PRACTICAL

RUGGED

SMART

PROUDLY MADE IN india

LABQUEST BY BOROSIL®

BE VOCAL ABOUT LOCAL

Kjeldahl Distillation

Manufactured in BOROSIL® TECHNOLOGIES

SAFE | SIMPLE | EFFICIENT

DIGESTION SYSTEMS

for Labs

Comfortable and reliable Labquest steam distillation unit designed predominantly

for Kjeldahl analysis

Perform Kjeldahl nitrogen or protein determinations in the Food & Feed industries and several other applications in environmental control, agricultural produce, products, soil industries after having digested the sample accurately in the most cost-effective way

KDI050 is compliant with many official methods of steam distillation for different applications such as the determination of ammoniacal nitrogen, protein determination, nitrogen content (direct or indirect), nitric nitrogen (after reduction/Devarda's Alloy) and alcohol content.

EFFORTLESS USE

- Simple programming and straight forward operation
- Quick start option with favourite method menu

ENERGY SAVING

- Start and stop cooling water automatically during the distillation process with excellent insulation of internal parts.

COMPETENCE

- Robust acid resistant housing
- Compact footprint saves useful laboratory bench space.

SAFETY

- Brilliant supervision of all crucial functions
- Comprehensive built-in safety systems for operator protection

KDI050 is the unique range solution to quantify the nitrogen/protein content with the Kjeldahl method. The automated Kjeldahl analyzer, with premium performance offers the highest sample throughput with increased boiler capacity and is the most productive system available.

Sample analysis requires no monitoring.
The inbuilt N/Protein calculator with extraction of results makes the system versatile like never before

- Automatic dilution, steam, alkali, acid and test tube drain
- Anti corrosive FRP body construction
- 7'' colored touch screen display
- Steam regulation (10-100%)
- Process kill switch to halt the process in case of accidental door opening
- Process resume from stop
- Detachable bottom drip tray for extra protection against acid attack
- Anytime alkali addition during the distillation cycle
- Tube sensor that enables safe operating conditions in event of tube damage
- Reagent refill level sensor to avert reagent dry out
- One point calibration of alkali and distilled water pumps
- Two point calibration for acid pump
- Real time monitoring of process parameters
- SELV protection
- Nitrogen reproducibility ±1 %
- RSD <1%
- LOD of 1-200mg with of ≥0.1mg of Nitrogen
- Nitrogen recovery >99.5%

Technical details

Parameters	KDI050
Tube Capacity (ml)	250ml/ 400ml
Minimum distillation time (mins)	5
Current Consumption (A)	10
Power consumption (W)	1500
Dimension (L X B X H)mm	(480 X 470 X 820)
HSN Code	84198990
Ordering Code	BLFAKDI05000000000

Accessories

Description	Code
KDI Drip Tray ASM	BLA0KDI000DRP0TRAY
Oven Mittes - KDI ASM	BLA0OVM000KDI00000
Polypropylene Aspirator Bottle - 34101 ASM	BLA0ASBPP050034101

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