

Combination Open Kjeldahl Apparatus



Open Combination and Hooded Combination Kjeldahl units have digestion and distillation components for nitrogen determination in one space-saving apparatus.

Open Combination Kjeldahl units are supported by a sturdy, tubular steel framework, with the distillation apparatus mounted above the digestion portion. Models are available with the capacity to digest and distill up to 12 samples at a time (Six-Place Open Combination Kjeldahl unit shown).

Hooded Combination Kjeldahl units enclose the distillation and digestion apparatus so that process heat may be contained and vented from the laboratory. The hood surrounding the apparatus includes three collars: one for remotely-located acid exhaust blower connection, one for hood heat exhaust blower connection, and one for auxiliary-air blower inlet connection. Models are available that digest and distill up to 18 samples at one time. Kjeldahl units require a remote blower to exhaust fumes.

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Ярославль (4852)69-52-93

apparatus mounted above the digestion portion.

Additional Features & Specifications

Features

- Distillation manifold with seamless stainless steel tubing. No fittings or gaskets are required eliminating a potential leak source.
- Counterflow heat exchanger controls back pressure and maximizes the rate of distillation for uniformity of results.
- Remote-control flow valve allows cooling water volume adjustment.
- Easy-to-read temperature gauge located on the water outlet
- One-piece borosilicate glass connecting bulbs separate liquid from vapors prior to the vapors entering the condenser and effectively traps caustic mist that may carry over to the recovery solution.
- One-piece borosilicate glass delivery tubes with long necks, round bottoms and thick walls to help eliminate pressure fluctuations in the distillation phase.
- Electric distillation and digestion heaters with curved ceramic bases to cradle 500 or 800 ml Kjeldahl digestion flasks.
- Individual infinite-control knobs for electric heaters with variable input from 20-100% capacity
- Chemical-resistant CPVC fume manifold with heat-resistant PTFE nipples that draw chemical fumes from the digestion flasks.
- Full one year warranty

Options

- Open Combination Units in 6-place and 12-place models

- Hooded Combination Units in 6-place, 12-place and 18-place models. Hooded models feature epoxy-coated steel construction reinforced with tubular steel and tempered safety glass, horizontal-sliding sashes. Three collars: one for remotely-located acid exhaust blower connection, one for hood heat exhaust blower connection, and one for auxiliary-air blower inlet connection.
- Various electrical configurations

Required Accessories

- Kjeldahl digestion flasks
- Remote exhaust blower
- Ductwork

Optional Accessories

- Auxiliary-air blower (Hooded models only)
- Laboratory Carts and Benches

[Twelve-Place Open Combination Kjeldahl Digestion/Distillation Apparatus](#)



Catalog # 2123312

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical Macro Kjeldahl

Purpose: Combination Kjeldahl Digestion and Distillation

Required Accessories: Kjeldahl flasks, PVC Remote Acid Exhaust Blower

[Twelve-Place Open Combination](#)

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Catalog # 2123313

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical Macro Kjeldahl

Purpose: Combination Kjeldahl Digestion and Distillation

Required Accessories: Kjeldahl flasks, PVC Remote Acid Exhaust Blower

[Six-Place Open Combination](#)



Catalog # 2123315

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks, PVC Remote Acid Exhaust
Blower

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123212

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks, PVC Remote Acid Exhaust
Blower

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123215

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks, PVC Remote Acid Exhaust
Blower



Catalog # 2123211

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks, PVC Remote Acid Exhaust
Blower

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123213

Kjeldahl Digestion Fume Removal

Method: Remote Blower Exhaust

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks, PVC Remote Acid Exhaust
Blower

[Twelve-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus with Water Ejector](#)



Catalog # 2123702

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks

[Twelve Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus with Water Ejector](#)



Catalog # 2123703

Product Subcategory: Classical
Macro Kjeldahl

Purpose: Combination Kjeldahl
Digestion and Distillation

Required Accessories: Kjeldahl
flasks

[Twelve-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123302

[Twelve-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123303

[Twelve-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123305

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123201

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123202

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123203

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus](#)



Catalog # 2123205

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus with Water Ejector](#)



Catalog # 2123601

[Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus with Water Ejector](#)



Catalog # 2123602

Macro Kjeldahl

Purpose: Combination Kjeldahl

Digestion and Distillation

Required Accessories: Kjeldahl
flasks

Macro Kjeldahl

Purpose: Combination Kjeldahl

Digestion and Distillation

Required Accessories: Kjeldahl
flasks

Six-Place Open Combination
Kjeldahl Digestion/Distillation
Apparatus with Water Ejector



Catalog # 2123603

Product Subcategory: Classical

Macro Kjeldahl

Purpose: Combination Kjeldahl

Digestion and Distillation

Required Accessories: Kjeldahl
flasks

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