

Vacuklav[®] 24 BL+

The “Class B” autoclave
with extra deep chamber.



The compact autoclave for long instruments

In addition to the continuously improving know-how of the medical staff, modern medicine also means the use of high-tech instruments. In order to maintain their function and value, a proper treatment after use is most important. An efficient preparation of the instruments does not only avoid the risks of infection during operations but also guarantees a long durability of these expensive special instruments.

This aspect is particularly important for endoscope instruments that can be sterilized by using steam of a temperature of 121°C or 134°C. With the safe technology of the fractionated pre-vacuum, the new Vacuklav[®] 24 BL+ allows the quick and reliable sterilization of endoscope instruments and accessories of a length of 55 cm in the practice.

Vacuklav[®] 24 BL+ is the big version of the Vacuklav[®] autoclaves that have been approved in thousands of applications for 10 years. Due to their experience gathered in more than 55 years, MELAG has content customers all over the world who trust in the reliability and top performance of the autoclaves produced in Berlin.

Fractionated pre-vacuum – perfect safety

Fractionated pre-vacuum means that the system removes air from the sterilization chamber in a pulsed process of repeated evacuation, alternative with period inflow of steam. This process satisfies the strictest standards for the quality of the sterilization steam. This technique has accordingly represented the standard for hospital sterilizers for years now. More and more treatment that was performed earlier in hospitals, however, now takes place on an outpatient basis. For such treatments, therapists now generally use containers or multiwrapped packages for the sterilized items. Such procedures, however, require autoclaves that are sufficiently powerful and sophisticated. Many autoclaves that operate on the gravitation principle, as extensively used until now in surgeries, have reached the limit of their capability.



Technical data:

Dimensions (D x W x H, cm):	External dimensions: 75 x 42.5 x 48.5cm Internal dimensions: Ø 25 x 60 cm, volume 29 litres Tray: 55 x 19 x 2 cm
Weight:	51 kg
Power supply:	230 V / 50 Hz / 2,500 Watt
Maximum load:	Instruments: 7 kg Textiles: 2.5 kg

Programs*:	Universal	Quick B	Quick S	Gentle	Prion
Sterilization temperature:	134°C	134°C	134°C	121°C	134°C
Sterilization pressure:	2.1 bar	2.1 bar	2.1 bar	1.1 bar	2.1 bar
operating time for 0.5 kg load of instruments**	30 minutes	26 minutes	16 minutes	40 minutes	45 minutes
operating time for 7 kg load of instruments**	35 minutes	30 minutes	20 minutes	45 minutes	50 minutes

* Additionally: Vacuum test and B&D test-program

**All times without drying

Batch control

On the basis of new general conditions of sterilization work – for example, new legislation concerning medical products and infection protection – documentation of sterilization processes has become urgently advisable. The standard EN 867-5 has defined a test receptacle for “Class B” autoclaves that simulates the most difficult requirements placed on the sterilization of long, narrow-bore instruments. MELAG offers its MELAcontrol®PRO system for this testing purpose. It consists of a test unit, the so-called helix, into which the user inserts an indicator strip. After successful sterilization, the user documents the result and archives it for purposes of providing later evidence.



MELAcontrol®PRO

Documentation

In surgeries or hospitals, documentation of sterilization for prevention of infection is crucial to fulfil the state of the art. For the easy and comfortable documentation the Vacuklav®24 BL+ has a built-in serial interface to connect the MELAprint®42 log printer, the MELAflash CF-Card-Printer, the practice PC or the MELAnet Box to integrate the autoclave into the data network.

All sterilization data will be stored or printed out as a proof for an effective and safe sterilization.



MELAnet Box



MELAflash CF-Card-Printer