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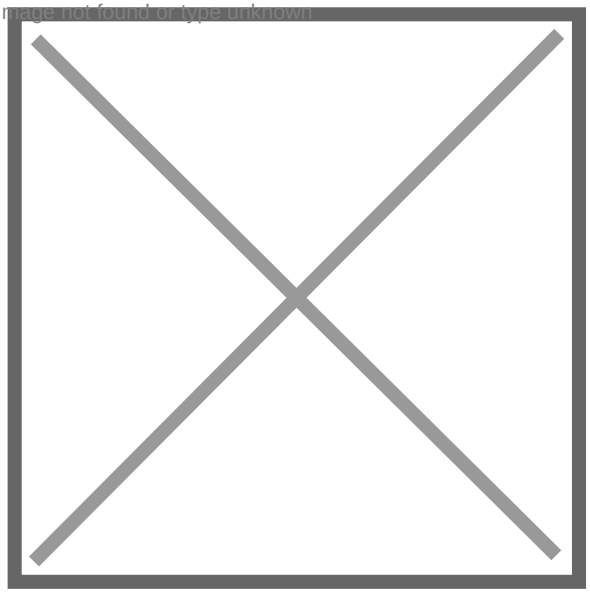
Product Name :

Straight Coolant (Condenser)

Product Code :

SCI-135/040

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Science Lab
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Description :

Straight Coolant (Condenser) (Product Code: SCI-135/040) is a straight Liebig-type glass condenser used to turn hot vapour back into liquid during distillation practicals in school and college chemistry laboratories. It is 480 mm long with a transparent glass body, so students can watch droplets form on the inner tube while cooling water flows through the outer jacket. It ismade by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its ownfactory in Ambala, India, as part of its chemistry lab glassware range.

Specifications

Parameter	Detail
Type	Straight condenser, Liebig type
Material	Glass
Length	480 mm
Colour	Transparent
Chemical resistance	Chemical resistant
Heat resistance	Heat resistant
Product code	SCI-135/040
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Straight Liebig Condenser Used For?

In a simple distillation the condenser is clamped at a gentle downward slope from the side arm of the boiling flask. Cooling water enters at the lower connection and leaves from the upper one, keeping the jacket full, while vapour condenses on the cool inner wall and runs down into a receiver. Teachers use this set-up to recover pure water from a salt solution, to purify a liquid or to show that liquids boil at different temperatures, and the 480 mm length gives the vapour a long cooling path on a standard bench rig.

The same straight condenser can be mounted upright above a flask for simple reflux work, where vapour condenses and drips back so a mixture can be heated for longer without losing solvent. Clamp it near its middle, ease rubber tubing onto the water connections with a little water as lubricant, start the water flow before heating and let the glass cool before dismantling. It is a standard part of distillation apparatus in school and college laboratories across India.

OEM Manufacturer

Jain Scientific Equipments Private Limited trades as ScienceLab and is the OEM (original equipment manufacturer) of this straight condenser. It is produced at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than bought in from a trader, and it goes factory-direct
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