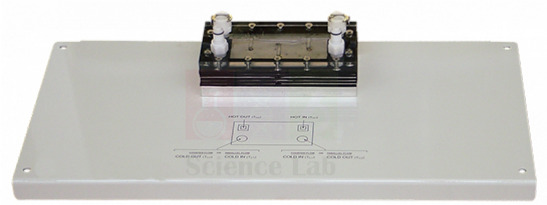
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**Product Name :**

Plate Heat Exchanger

**Product Code :**

SLE/EA/15



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# Description :

**Plate Heat Exchanger** (Product Code: SLE/EA/15) is a gasketed-plate heat exchanger used to teach how compact exchangers pass heat between hot and cold streams flowing on alternate sides of metal plates in engineering laboratories. Students examine how flow disturbers on the plates boost heat transfer and how capacity changes when plates and spacers are added or removed. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of engineering educational equipments in India, at its own factory in Ambala.

## Key Details

| Parameter | Detail |
|---|---|
| Construction | A set of metal plates separated by spacers (gaskets) |
| Plate surface | Flow disturbers on the plate sides to help improve heat transfer |
| Flow path | Holes in the plates and gaskets make the hot and cold flows run on alternate sides of the plates |
| Capacity | Altered simply by adding or removing plates and spacers |
| Footprint | Compact, suited to applications with limited space |
| Product code | SLE/EA/15 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

## What Is the Plate Heat Exchanger Used For?

The plate exchanger works on the same principle as tube types — a metal wall separating hot and cold fluids — but thin plates with flow disturbers pack a large surface into a small volume. Students log the temperatures and flow rates of both streams, calculate the heat transferred and compare the figures with tube-in-tube and shell-and-tube results.

Since capacity depends on the number of plates, instructors can use it to discuss how transfer area sets performance. When the plate pack is opened for inspection or cleaning, reassemble plates and gaskets in their original order so the flows stay on alternate sides. It suits polytechnics buying vocational training lab equipment for courses covering dairy, HVAC or process plants, where plate exchangers are widely used.

## OEM Manufacturer

This Plate Heat Exchanger is produced by Jain Scientific Equipments Private Limited, which trades as ScienceLab and acts as the OEM (original equipment manufacturer), at its own licensed factory in Saha, Ambala, Haryana, India. Because you are dealing with the maker, questions about replacement gaskets or extra plates go straight to the people who assemble the exchanger — ask us and we will advise. Schools of engineering, dealers and importers are all supplied factory-direct; read more on our company profile.

## Rela

Build

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