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

Product Name :

Concentric Tube Heat Exchanger

Product Code :

SLE/EA/16



Science Lab

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Description :

Concentric Tube Heat Exchanger (Product Code: SLE/EA/16) is a tube-in-tube heat exchanger used to show how heat passes from a hot fluid in one tube to a cold fluid in the other in college engineering laboratories. The simplest of the optional heat exchangers, it is built in two equal halves joined by intermediate pipes, giving two extra measurement points at the midpoint. Thislab equipment for technical institutes is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Design	Two tubes, one inside the other (tube-in-tube)
Fluid streams	One tube carries the hot fluid and the other the cold fluid; heat transfers between them
Construction	Two equal parts joined by intermediate pipes
Extra measurement	Two additional measurement points at the midpoint
Position in range	The simplest of the optional heat exchangers
Product code	SLE/EA/16
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Concentric Tube Heat Exchanger Used For?

With readings at the inlets, the outlets and the two midpoint positions, students can plot how the hot and cold fluid temperatures change along the exchanger rather than seeing only the end values. That clearer temperature profile makes it easier to explain the log mean temperature difference and why the rate of heat transfer falls as the two streams approach each other in temperature.

Because the geometry is so simple, this is where many learners first calculate an overall heat transfer coefficient. Colleges planning engineering lab equipment in India for a heat transfer course can start with this unit and add plate and shell-and-tube types later for comparison.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, a registered MSME manufacturer (Udyam UDYAM-HR-01-0003714) and the OEM (original equipment manufacturer) of this Concentric Tube Heat Exchanger. The exchanger is built at the company's own licensed factory at Saha, Ambala, Haryana, India. For overseas orders, export shipments are handled under Importer-Exporter Code AAECJ8618A (DGFT), with quotations coming directly from the manufacturer. Further details are on the ScienceLab profile.

Rela

Items

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