Email : sales@scilabexport.com
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Product Name :

Gas Autoclave

Product Code :

SLE/LA/04



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Description :

This gas-heated autoclave serves teaching laboratories that run on natural or bottled gas. The aluminium body and lid, each formed without seams, close on a rubber gasket and are pulled airtight with tightening bolts and nuts. A pressure gauge and a double safety valve on the lid allow work at 15 psi over an ordinary gas ring or burner.

Gas autoclave specifications

Parameter	Detail
Body and lid	Aluminium, formed without seams
Working pressure	15 psi
Lid fittings	Pressure gauge and double safety valve
Sealing	Rubber gasket; lid and body made airtight with tightening bolts and nuts
Heat source	Natural gas or bottled gas
Product code	SLE/LA/04
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Gas-heated sterilising practicals

Dilution blanks for a viable-count practical. Fill McCartney bottles with distilled water, loosen the caps and stand them in an autoclave basket above the water. After a hold at 15 psi and full cooling, tighten the caps. The blanks are then ready for a serial dilution of a yeast or bacterial culture.

Running a cycle on a gas ring. Light the burner with a piezo gas lighter, bring the vessel up to 15 psi on a strong flame, then turn the flame down until the gauge holds steady. One student keeps the time while another records the gauge reading at intervals through the hold.

Lid-closing drill on a cold unit. Before the first live run, each student seats the rubber gasket, sets the lid level and tightens the bolts in opposite pairs. A partner checks that the gap between lid and body is even all round before the bolts are released again.

Frequently Asked Questions About the Gas Autoclave

How should the lid bolts be tightened?

Set t…er-
tight…
gask…

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