SD 04	168	£	12.00	glass 400 ml with ring, dia. 76 mm, 110 mm high
RK 31/H, DT 31/H	SD 05	575	£	16.00	glass 600 ml with ring, dia. 76 mm, 150 mm high
RK 52/H, RK 100/H, RK 102 H/CH, RK 103 H/CH, RK 106, RK 156/BH, RK 255/H/CH, RK 510/H, RK 512 H, RK 513, RK 514/H/BH, RK 1028 H/CH, RK 1050/CH, DT 52/H, DT 100/H, DT 102 H/H-RC, DT 103 H, DT 106, DT 156/BH, DT 255/H/H-RC, DT 510/H/H-RC, DT 512 H, DT 51	SD 06	330	£	13.00	glass 600 ml with ring and lid, dia. 84 mm, 125 mm high
	SD 09	579	£	18.00	glass 1000 ml with ring, dia. 91 mm, 180 mm high
	EB 05	340	£	30.00	stainless steel 600 ml with ring and lid, dia. 87 mm, 120 mm high
	PD 06	299	£	11.00	plastic 600 ml with ring, and lid, dia.86 mm, 125 mm high
	DD 06	350	£	3.00	lid for SD 06 / EB 05 / PD 06 (order quantity 10 pcs.)
	GR 04	169	£	5.00	ring for KB 04 / SD 04 / SD 05 (order quantity 5 pcs.)
	GR 06	74	£	5.00	ring for SD 06 / SD 09 / EB 05 / PD 06 (order quantity 5 pcs.)



SD09

### **Inset sieve baskets - mesh Size 1 x 1 mm – to fit into inset beakers**

RK 52/H, RK 100/H, RK 102 H/CH, RK 103 H/CH, RK 106, RK 156/BH, RK 255/H/CH, RK 510/H, RK 512 H, RK 513, RK 514/H/BH, RK 1028 H/CH, RK 1050/CH, DT 52/H, DT 100/H, DT 102 H/H-RC, DT 103 H, DT 106, DT 156/BH, DT 255/H/H-RC, DT 510/H/H-RC, DT 512 H, DT 51	KD 0	370	£	25.00	stainless steel, interior dia.75 mm, exterior dia. 85 mm for SD06 / 09, EB 05, PB06
	PD 04	126	£	12.00	plastic, interior dia. 60 mm exterior dia. 75 mm for KB 04, SD 04 / 05 / 06 / 09



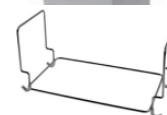
KD0



PD04

### **Special accessories**

RK 31	DE 31 T	271	£	37.00	positioning lid for inserting tattoo machines and beakers at the same time
RK 52	DE 52 T	188	£	43.00	positioning lid for inserting tattoo machines and beakers at the same time
RK 106, DT 106	SH 7	314	£	30.00	test sieve holder
RK 1028 C/CH, DT 1028 CH	SH 28 C	307	£	170.00	sieve holder for max. 5 analysis sieves



SH7C



SH28C

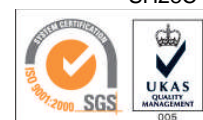
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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

For units:

Type	Product Code:	Price £
<b>Special accessories, laboratory</b>		
<i>RK 52/H, RK 100/H, RK 102 H/CH, RK 103 H/CH, RK255/H/CH, RK 156/BH, DT 52/H, DT 100/H, DT 102 H/H-RC, DT 103 H, DT 255/H/H-RC, DT 156/BH/BH-RC, DK 102 P, DK 255 P, DK 156 BP</i>	<b>GV 3</b>	79 £ <b>43 .00</b>
		2 pieces; handle adjustments for insert baskets K 1, K 1 C, K 3, K 3 C, K 3 CL, K 3 L, K 5, K 5 C, K 6 L, K 6 BL
	<b>GV3</b>	
<i>RK 510/H/H-RC, RK 512/H/CH, RK 514/H/BH/H-RC, RK 515 CH, RK1028 H/C/CH, DT 510/H, DT 512/H, DT 514/H/BH/BH-RC, DT 1028/H/CH, DK 512 P, DK 514 BP, DK 1028 P</i>	<b>GV 10</b>	92 £ <b>47 .00</b>
		2 pieces; handle adjustments for insert baskets K 10, K 10 B, K 14, K 14 B, K 15 C, K 28, K 28 C
<i>Spring clamps for laboratory flasks. For easy and safe fixing of flasks on the bottom of insert baskets or utensil holders, with mesh sizes up to 12,5 x 12,5 mm</i>	<b>EK 10</b>	51 £ <b>19 .00</b>
	<b>EK 25</b>	53 £ <b>20 .00</b>
	<b>EK 50</b>	55 £ <b>22 .00</b>
	<b>EK 100</b>	57 £ <b>24 .00</b>
<i>RK 52/H, RK 100/H, RK 102 H, DT 52/H, DT 100/H, DT 102 H/H-RC, DK 102 P</i>	<b>RG 2</b>	279 £ <b>69 .00</b>
		test tube holder for 6 test tubes up to 25 mm dia and 8 test tubes up to 16 mm dia
		
		

## Tabletting punch holder

<i>RK 514 BH, DT 514 BH</i>	<b>TH 14 B</b>	3077	£ <b>265 .00</b>	30 holes with dia. 22 mm for punches EU B 30 holes with dia. 28 mm for punches EU D
<i>RK 514 BH, DT 514 BH</i>	<b>TH 14 B-S 22</b>	307701	£ <b>294 .00</b>	60 holes with dia. 22 mm for punches EU B
<i>RK 514 BH, DT 514 BH</i>	<b>TH 14 B-S 28</b>	307702	£ <b>294 .00</b>	52 holes with dia. 28 mm für punches EU D
<i>RK 1028 H, DT 1028 H</i>	<b>TH 28-S 22</b>	3087	£ <b>404 .00</b>	44 holes with dia. 22 mm for punches EU B
<i>RK 1028 H, DT 1028 H</i>	<b>TH 28-S 28</b>	3097	£ <b>410 .00</b>	31 holes with dia. 28 mm for punches EU D



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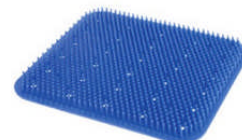


# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

# Monmouth Scientific

For units:

	Type	Product Code:	Price £	
<b>Special accessories, medical line</b>				
RK 100/H, DT 100/H, ZE 100	SM 3	93	£ 66 .00	silicone knob mat 170 × 97 mm, for K 3 C
RK 255 H, DT 255 H	SM 5	101	£ 69 .00	silicone knob mat 213 × 97 mm, for K 5 C
RK 156, DT 156	SM 6	110	£ 103 .00	silicone knob mat 426 × 97 mm, for K 6 L
RK 514/H, DT 514/H	SM 14	118	£ 91 .00	silicone knob mat 235 × 245 mm, for K 14, K 14 EM
RK 158 S,	SM 18 S	133	£ 171 .00	silicone knob mat 639 × 97 mm, for K 18 S
RK 1028/H, DT 1028/H, ZE 1031/1032/1058/1059/... DT	SM 29	178	£ 165 .00	silicone knob mat 470 × 245 mm, for K 28, K 29 EM
Silicone knob mat	SMK 10	3029	£ 14 .00	pushbuttons (10 sets)



## Special accessories, dental line

RK 513	KAH 13	235	£ 90 .00	cassette holder (305 × 210 × 147 mm, stainless steel for simultaneous sonication of up to 3 × 1/1 DIN cassettes, 6 × 1/2 DIN cassettes, 12 × 1/4 DIN cassettes
RK 100/H, RK 102 H, RK 255 H, DT 100/H, DT 102 H, DT 255 H	LT 102	371	£ 49 .00	rack, stainless steel; for cleaning of impression trays



KAH 13

## Stainless steel injection valve holders

RK52/H	ED 0	163	£ 43 .00	Suitable for inset beaker EB 05 600ml (for positioning lid DE)
RK 100/H/SH, RK 102 H, RK 510 H, DK 102 P	ED 9	183	£ 29 .00	8 holes, 9,5 mm dia. Each, 8 holes, 5,5 mm dia. Each, 8 holes, 4,5 mm dia. Each, 8 holes, 3,5 mm dia. each
RK 514 BH	ED 14	634	£ 141 .00	12 holes, 14,5 mm dia. Each, 12 holes, 10,0 mm dia. Each, 12 holes, 6,5 mm dia. each
RK 100/H, 102 H, DK 102 P	DE 822	591	£ 28 .00	8 holes, 22,0 mm dia. each



ED 14

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011

## CLEANING SOLUTIONS

Optimum results with the cleaning in ultrasonic baths require the application of an appropriate ultrasonic specific cleaning agent.

The agents have to remove the soiling thoroughly and at the same time be gentle to the material parts to be cleaned and to the ultrasonic components (tanks, transducers etc)

Many industrial & household cleaners are not suitable for ultrasonic cleaning. They may contain aggressive compounds such as acids or chloride ions which can attack the stainless steel of the ultrasonic bath. The use of water without any appropriate additive is not suitable for use in ultrasonic cleaning.



For Industry, Handicraft, Laboratory								
	Code No.	Price £	Code No.	Price £	Code No.	Price £	Code No.	Price £
	1 Litre		5 Litres		25 Litres		200 Litres	
<b>TICKOPUR TR 2</b> <b>Special cleaner</b> demulsifying, concentrate, with corrosion protection dosage 0.1 - 5 %, weakly acid, pH 3.6 (1 %)	891	£21-	893	£66-	895	£252-	851	£1335-
<i>TR2 Removes: Mineral residues, drifting rust, fat, oil, wax, pigments, drilling, grinding, polishing &amp; lapping residues etc.</i> <i>From: Metal, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR TR 3</b> <b>Special cleaner</b> , based on citric acid, concentrate, gentle to material, Phosphate-free dosage 5 %, weakly acid, pH 3.0 (1 %)	913	£21-	935	£66-	937	£252-	973	£1335-
<i>TR3 Removes: Mineral residues, drifting rust, fat, oil, wax, pigments, drilling, grinding, polishing &amp; lapping residues etc.</i> <i>From: Metal, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR TR 7</b> <b>Universal cleaner</b> demulsifying, concentrate, with corrosion protection dosage 0.1 - 5 %, mildly alkaline, pH 8.9 (1 %)	836	£21-	838	£66-	840	£252-	839	£1335-
<i>TR7 Removes: Oil, fat, wax, pigments, flux, soldering paste, drilling, grinding, polishing &amp; lapping residues etc.</i> <i>From: Steel, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR TR 13*</b> <b>Special cleaner</b> demulsifying, concentrate, silicate-free, dosage 0.1 - 10 %, alkaline, pH 11.9 (1 %)	844	£36-	848	£120-	850	£368-	853	£2040-
<i>TR13 Removes: Resinous residues, coking residues, soot, fat, oil, wax, pigments, coloured fog, drilling, grinding, polishing &amp; lapping residues etc.</i> <i>From: Steel, stainless steel, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR TR 14</b> <b>Flux remover</b> tenside- and phosphate-free concentrate, non-foaming dosage 10 %, alkaline, pH 10.7 (1 %)	859	£21-	861	£66-	862	£252-	864	£1335-
<i>TR14 Removes: Resinous flux, soldering paste, ionic &amp; non-ionic residues, drilling, grinding, polishing &amp; lapping residues, fingerprints, fat, oil etc.</i> <i>From: Non-ferrous and light metals, steel, stainless steel, glass, ceramics, plastics, rubber, assembled and non-assembled PCB's, soldering frames, electronic components, boards etc</i>								
<b>TICKOPUR R 27*</b> <b>Special cleaner</b> based on phosphoric acid concentrate, intensive dosage 5 %, acid, pH 1.9 (1 %)	815	£36-	816	£120-	817	£544-	826	£2720-
<i>TR27 Removes: Strong mineral residues like lime, silicate, phosphate, cements, as well as rust &amp; coloured fog, metal oxides, grease and oil films etc</i> <i>From: Steel, stainless steel, glass, ceramics, plastics, rubber</i>								

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ULTRASONIC BATHS  
TECH SHEET & PRICE LIST – 2011

**CLEANING SOLUTIONS continued.....**

	Code No.	Price £	Code No.	Price £	Code No.	Price £	Code No.	Price £
	1 Litre		5 Litres		25 Litres		200 Litres	
<b>TICKOPUR R 30</b> <b>Neutral cleaner</b> gentle to material concentrate, with corrosion protection dosage 1 - 5 %, pH 7 (1 %)	810	£21-	811	£66-	812	£252-	814	£1335-
<i>R30 Gently Removes: Light drilling, grinding, polishing &amp; lapping residues, dust, soot, oily &amp; greasy residues</i> <i>From: Metal, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR R 32</b> <b>Special cleaner</b> without complexing agents, concentrate, gentle to material dosage 0.25 - 5 %, mildly alkaline, pH 9.9 (1 %)	828	£21-	832	£66-	834	£252-	842	£1335-
<i>R32 Removes: Distillation residues, organic and inorganic residues, oil &amp; fat containing residues etc.</i> <i>From: Metal, black-finished metal, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR R 33</b> <b>Universal cleaner - EXAM-expertise</b> with corrosion protection, concentrate dosage 1 - 5 %, mildly alkaline, pH 9.9 (1 %)	830	£21-	831	£66-	835	£252-	837	£1335-
<i>OUR MOST POPULAR CLEANING SOLUTION R33 Removes: General soiling, drilling, grinding, polishing &amp; lapping residues, soot, ink, oily &amp; greasy residues</i> <i>From: Metal, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR R 36</b> <b>Special cleaner</b> tenside-free, concentrate, non-foaming, gentle to material, demulsifying dosage 0.25 - 5 %, mildly alkaline, pH 9.9 (1 %)	852	£21-	854	£66-	856	£252-	858	£1335-
<i>R36 Removes: General residues, oil, fat distillation residues, organic and inorganic residues etc.</i> <i>From: Steel, precious &amp; light metals, glass, optical glass, ceramics, plastics</i>								
<b>TICKOPUR R 60*</b> <b>Intensive cleaner</b> phosphate-free, concentrate, saponifying dosage 2 - 20 %, strongly alkaline, pH 12.8 (1 %)	820	£95-	818	£260-				
<i>R60 Removes: Coking residues, resinous residues, soot, pigments, fat, oil, wax, silicone oil, coloured fog, drilling, grinding, polishing and lapping residues etc.</i> <i>From: Steel, stainless steel, glass, ceramics, plastics, rubber</i>								
<b>TICKOPUR RW 77</b> <b>Special cleaner</b> with ammonia, concentrate, phosphate-free, gentle to material dosage 5 %, mildly alkaline, pH 9.9 (1 %)	870	£21-	871	£66-	875	£252-	868	£1335-
<i>RW77 Removes: Resinous residues, soot, pigments, fat, oil, wax, silicone oil, coloured fog, flux, oxides of non-ferrous metal etc.</i> <i>From: Metal, glass, ceramics, plastics, rubber etc</i>								
<b>TICKOPUR J 80 U</b> <b>Deoxidation</b> anti-tarnish, ready for use, cyanide free, gentle to material <b>application only in inset beakers</b> , acid, pH 2	880	£98	881	£260				
<i>J80U Deoxidises: Jewellery, articles of virtue, coins, precious metal parts, brass, copper etc.</i>								
<b>TICKOPUR KS-1</b> Corrosion protection for ferrous metals, concentrate, solvent-free, neutral, pH 7,4 (1%), dosage 0,5–2 %			6012	£66-				
Prices are exclusive of VAT and delivery charge of £15+VAT per order. * Transport regulations for "Dangerous goods" have to be observed.								

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# ULTRASONIC BATHS TECH SHEET & PRICE LIST – 2011



## Which Ultrasonic Cleaning Solution Should I Use?

Use the table below to establish which would be the best Tickopur chemical by looking at the intersecting point by locating your material and your soiling. In most instances, two chemicals are suggested.

If you require any further assistance, please call 01278 458090 or email us at: [info@monmouthscientific.co.uk](mailto:info@monmouthscientific.co.uk)

MATERIAL	Steel	Stainless Steel	Light Metal	Non-Ferrous Metal	Tin, Zinc	Precious Metal	Glass	Lab Glass	Ceramics	Rubber	Plastics	Acrylic Glass
<b>SOILING</b>												
<b>Fat</b>	TR13 R60	TR13 R60	TR7 TR3	TR7 TR3	TR7 R30	TR13 RW77	TR7 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>Oil</b>	TR13 R60	TR13 R60	TR7 TR3	TR7 TR3	TR7 R30	TR13 RW77	TR7 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>Silicon-Oil</b>	TR13 RW77	TR13 RW77	TR7 R30	TR7 RW77	TR7 R30	TR13 RW77	TR7 R30	TR13 R30	TR13 R30	TR13 R30	TR13 RW77	TR13 R30
<b>Lubricants</b>	TR13 R60	TR13 R60	TR7 TR3	TR7 TR3	TR7 R30	TR13 RW77	TR7 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>Resinous Residues</b>	TR13 R60	TR13 R60	TR3 R33	TR3 R33	TR7 R33	TR13 R60	TR7 R33	R60 R33	R60 R33	---	R60 R33	R33 TR13
<b>Wax</b>	TR13 R60	TR13 R60	TR7 R33	TR7 R33	TR7 R33	TR13 R60	TR7 R33	TR13 R60	TR7 R60	TR13 R33	TR13 R60	TR13 R33
<b>Temper Colours</b>	TR27 TR3	TR27 TR3	---	TR3 TR2	TR3 TR2	TR27 TR3	---	---	---	---	---	---
<b>Lime</b>	TR27 TR3	TR27 TR3	TR3 TR2	TR3 TR2	TR3 TR2	TR27 TR3	TR3 TR2	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3
<b>Mineral Residues</b>	TR27 TR3	TR27 TR3	TR3 TR2	TR3 TR2	TR3 TR2	TR27 TR3	TR3 TR2	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3
<b>Oxides</b>	TR27 TR3	TR27 TR3	TR3 TR2	RW77 J80U	TR3 TR2	RW77 J80U	TR3 TR2	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3
<b>Rust</b>	TR27 TR3	TR27 TR3	TR3 TR2	TR3 TR2	TR3 TR2	TR27 TR3	TR3 TR2	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3	TR27 TR3
<b>Drilling, Grinding, Polishing and lapping residues</b>	TR13 TR3	TR13 TR3	R33 TR3	R33 TR3	R33 TR3	TR13 RW77	R33 TR3	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 TR3
<b>Coloured Fog</b>	TR13 R60	TR13 R60	R33 TR7	R33 TR7	R33 TR7	TR13 R60	R33 TR13	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>Pigments</b>	TR13 R33	TR13 R33	R33 TR7	TR3 R33	R33 R30	TR13 R33	R33 TR13	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>Ink</b>	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R30 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7
<b>Flux</b>	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7
<b>Soldering Paste</b>	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7	TR14 TR7
<b>Ash</b>	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7	R33 TR7
<b>Soot</b>	TR13 R33	TR13 R33	R33 R30	R33 R30	R33 R30	TR13 R33	R33 R30	TR13 R33	TR13 R33	R33 TR13	R33 TR13	R33 TR13
<b>Combustion Residues</b>	R60 TR13	R60 TR13	R33 TR3	RW77 TR3	R33 TR3	R60 TR13	R33 TR3	TR13 R33	TR13 R33	R33 TR3	R33 TR3	R33 TR3
<b>Carbonisation Residues</b>	TR13	TR13	R33 TR3	R33 TR3	R33 TR3	TR13	R33 TR3	TR13 R33	TR13 R33	---	---	---
<b>Distillation Residues</b>	R33 R27	R33 R27	R33 TR3	R33 TR3	R33 TR3	R33 R27	R33 TR3	R33 R27	R33 R27	R33 R27	R33 R27	R33 R27
<b>Organic Residues</b>	R33 R27	R33 R27	R33 TR3	R33 TR3	R33 TR3	R33 R27	R33 R30	R33 R27	R33 R27	R33 R27	R33 R27	R33 R27
<b>Inorganic Residues</b>	TR13 R27	TR13 R27	R33 TR3	R33 TR3	R33 TR3	TR13 R27	R33 TR3	TR13 R33	TR13 R33	TR13 R33	TR13 R33	TR13 R33
<b>SOILING</b>												
<b>MATERIAL</b>	Steel	Stainless Steel	Light Metal	Non-Ferrous Metal	Tin, Zinc	Precious Metal	Glass	Lab Glass	Ceramics	Rubber	Plastics	Acrylic Glass

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