

SPECIFICATION –For Kjeldahl Nitrogen Analyser :

Distillation time: 3.5 min at 30 mg N (6.5 min at 200 mg N)

Reproducibility: 1% RSD (including the digestion step)

Recovery: > 99.5 % at nitrogen levels between 1 – 200 mg N

Reagent pump volumes: 0 – 150 ml in steps of 10 ml

Delay: 0 – 1800 seconds

Steam addition for equilibrium: 0 – 15 seconds

Power consumption: 2 200 W

Water consumption (during distillation only): 2 l/min at water temp of 30°C, 1 l/min at water temp of 15°C

Corrosion free coloured plastic cabinet.

Variable output steam generator

Water saving system

Cooling water flow control

Distillate temperature monitor

Polypropylene splash head

Polypropylene tube emptying vessel

Bellow pumps for reagent addition /or pump with positive displacement.

20L reagent tanks fitted with proper capping and reagent sensors.

Reagent sensors for Water/Alkali/Waste

Automatic alkali addition

Suitable chiller for cold water and suitable voltage stabiliser may be offered as optional.

Block digester (as per below specification) with all the accessories and catalyst tablets.

Number of samples: 08

Temperature range : 100 to 440 degree C

Temperature setting repeatability : 1 degree C

Temperature readout : digital

Over temperature protection

Time setting per step : 1 - 1199 min

Scrubber to neutralise fumes: It should not need running tap water during digestion.
