Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Steam Trap (Water Trap)

Product Code :

SLE/CH/76



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Description :

The **Steam Trap (Water Trap)** (Product Code: SLE/CH/76) is a standard component fitted into laboratory glassware set-ups to discharge condensate and non-condensable gases from a steam line. By catching the water that forms as steam cools in the connecting tubing, it keeps the flow of steam to the next vessel steady and stops that vessel from slowly flooding. Chemistry teachers, college demonstrators and research technicians use it when assembling steam distillation trains and similar laboratory distillation apparatus in India. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Key Details

Parameter	Detail
Type	Steam trap, also called a water trap
Purpose	Discharges condensates and non-condensable gases
Used in	Laboratory glassware set-ups that carry steam
Suitable for	Teaching laboratories, college practicals and routine distillation work
Size and connections	Confirmed on enquiry

Typical Use

In steam distillation, steam produced in one flask travels through tubing into a second flask that holds the mixture being separated. Some of that steam condenses on the way, and without a trap the water collects in the distilling flask and dilutes the charge. Placed between the steam source and the distilling flask, the trap separates this condensate, and also lets air and other gases that will not condense leave the line so the steam flow is not interrupted.

Mount the trap at a low point of the steam line so condensate drains into it naturally, keep the connecting tubing short, and empty the collected water between runs. Students should handle it with care once the set-up is hot, because steam burns can occur even when the glass looks clear. Pairing a trap with a Liebig condenser and a two-neck round bottom flask gives a complete, classroom-friendly distillation train.

Manufacturer

ScienceLab is the brand name of **Jain Scientific Equipments Private Limited**, a manufacturer of laboratory and teaching equipment located in Ambala, Haryana, India. Details of the company and its product lines are available on our company profile.

Related Chemistry Lab Equipment

Other parts of a steam or simple distillation train:

- Distillation Apparatus — the core distillation set into which the steam line feeds
- Fractional Distillation Assembly — for separating liquids with closer boiling points
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