

Automatic Steam Distillation Unit

- User friendly, made operation more comfortable.
- Anti-corrosion materials used for the construction of the equipment.
- Fully automated operation. Self priming of acid input, alkali input, distillation, filtration, result calculation and print-out of results automatically.
- Titration method complies with AOAC, EPA, Din & ISO Standard.
- Fully sealed design no leakage in the distillation process.
- Distillation and filtration can be carried out consecutively, these two steps can be completed at one time to save time.



Specification of Automatic Steam Distillation Unit

| Model | ST-KJ9860 |
|--------------------------------------|---------------------------|
| Measuring Range | 0.1 ~ 200mg Nitrogen |
| Nitrogen Recovery | > 99.5% |
| Distillation Speed | < 8 minutes per sample |
| Repeatability | ± 0.5% (CV) |
| Volume of Sample | Solid < 5g; liquid < 15ml |
| Recycling Rate | 100 ± 0.5% |
| Coolant Water Consumption | 1.5L/ min (90L/ hour) |
| Steam Generator Reservoir Capacity | 5L |
| NaOH Reservoir Capacity | 3L |
| Boric Acid Reservoir Capacity | 3L |
| Titration Reagent Reservoir Capacity | 1L |
| Power | 220V/ 50Hz, 1500W |
| Dimension (mm) | 680 x 500 x 350 |
| Weight | 25kg |

Kjeldahl Digestion System

- Block digester.
- Microprocessor electronics controller.
- Three programmable temperature ramps, programmable time mode selection, and displaying mode selection.
- Each system comprising of the controller, heating block, support rack, fume collector and water aspirator.



ST-DX20



ST-DX8



ST-DX12

Specification of Kjeldahl Digestion System

| Model | ST-DX08 | ST-DX12 | ST-DX20 | ST-DXM40 |
|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| Capacity | 8 | 12 | 20 | 40 |
| Volume | 300ml | 300ml | 300ml | 100ml |
| Quantity of Sample | Solid | < 5g | | |
| | Liquid | < 25ml | < 25ml | < 25ml |
| Temperature Range | 50 ~ 450°C | | | |
| Heat Up Time | Approx. 35 min | | | |
| Safety Over Temperature Shut Down | Yes | | | |
| Other Irregular Parameters | Yes | | | |
| Temperature Drift | 100°C | ± 2°C | | |
| | 450°C | ± 5°C | | |
| Dimension (L x D x H) mm | 500 x 400 x 160 | 500 x 450 x 160 | 500 x 500 x 160 | 500 x 450 x 160 |
| Power | 1200W | 1800W | 2400W | 2400W |
| Voltage | 220V 50Hz | | | |
| Weight | 15kg | 18kg | 20kg | 25kg |