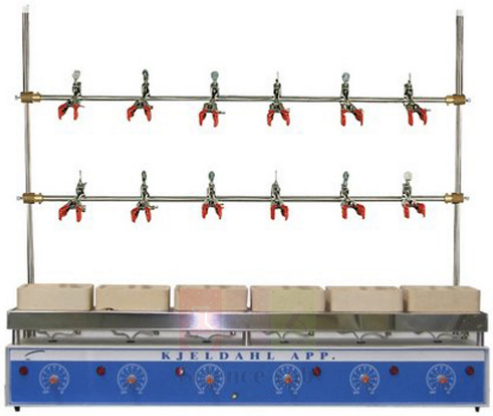
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Product Name :

Kjeldahl Distillation Digestion Unit

Product Code :

SLE/CH/85



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Description :

The **Kjeldahl Distillation Digestion Unit** (Product Code: SLE/CH/85) combines both stages of the Kjeldahl nitrogen method on one stand: a set of mantle-type heating platforms for digestion and a second set for distillation. It is used in agricultural, food, dairy and pharmacy laboratories to determine total nitrogen and, from it, protein content. Offered in 3-test and 6-test versions with an energy regulator for every position, this Kjeldahl digestion unit is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, for colleges and testing laboratories that need laboratory distillation apparatus in India and international markets.

Specifications

Parameter	Detail
Heating platforms	Two sets of mantle-type heating platforms – one for digestion, one for distillation
Versions	3 tests mantle type with 3 energy regulators; 6 tests mantle type with 6 energy regulators
Temperature control	Both units supplied with individual energy regulators
Fittings	Condenser rack, lead fume duct and a pair of hangers
Stand	Mild steel sheet tubular stand
Power supply	220 V AC, 50 Hz, single phase

Typical Use

In the digestion stage, samples such as grain, feed, soil or milk are heated with concentrated sulphuric acid in Kjeldahl flasks on the digestion mantles, converting organic nitrogen into ammonium sulphate while the acid fumes are drawn away through the lead fume duct. The cooled digest is then made alkaline and heated on the distillation mantles, and the released ammonia passes through condensers on the rack into a receiving flask of standard acid, where it is determined by titration. Having both stages on one stand keeps the workflow compact for teaching labs and routine testing.

Choose the 3-test unit for teaching demonstrations and small sample loads, or the 6-test unit when a class or quality-control lab processes several samples in one run. Because each position has its own energy regulator, operators can bring flasks up to temperature gradually and avoid frothing. Run the digestion under good ventilation, let flasks cool before moving them, and connect the unit to a properly earthed 220 V AC supply.

Manufacturer

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited** (CIN U29309HR2020PTC087597), based in Ambala, Haryana, India. The company manufactures laboratory equipment at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). More about the company is on our company profile.

Rela

Glass

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