LABOKLAV
ECO 80 AND ECO 135

Technical specifications

Chamber volume	80 l	135 l
Chamber dimensions (Ø x D)	410 x 610 mm	500 x 660 mm
Outer dimensions (W x H x D)	740 x 915 x 600 mm	840 x 965 x 700 mm
Weight	155 kg	195 kg
Max. allowable pressure (PS)	2,8 bars	2,8 bars
Max. allowable temperature (TS)	143 °C	143 °C
Heating power	3 KW	6 KW
Electrical connection	230 V ~, 50 Hz, 16 A, alternating current	3N 400 V ~, 50 Hz, 16 A
Sterilization temperature	98 – 135 °C, adjustable	98 – 135 °C, adjustable

Maximum comfort at a low price, that is what LABOKLAV ECO series autoclaves stand for. They allow simple laboratory applications such as:

- ♦ Sterilization of liquids in open or slightly closed bottles, also available with an air recooling system
- ♦ Instrument sterilization
- ♦ Waste sterilization at 134 °C (thermal inactivation)
- ♦ Optional exhaust air filtration

The units are available in chamber sizes of 80 l and 135 l and are always configured as free-standing units. A low loading height facilitates loading and optional baskets allow optimal utilisation of the autoclave. The lid is closed effortlessly by a motor in two steps at the press of a button. The chamber can only be opened in safe conditions at the end of the sterilization process.

Steam is generated using demineralized water fed directly into the chamber. This is done by heating the chamber from the exterior with heating elements attached to the floor. This extends the life span of the heating elements and makes the interior easier to clean.

An integrated flexible PT100 reference sensor controls the temperature of the liquid in all liquid programmes and prevents the chamber door from being opened at high media temperatures (thermo locking device in accordance with IEC 61010-2-43). The unit can be equipped with an air recooling system to reduce the cycle times for liquid sterilization.

Configurations

LABOKLAV ECO 80B	basic unit
LABOKLAV ECO 80M	with integrated rapid recooling
LABOKLAV ECO 135B	basic unit
LABOKLAV ECO 135M	with integrated rapid recooling

All processes run automatically and are controlled by a microprocessor. The integrated 4 MB memory allows easy documentation of the cycles. A dot-matrix printer is available as an optional accessory.

Loading capacity for standard laboratory bottles

Volume	Quantity for ECO 80	Quantity for ECO 135
250 ml	84	124
500 ml	28	42
1000 ml	18	30
2000 ml	10	16