

MICRO KJELDAHL DISTILLATION UNIT



EST-MK-418 ESTEEM MICRO KJELDAHL UNIT (DIGESTION)

Esteem Kjeldahl Digestion Units are designed for laboratories that require separate digestion stations. Six-Place Digestion Units provide fume-free operation by drawing fumes through the manifold with either a blower exhaust or a water ejector system. The Two-Place Digestion Unit offers the same rugged construction as larger Kjeldahl models, plus it is compact and may be placed inside a fume hood.

Made of M.S. Sheet duly powder coated with six individually controlled recesses containing flexible and elastic heating elements capable of taking flasks from 18 to 100ML. The built in energy regulators is controlling temperature individually upto 250°C. The unit is fitted with clamps and arms either to accept a glass fume tube or lead coated fume tubes.

Total power 600 watt on 230 Volt main supply.

The equipment has a very heavy casted top made of high grade stainless steel block of grade SS-

304 with room for heating 40 digestion tubes made of highly energy efficient borosilicate glass of 75 ml each. The suitable value heating element are made of high grade kanthal A-I non magnetic wire. These heaters are strategically placed throughout the chamber for uniform temperature distribution through the chamber. The outer casing of the equipment is made of thick PCRC sheet duly pre treated with primers for rust proofing and painted with attractive stove enamel paint or powder coated. The 75mm gap between the two walls is filled with mineral wool to have minimal thermal loss and maximum energy efficiency.

Temperature Range :

Temperature Range : 50°C to 350°C

Temperature Control :

Temperature is controlled through electronic solid state temperature controller cum indicator or micro processor based digital temperature controller cum indicator.

Temperature Sensitivity:

The temperature is controlled with an efficiency of + 2% (Set Value).

Control Panel:

The control panel is fitted at the side of the equipment, it comprises of mains on/off switch, neon power indicator light, heater on/off indicator light, digital temperature controller cum indicator.

EST-MK-419 ESTEEM MICRO KJELDHAL DISTILLATION ASSEMBLY

The kjeldhal distillation assembly is made of MS duly Powder Coated with six individually controlled recesses containing flexible and elastic heaters (Heating Mantles). Capable of taking flasks from 25 ml to 100 ml. The built in energy regulators control temperature individually upto 250°C. The assembly consist of a stand Heating unit and distillation manifold with folding type stand.

Total power 600 Watt on 230 Volts main supply.

