

Section U Sterilisation Melag Autoclaves

MELAG®

Renowned for their quality, reliability and ease of use, Melag autoclaves are acknowledged world leaders in sterilising equipment.

MELAG Vakuklav Class B Autoclaves**Vakuklav 23-B and 31-B**

- Highest specification Class B bench top vacuum autoclave conforming to prEN13060/1-4 Fractionated Pre-Vacuum with sub atmospheric pulsing

Simple choice of programs

- Universal Cycle, 134c 2.1 bar, suitable for wrapped and unwrapped instruments and certain hollow items
- Quick Cycle, 134c 2.1 bar, suitable for unwrapped instruments only which are required for rapid re-use. Rapid sterilisation in approx. 15 minutes
- Gentle Cycle, 121c 1.1 bar, suitable for wrapped instruments, textile loads, thermostable plastic and rubber items
- Prion Cycle, 134c 2.1 bar for 20 minutes, recommended for use where contamination by pathologically modified proteins is suspected. Please note that the Melag Prion Program can be modified to suit current known 'Best Practice' principles
- Bowie and Dick Test program. Steam penetration test
- Vacuum Test. Used to check the operational parameters of the autoclave

Chamber size

23-B 45cm x 25cm diam. 22.6 litres (18" x 10")
31-B 35cm x 25cm diam. 18.4 litres (14" x 10")

Dimensions and Weight

23-B, 66 x 43 x 49cm, footprint 46cm, 43kg,
31-B, 60 x 43 x 49cm, footprint 46cm, 43kg

Furniture

- 6 trays with reversible 6/3 rack and handle
- Water quality monitoring program as standard
- User definable
- Installation and 1 service visit included

Melag Type 23-B	£4590.00
Melag 23-B Vacuum Class B Steriliser. 22.6lt chamber. With printer	
Melag Type 31-B	£4590.00
Melag 31-B Vacuum Class B Steriliser. 18.4lt chamber. With printer	
Melawin Software	£402.50
Software for PC/Modem connection	

Melag Euroclav Class S Autoclaves

Class S specification autoclaves with a choice of either vacuum pump or fractionated microprocessor controlled gravity system. Both models comply with prEN13060/1-4 regulations.

- As Vakuklav Class B
- Bowie and Dick test program
- Vacuum program (VS models only)



Type S	
Melag Type 23S	£3445.00
Melag 23S class S steriliser. 22.6lt chamber. Supplied with printer.	
Melag Type 29S	£3445.00
Melag 29S class S steriliser. 18.4lt chamber. Supplied with printer.	

Chamber size

- 23S and 23VS - as Vakuklav 23B
- 29S and 29VS - as Vakuklav 31B

Dimensions and Weight

- 23S and 23VS - as Vakuklav 23B
- 29S and 29VS - as Vakuklav 31B

Furniture

- As Vakuklav Class B



Vacuum Type S	
Melag Type 23V-S	£4245.00
Melag 23S class S steriliser. 22.6lt chamber. Supplied with printer.	
Melag Type 29V-S	£4245.00
Melag 29V-S class S steriliser. 18.4lt chamber. Supplied with printer.	

Melag Type N Autoclaves

- Universal program allowing sterilisation of WRAPPED instruments
- Quick program allowing sterilisation of unwrapped instruments required for immediate use. Cycle time approx 17-21 minutes
- Gentle program allowing sterilisation of temperature sensitive instruments
- Prion program at 134c
- Chamber preheating reduces cycle times and assists post sterilisation drying
- Current autoclave status shown by large 2 line Alpha Numeric digital display.
- Printer and/or computer connectivity software available
- Choice of chamber sizes suitable for most applications

**Cheetah Class Autoclaves**

New uniquely engineered autoclaves offering outstanding performance extremely rapid sterilisation and enhanced simplicity of use.

- Unique auxiliary wrap-round second chamber to reduce non-condensable gases to hospital levels
- Class B compliant
- Class S cycle option
- 13 minute cycle time for wrapped instruments
- 7 minute cycle time for unwrapped instruments
- Detailed documentation via removable flash card



Melag Cheetah Type 13B Vacuquick	£5060.00
Melag Cheetah Type 41B Vacuquick	£6670.00
Melag Cheetah Type 43B Vacuquick	£6670.00

Melag Autoclaves Sterilisation Section U

Programs/Times	EN15	EN17	EN23
Universal S			
Cold start 4kg load	27mins	33mins	38mins
Quick N cycle			
Cold start 4kg load	22mins	26mins	29mins
Gentle N cycle			
Cold start 4kg load	44mins	52mins	59mins
Prion S cycle			
Cold start 4kg load	42mins	48mins	53mins

Technical Data	EN15	EN17	EN23
Dimensions	44 x 33 x 50cm	46 x 35 x 55cm	52 x 38 x 59cm
Chamber	15cm dia x 42cm	18cm dia x 42cm	23cm x 45cm
Capacity	7 litres	11 litres	19 litres
Rack	12 x 2 x 35cm	14 x 2 x 40cm	19 x 2 x 42cm
Trays	3	3	5

Melag Type 15EN	with 3 trays	£1815.00
Melag Type 17EN	with 3 trays	£2159.00
Melag Type 23EN	with 5 trays	£2275.00
MelaPrint 40		£402.50
MelaWin Software		£402.50

**Specifications**

Melag Cheetah Range			
	13-B VacuQuick	41-B VacuQuick	43-B VacuQuick
Chamber	23cmx18cm dia	35cmx25cm dia	45cmx25cm dia
Volume	5.7litre	18.6litres	22.6litres
Load capacity			
Instruments	4.0kg	6.0kg	7kg
Textiles	0.7kg	2.0kg	2.5kg
Dimensions			
Width	35cm	45cm	45cm
Height (inc. display)	38cm	50cm	50cm
Depth	62cm	55cm	68cm
Weight	41kg	58kg	59kg
Power Supply	230v	230v	230v

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Section U Sterilisation Ultrasonic Cleaners

Ultrasonic Cleaners



High quality ultrasonic cleaners providing safe, thorough cleaning of delicate valuable instruments for medical and dental practices.

All ElmaSonic units offer the very best in modern design and ease of use with superior technical benefits and results.

13 different sizes for all applications.

S10	£350.00	S80	£1495.00
S10/H	£428.00	S80/H	£1735.00
S15	£629.00	S100	£1375.00
S15/H	£750.00	S100/H	£1665.00
S30	£715.00	S120	£1759.00
S30/H	£808.00	S120/H	£2145.00
S40	£1025.00	S180	£2029.00
S40/H	£1189.00	S180/H	£2355.00
S60	£1185.00	S300	£2600.00
S60/H	£1395.00	S300/H	£2885.00
S70	£1365.00	S450H	£3720.00
S70/H	£1495.00	S900H	£5720.00

Features and benefits

- User friendly operating panel, water resistant
- Cover reduces noise, accelerates heat up time and doubles-up as a drip basin
- Chamber marked with filling line
- Side knob controls draining of cleaning fluid (certain models only)
- LED display for temperature and time
- Ultrasound Start/Stop switch
- DEGAS function
- Cleaning period for set time or constant
- SWEEP function switch (certain models only)
- Cavitation resistant stainless steel cleaning tanks
- Auto off after 12 hours
- User definable temperature between 30°C and 80°C in 5 degree steps (certain models only)

Technical specifications

		S10/H	S15/H	S30/H	S40/H	S60/H	S70/H	S80/H	S100/H	S120/H	S180/H	S300/H	S450H	S900H
Tank volume max.	litre	0.8	1.75	2.75	4.25	5.75	6.9	9.4	9.5	12.75	18	28	45	90
Tank volume max.	gal (approx.)	0.2	0.5	0.7	1.0	1.5	1.8	2.4	2.5	3.4	4.7	7.4	11.9	23.8
Tank internal dimensions	W x D x H mm	190x85x60	151x137x100	240x137x100	240x137x150	300x151x150	505x137x100	505x137x150	300x240x150	300x240x200	377x300x200	505x300x200	500x300x300	600x500x300
Tank external dimensions	W x D x H mm	206x116x178	175x180x212	300x179x214	300x179x264	355x186x264	568x179x214	568x179x264	365x278x264	365x278x321	390x340x321	568x340x321	615x370x467	715x570x467
Weight	kg (ca.)	2.0	2.1	3.3	4.0	5.1	5.6	6.4	5.9	7.5	8.5	11.0	on request	on request
Ultrasonic frequency	kHz	37	37	37	37	37	37	37	37	37	37	37	37	37
Ultrasonic peak max. **	W	240 **	280 **	320 **	560 **	600 **	600 **	600 **	600 **	800 **	800 **	1200 **	1600 **	3200 **
Heating power	W	0/60	0/60	0/200	0/200	0/400	0/600	0/600	0/600	0/800	0/800	0/1200	1600	2000
Power consumption total	W	30/90	35/95	80/280	140/340	150/550	150/750	150/750	150/550	200/1000	200/1000	300/1500	2000	2800
Sweep		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Degas / Autodegas		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Carrying handles		no	no	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drain duct / diameter	inch	no	no	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"
Order number														
with heating **	220-240 Vac	100 1214	100 2060	100 1955	100 2006	100 2238	100 2140	100 2170	100 2279	100 2825	100 2877	100 3033	100 3908	100 3946
without heating **	220-240 Vac	100 5507	100 4626	100 4631	100 4635	100 4643	100 4650	100 4652	100 4655	100 4658	100 4662	100 4669	-	-
Accessories:														
Basket internal dimensions	W x D x H mm	177x73x25	112x103x55	198x106x55	190x105x80	255x115x80	465x106x55	455x106x80	255x200x80	250x190x120	280x250x120	455x250x120	455x270x154	545x500x250
Basket mesh size	mm	7x1	7x1	7x1	7x1	9x1	9x1	9x1	9x1	9x1	9x1	9x1	9x1	16x1.2
Basket load	kg	1	1	1	3	5	5	5	6	7	8	10	20	30

- 1) The choice of the orn. has been matched to the relevant tank size
 2) Impulse waveform
 3) Standard sine-wave modulation
 4) Units also available with 100-200 Vac (except S450H & S900H)

ElmaSonic

Professional ultrasonic cleaner suitable for the thorough cleaning of medical instruments.

- High capacity sandwich transducer removes even heavy deposits
- Simple digital interface, time remaining shown on display
- 1 minute to 120 minutes continual use
- Ergonomically optimised basket
- Detachable lid doubles up as basket stand
- Splash water protection
- Cable tidy at rear of unit
- Tank volume 0.9 litres
- Weight 1.6kg
- Stainless steel tank
- Basket dimensions 178mm (l) x 80mm (w) x 47mm (h)
- Mesh size 6 x 6mm
- Very quiet in use



T109 ElmaSonic 0.9 litre **£255.00**

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Water Distiller, Sterilisation Pouches Sterilisation Section U

NEW MELAdest 65 Water Distiller

- Extremely cost-effective solution for producing distilled water
- Rapid distillation of tap water
- Autoclave water can be changed at minimum cost, prolonging working life and reducing running costs
- No wastage of distilled water containers
- Minimal electricity consumption
- Water volume 4ltr – output 0.7 ltr per hour
- Plastic container for distilled water collection
- Dimensions 230mm (diameter) x 380mm (h)
- Weight 3kg
- 12 month warranty

- Properties of MELAdest 65 distilled water in comparison to common tap water (average values):

	MELAdest 65	Tap Water
Hardness (dH)	0.02	28.5
Nitrates (mg p/litre)	0.1	32.8
Chlorine (mg p/litre)	0.05	36.2
Phosphate (mg p/litre)	0.02	1.1
Sodium (mg p/litre)	0.07	0.6
Atrazine (mg p/litre)	0.02	18.5
pH (mg p/litre)	5.9	7.5



AWS-MD65 MELAdest 65 water distiller **£230.00**

MELAseal / 100 Pouch Reel Sealer



- MELAseal / 100 sealing machine for heat sealed autoclave pouches and pouch reels
- Perfect seal reduces the risk of contamination
- Clear fronted pouch reels are kept permanently on holder, ready for use
- Seals instrument in pouch and cuts sealed section from reel using easy-sliding cutter carriage
- 10mm sealing seams
- 2 minutes pre-heat from cold
- Standby operation
- Manufactured from high grade stainless steel
- Long-term cost savings over traditional pouch systems (approx 50% less)
- Pouch release handle can be mounted on either side for left or right handed use
- Dimensions 150(h) x 350(w) x 170(d)mm (excluding pouch reel holder and pouch top)
- Weight 3.7 kg

AWS-MS100 MELAseal 100 Pouch Reel Sealer **£378.50**

Pouch reels for MELAseal / 100, clear fronted:

AWS-MSR50	200 metre reel, 50mm wide	£39.10
AWS-MSR75	200 metre reel, 75mm wide	£44.85
AWS-MSR100	200 metre reel, 100mm wide	£55.20

AWS-MSR150	200 metre reel, 150mm wide	£74.75
AWS-MSR200	200 metre reel, 200mm wide	£89.70
AWS-MSR250	200 metre reel, 250mm wide	£112.70

Self-sealing Sterilisation Pouches

AW Sterilisation pouches are available in either self sealing format or for use with the Mela Sealing system or other proprietary sealer.

Both types are clear fronted and manufactured from high quality tear and puncture resistant materials

AWD11110	Self seal pouch 2 1/2" x 4", 60mm x 100mm, pack of 200	£9.90
AWD11110/25	25 x 200	£198.00
AWD11120	Self seal pouch, 3 1/2" x 5 1/2", 90mm x 140mm, pack of 200	£11.00
AWD11120/25	25 x 200	£247.50
AWD11128	Self seal pouch, 3 1/2" x 8", 90mm x 200mm, pack of 200	£12.10
AWD11128/25	25 x 200	£275.00
AWD11130	Self seal pouch, 3 1/2" x 9", 90mm x 230mm, pack of 200	£13.20
AWD11130/25	25 x 200	£302.50

AWD11140	Self seal pouch, 5 1/4" x 10", 135mm x 255mm, pack of 200	£14.30
AWD11140/25	10 x 200	£126.50
AWD11150	Self seal pouch, 7 1/2" x 12", 190mm x 305mm, pack of 200	£24.20
AWD11150/25	10 x 200	£220.00

Heat Sealed Sterilisation Pouches for use with Melaseal

AWD552	Heat sealed pouch, 2" x 10", 50mm x 250mm, pack of 250	£12.10
AWD553	pack of 1000	£44.00
AWD562	Heat sealed pouch, 3" x 10", 75mm x 250mm, pack of 250	£16.50
AWD563	pack of 1000	£60.50
AWD572	Heat sealed pouch, 4" x 10", 100mm x 250mm, pack of 250	£18.70
AWD573	pack of 1000	£72.60

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