

## Different types of Autoclaves

Class B autoclaves must meet the most stringent requirements. They work with a fractionated pre-vacuum and their performance can be compared to that of large hospitals. Suitable for hollow instruments and multiple wrapping.

Class S devices have less performance capability than a B class. They do not operate with a fractionated vacuum but with a simple pre and post vacuum. They are not suitable for complicated hollow instruments or multiple wrapping.

Class N are autoclaves that can be employed for the sterilisation of solid instruments. They are not suited for sterilising wrapped instruments.

**Did you know?** To protect your instruments, all MELAG autoclaves are equipped with both high-performance temperature sensors and an integrated water-quality measurement system. All Melag autoclaves issue warnings before poor-quality water is used.

For more info go to [www.melag.com](http://www.melag.com)

## RAY'S TOP TIPS: THINGS TO CONSIDER WHEN BUYING AN AUTOCLAVE:

### 1. What type of items are you sterilising?

Hollow, porous, cannulated items – you'll need a Class B Autoclave  
Solid instruments – you'll need a Class S Autoclave

### 2. How many sterilisations do you do per week?

This will be a determining factor in your choice of autoclave (i.e. cycle time, size, load of instruments).

### 3. Where are you planning to put your autoclave?

Your available bench space and ventilation are crucial factors

### 4. What does the calibration/installation and validation process entail?

Installation/calibration includes delivery, correct set-up, testing and calibration of the unit.  
Validation ensures your autoclave is certified in line with governing standards.  
Installation and validation will be done at the same time by a qualified technician.

## WHY MELAG??

Ray, our Team Medical Autoclave Specialist on the Melag Range...

Melags are quality Autoclaves.

In my 15 years industry experience I have sold many different brands of autoclaves.

Melag is the only brand I would highly recommend.

I inspected the Melag factory in Berlin and I saw first-hand that the quality starts right there.

In my opinion Melag maintains excellence in all its capabilities.

This distinction gives you the assurance you deserve.

Need more info, give me a call



# The S-Class Autoclave

**MELAG**  
competence in hygiene

The Melag S Class autoclaves offer 4 sterilisation programs and two test programs. The test programs can check and document the function of the autoclave in the medical practice at any time. After selecting and starting the desired program, the modern microprocessor controls and monitors the entire process automatically.

- 4 sterilising programs
- Automatic drying cycle
- Comes with 4 trays
- Stainless steel chamber – easy to clean
- Pre-heating function
- Both closed loop and one-way water systems available
- Printer included



## FAST, COMPACT AND "CLASS S"

The Melag 23VS+ & 29VS+ have the same features as the 23S+ but with Pre and Post Vacuum which creates a vacuum at the beginning of the sterilisation process.

Equipped with a powerful and efficient vacuum pump, a simple pre-vacuum occurs before sterilisation in order to remove air safely from the wrapping and from the interior of the instruments.

All 3 autoclaves are suited for sterilising unwrapped/wrapped solid instruments, simple hollow body instruments (Hollow Body B) and smaller quantities of textiles.

	<b>Euroklav 23VS+</b>	<b>Euroklav 29VS+</b>	<b>Euroklav 23S+</b>
Chamber size	45cm long x Ø 25cm dia	35cm long x Ø 25cm dia	45cm long x Ø 25cm dia
Chamber volume	22 litres	18 litres	22 litres
Loading quantity	4kg instruments 1 kg textiles	3kg instruments 0.8 kg textiles	4kg instruments 1 kg textiles
Dimensions (w x h x d)	42.5 x 48.5 x 66cm feet fit on 60cm benchtop	42.5 x 48.5 x 57cm feet fit on 50cm benchtop	42.5 x 48.5 x 66cm feet fit on 60cm benchtop
Weight	43kg		
Power supply	230V / 50Hz		
Power consumption	3,000 Watt	2,500 Watt	3,000 Watt

**23S+**    BIO10055    **\$5,995**

**23VS+**    BIO10056    **\$6,995**

**29VS+**    BIO10057    **\$5,995**



- 2 Year warranty

**MELAG**  
competence in hygiene

## The Pro-Class

### Vacuklav® 31 B+ and Vacuklav® 23 B+

The Pro-Class are not only distinguished by the patented air cooling of the vacuum pump, but also by their reliability and ease of use. The innovative design of the Vacuklav 23B+ and 31 B+ simultaneously features fast operating times, along with versatility in recording and safety.

The integrated monitoring of the feed water and the electronic control of the Pro-Class Vacuklav avoid operating faults and secure high quality sterilisation and maximum gentleness for your instruments.

The Pro Class autoclaves are not high-speed devices such as the autoclaves of the MELAG Premium Class. But nevertheless as a rule they are considerably faster than other devices on the market. In the quick program, unwrapped instruments such as dental handpieces and contra angles can already be removed after only 15 minutes, including fractionated prevacuum and vacuum-quick drying. Depending on the total load of the autoclave, wrapped instruments are again available for use after 26 to 50 minutes.

All autoclaves of the Pro Class offer five sterilisation programs and two test programs. The test programs can check and document the function of the autoclave in the dental and medical practice at any time. After selecting and starting the desired program, the modern microprocessor controls and monitors the entire process automatically.

The Vacuklav 23B+ & 31B+ models are designed as a "stand alone" class 'B' steriliser and only require a 10amp power supply. Without any further installation the autoclave can be operated using its built-in (clean & dirty) storage tanks.

Automatic fill option can be selected utilising a MELAdem 40 demineralised water system. Automatic draining is optional. Vacuklav is supplied with 5 trays and options of either a standard printer or Data-Logging (paper-less) system recording to a CF Card.

- 2 Year warranty



	Vacuklav 31B+	Vacuklav 23B+
	Stand Alone	Stand Alone
Chamber size	35cm long x Ø 25cm dia	45cm long x Ø 25cm dia
Chamber volume	18 litres	22 litres
Loading quantity	5kg instruments / 1.8kg textiles	7kg instruments / 1.8kg textiles
Dimensions (w x h x d)	42.5 x 48.5 x 57cm feet fit on 50cm benchtop	42.5 x 48.5 x 66cm feet fit on 50cm benchtop
Weight	44kg	48kg
Mains supply	230V / 50Hz / 2,500 W	
Code	BIO10051	BIO10053
Price	<b>\$9,950</b>	<b>\$10,195</b>

For full details on the complete  
MELAG range contact  
customer service or go to  
[www.melag.com](http://www.melag.com)



## The Premium-Plus-Class

Autoclave operation needs to be simple, error-free and fun. The intuitive operation of the autoclave using an extra-large colour-touch-display enables quick program selection, options settings, individualisation of the display colour and much more..

The Vacuklav autoclaves work with a fractionated pre-vacuum and satisfies the requirements of "Class B" - autoclaves. The deep vacuum is created by a very high performance electrical vacuum pump. The deep post-vacuum ensures optimal drying of wrapped materials.

For Premium-Class, the total time for sterilising 5kg of wrapped instruments in the universal program is approx. 25 minutes (including drying). This means up to 50% time saving compared to the majority of other "Class B" autoclaves!

### Vacuklav 40 B+ and Vacuklav 44 B+ Especially high-performance all-rounders.

The robust water ring pump brings especially high-performance, fast processing times. Ideal if the autoclave is located in close proximity to a water supply and outflow and needs to perform many sterilisation cycles in a short time. With its deep interior, the Vacuklav 44 B+ presents a larger chamber volume.



### Vacuklav 41 B+ and Vacuklav 43 B+ "plug and play" technology at its best.

These practical stand-alone autoclaves do not need a water connection, as their membrane pump is cooled by a patented air-cooling system. Just as with the Vacuklav 40 B+ and Vacuklav 44 B+, you can connect a water treatment unit to provide automatic water feed. The internal water container also allows manual refilling of the autoclave with demineralised water.

- All units are supplied with CF card
- Printer is optional
- Includes 6 trays
- 2 Year warranty

	Vacuklav 40B+	Vacuklav 41B+	Vacuklav 43B+	Vacuklav 44B+
	Tap Water connection	Stand Alone	Stand Alone	Tap Water connection
Chamber size	35cm long x Ø 25cm dia		45cm long x Ø 25cm dia	
Chamber volume	18 litres		22 litres	
Loading Quantity	6kg instruments / 2kg textiles		7kg instruments / 2.5kg textiles	
Dimensions (w x h x d)	46 x 50 x 55cm (Height incl display 56cm) feet fit on 50cm benchtop		46 x 50 x 68cm (Height incl display 56cm) feet fit on 60cm benchtop	
Weight	57kg	59kg	66kg	62kg
Mains Supply	220-240V / 50Hz - 60Hz / 3,400 W			
Code	BIO10060	BIO10061	BIO10063	BIO10064
Price	<b>\$11,250</b>	<b>\$12,500</b>	<b>\$12,995</b>	<b>\$12,600</b>

**SPEED  
COMFORT  
DESIGN**





## MELAtronic® 15EN+

Compact, space saving

The MELAtronic® 15EN+ model works with a fractionated, microprocessor-controlled gravity system, which rapidly reduces the content of remaining air and effectively attains saturated steam.

Good drying results can be achieved with the MELAtronic® EN autoclaves. The sterilisation chamber is preheated to a pre-defined temperature by activating the "preheating" function. Condensate build-up is thereby decreased and the water consumption reduced. The "preheating" also supports the drying performance.

According to DIN EN 13060, this autoclave is a Class S steriliser. As a Universal autoclave, it is suitable for the sterilisation of unwrapped or single wrapped solid instruments and simple hollow instruments (hollow body B) and smaller amounts of textiles.

The precise program control of the MELAtronic® EN autoclaves permits four different sterilisation programs. The MELAtronic® has 2 "N" and 2 "S" programs.

1. Universal program (134°C) for "S" wrapped instruments
2. Quick program (134°C) "N" for a small number of quickly required unwrapped instruments. They are already available again after 17-21 minutes.
3. Gentle program (121°C) "N" for temperature-sensitive, unwrapped and wrapped instruments.
4. Prion program (134°C) "S" for wrapped instruments with lengthened exposure time.

BIO10615

**\$4,195** 

Chamber size	38cm long x ø15cm dia
Chamber volume	7 litres
Loading Quantity	2kg instruments
Dimensions (w x h x d)	44 x 33 x 50cm
Weight	19kg
Power Supply	220V / 50Hz
Power Consumption	1,500 Watt

MELAtronic® 15EN+	Universal Program	Gentle Program	Quick Program	Prion Program
Instruments, wrapped	21 min.	35min.		36 min.
Instruments, unwrapped		30 min.	14 min.	
Textiles, wrapped				
Drying Time	32 min.	33 min.	10 min.	33 min.



## The Team Family

Team Medical is a family-run company.

We do business the same way that we live our lives.

That means we share responsibilities, we share success and we have fun!

We are all committed, involved and motivated to do the best.

We believe that this means you get excellent customer service.





## Meladem 40

Water Treatment System

The MELAdem 40 can be directly connected to the Vacuklav® and Euroklav® to automatically feed high quality demineralised water for each sterilisation cycle. You can also use the MELAdem 40 anywhere else for any application requiring good water quality.

The MELAdem 40 Water Treatment System supplies high-quality demineralised water. The MELAjet spray pistol uses the tap water pressure to remove residues after cleaning and disinfecting instruments before sterilisation.

MELAjet offers you two spray selections: the wide-area spray setting for general instrument surfaces, or the concentrated water jet for special cleaning of hard-to-reach instrument parts such as those of hinged Instruments, dental forceps, scissors, needleholders etc.

<b>Meladem 40</b>	BIO01049	<b>\$625</b>
<b>Melajet</b>	BIO27300	<b>\$175</b>

## Pouch rack

Use of the pouch holder considerably enhances the drying process for sterilised items that have been sealed in autoclave pouches. This arrangement prevents water droplets from collecting inside the pouches when they lie flat on a tray. If the packages stand vertically in the holder, the condensed droplets of water quickly flow down and out of the packages. The pouch holders can be stacked: two of them fit into the chamber.



<b>18ltr</b>	BIO22410	<b>\$149</b>
<b>22ltr</b>	BIO22420	<b>\$149</b>

## Trays



<b>18ltr</b>	BIO10280	<b>\$105</b>
<b>22ltr</b>	BIO10280	<b>\$135</b>

## Melacontrol

Helix Test body device according to EN 867-5.

MELAcontrol is a Helix indicator system to be used for "Class B" autoclaves, e.g. for the MELAG autoclaves Premium-Class and Pro-Class. It consists of the MELAcontrol Helix test-body and 250 indicator strips. The Helix simulates the most difficult sterilisation conditions, because it imitates a long, narrow-bore instrument.

BIO1080 **\$235**



## Melaflash

What does MELAflash offer?

The MELAflash system consists of the CF-Card-Printer, the MELAflash CF-Card and the MELAflash Card-Reader.



These three components are used to make the documentation simplified and comfortable. (Suitable for S-Class, Pro-Class and MELAtronic)  
Without any further connection of the autoclave to the practice network or an external printer, the sterilisation records can be very simply saved on a PC.

This way you satisfy the requirements of durable reproducibility of the successful sterilisation in your practice

BIO01039 **\$575**

## Melaprint 42

The MELAprint is ideal for the practice or hospital that needs or wants a direct print-out. MELAprint 42 enters the following data:

- Program selected
- Date, time, current batch number
- Vacuum, pressure and temperature current values
- Confirmation of the successfully completed program and
- Inadmissible deviations, if they have occurred



BIO01042 **\$575**

## Ultrasonic cleaner



The Unisonics FXP range is a single chamber device used to clean surgical instruments and other hardware with sonic energy in a heated water/detergent solution. The FXP series of ultrasonic cleaners are designed for Medical, Dental, Laboratory and where all forms of contamination are lightly deposited. All units incorporate Lateral Oscillation technology for uniform cleaning results. The internal basket system allows the lid to seal the working solution avoiding evaporation and reducing ultrasonic acoustic levels.

- All exterior surfaces are 3mm Palopaque
- Pressed stainless steel tank
- A single tank system with rounded corner reflex design
- Mechanical timer (30 minutes)
- Internal fitted basket
- Sealing lid
- 1 year warranty



Volume	Max Load	Ext. Dimensions (mm)	Chamber size (mm)	Basket size (mm)	Code	Price
<b>3 Ltr</b>	2kg	263L x 162W x 240H	240L x 140W x 100D	210L x 100W x 70D	UNIFXP10M	<b>\$899</b>
<b>5.3 Ltr</b>	5kg	324L x 175W x 277H	295L x 152W x 152D	250L x 110W x 110D	UNIFXP12M	<b>\$1225</b>
<b>10.7Ltr</b>	7kg	324L x 263W x 300H	295L x 240W x 152D	250L x 200W x 110D	UNIFXP14M	<b>\$2265</b>



## Elmasonic S Ultrasonic Cleaning Units

Made in Germany, the Elmasonic S range is the pinnacle in benchtop ultrasonics

- Tap and drain outlet
- Moulded lid acts as a draining tray for the basket
- Filling level mark
- Powerful, efficient cleaning with SWEEP ZONE technology. This optimises the distribution of sound waves, eliminating "dead spots" within the tank. The cleaning result will be the same every time
- User friendly digital controls. LED lights show both the set and remaining cleaning time
- A splash proof control panel and stainless steel outer jacket
- 3 year guarantee. Elma Germany is synonymous with reliability
- Degas function for newly mixed cleaning chemicals. Degas removes the bubble that prevents the ultrasonic process

Model	Volume	Max Load	Ext. Dimensions (mm)	Tank Dimensions (mm)	Basket Dimensions (mm)	Code	Price
<b>S30</b>	<b>2.75 Ltr</b>	1kg	300Wx 179D x 214H	240W x 137D x 100H	198W x 106D x 50H	DALS30	<b>\$1295</b>
<b>S60</b>	<b>5.75 Ltr</b>	5kg	365W x 186D x 264H	300W x 151D x 150H	255W x 115D x 75H	DALS60	<b>\$1980</b>
<b>S70</b>	<b>6.9Ltr</b>	5kg	568W x 263D x 300H	505W x 137D x 100H	465W x 106D x 50H	DALS70	<b>\$2495</b>



## Distilled water



**4 Ltr**  
 BEPDW5LRT  
 Each \$8.45  
 3+ \$7.25

**20 Ltr**  
 BEPDW20LRT  
 Each \$29.50



## Speed-Clean

Speed-Clean is a slightly alkaline, multi-purpose solution used to remove grease and grime from sterilisers



**500ml**  
 MID2039605  
 Each \$34.45

## Autoclave printer paper

Melag	57mm plain	Roll	SPIPAP510	\$5.25
Prestige C3	57mm thermal	Roll	AUTPAP720	\$6.75
Mocom Exacta	76mm	Roll	AUTPAP740	\$6.75
Tuttnauer	2340EK	Roll	AUTPAP760	\$6.75

## Autoclave printer ribbons

Melag	ERC-09	Each	DHTERC09	\$12.85
Prestige C2/C3		Each	SIL600448	\$39.95

## Self-seal autoclave pouches

Film Size	Paper Size	Code				
57 x 105mm	57 x 133mm	BIOMAP008	Box/200	\$17.95	2+	\$13.95
70 x 230mm	70 x 257mm	BIOMAP001	Box/200	\$12.95	2+	\$10.95
90 x 135mm	90 x 162mm	BIOMAP002	Box/200	\$11.85	2+	\$10.25
90 x 230mm	90 x 257mm	BIOMAP003	Box/200	\$15.95	2+	\$14.20
135 x 260mm	135 x 283mm	BIOMAP004	Box/200	\$20.45	2+	\$18.25
190 x 330mm	190 x 358mm	BIOMAP005	Box/200	\$35.50	2+	\$33.25
300 x 352mm	300 x 380mm	BIOMAP006	Box/200	\$59.95	2+	\$54.95



## Autoclave reels

50mm x 200m	BIOAPR050	Roll	\$23.45	2+	\$19.45
75mm x 200m	BIOAPR075	Roll	\$31.85	2+	\$26.35
100mm x 200m	BIOAPR100	Roll	\$41.15	2+	\$37.15
150mm x 200m	BIOAPR150	Roll	\$59.95	2+	\$54.95
200mm x 200m	BIOAPR200	Roll	\$69.95	2+	\$64.95



 **Kimberly-Clark**

## Kinguard® sterile wrap

The standard of excellence for wrapping surgical instrument packages. Kinguard® sterile wrap's strong, four-layered construction is designed to deliver strength, barrier and low lint performance.

30 x 30cm	Ctn/1000	KC68001	\$101.01
43 x 43cm	Ctn/500	KC68011	\$122.58
61 x 61cm	Ctn/500	KC68021	\$179.69
91.6 x 91.6cm	Ctn/150	KC68031	\$122.35
121.5 x 121.5cm	Ctn/100	KC68041	\$144.96
100 x 140cm	Ctn/500	KC68061	\$158.56

For sterilisation monitoring, please go to page 248-253

