

Autoclave - Floor Model (+190°C) Special Purpose

LABEC Brand Autoclaves are designed for steam pressure sterilisation, media preparation, waste destruction etc. Modern styling and materials have been used in the construction to ensure ease of maintenance, operation and user safety. Labec autoclaves are constructed in accordance with Australian Standard 210 and are approved by Department of Labour and Industry of NSW with reciprocal approval by equivalent bodies in all states of Australia.

Construction

The pressure vessel is constructed from 18/8 stainless steel specifically chosen for its corrosion resistance characteristics. The lid and all components exposed to steam are constructed from 18/8 stainless steel. The outer case is 304 grade stainless steel. The lid is counter balanced for ease of opening and seals on a silicone rubber recessed gasket.

Special attention has been given to the lid opening and closing system which can be performed quickly and safely.

Controls

Pressure and temperature is controlled by a digital set point, digital temperature indicating microprocessor controller. A pressure gauge registers chamber pressure. An automatic 0-300hr timer is fitted which commences when the desired temperature is reached and at completion of cycle the heaters are switched off.



Heating

Heating is by immersion elements in the base of the vessel and only a small amount of water is required, resulting in fast heat up times. An electric low water switch will protect the element and turn off power should the water level be below the required level.

The electrical supply required is 20AMP two phase, which may be plugged or hard wired directly to electrical supply. No special plumbing is required but the vents may be plumbed to a suitable drain to avoid steam exhaust in the autoclave location.



SPECIFICATIONS

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Model	AA20-HT
Capacity (litres)	100
Int. Dim. (cm) DiaxD	46 x 60
Ext. Dim. (cm) HxWxD	110 x 80 x 75
Temp. Controller	Digital PID Controller
Temp. Min	Ambient+5°C
Temp. Max	190°C
Temp. Setting Accuracy	+/- 0.1°C
Temp. Fluctuation	+/- 1.0°C
Temp. Sensor	Type K
Heating System	Electric Element
Timer	0-300 hrs/mins/secs
Interior Material	321 Stainless Steel
Exterior Material	Stainless Steel
Baskets (standard)	1
Options	Additional baskets, internal thermocouple, programmable controller, chart recorder, gantry lifting system, castors, rapid heat up time, increased working depth chambers.
Safety Features	Over pressure relief valve, earth leakage breaker (ELB), low water level sensor, two stage interlocking safety door.
Power Supply	Three Phase + Neutral
Power (W)	8000
Weight (kg)	250

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