

LYOTRAP FREEZE DRYERS

Lyotrap-Plus

The Lyotrap-Plus is a highly versatile laboratory sized freeze-dryer, ideal for the following applications:

Pharmaceutical experiments
Life science
Forensics
Pathological specimens
Small zoological specimens
Plant tissue

The Lyotrap-Plus has an independent refrigerated process chamber just like larger production machines. This enables material to be frozen in the machine and the material temperature can be controlled while it dries. The separate, low temperature condenser chamber can collect up to 4 kilos of ice. The temperature controlled process chamber can also be heated to a maximum of 50°C. Heated shelves are also available as an optional extra as is a vial stoppering device.

The process chamber measures:
300mm diameter x 370mm deep



Features on the Lyotrap-Plus include:

316 grade stainless steel chambers
Powerful, hermetic non-CFC refrigeration system
-55°C (nominal) condenser chamber
Microprocessor control for refrigeration, vacuum pump, heating and de-frost
LCD vacuum and temperature displays
4 mobile probes in process chamber for product temperature sampling
Ability to be monitored and controlled via a PC and print out detailed report (optional)

A suitably sized two stage vacuum pump is required

Lyotrap

Designed primarily as a freeze dryer when used with an acrylic process chamber or manifold and a vacuum pump, the Lyotrap is equally suited to other laboratory and industrial vacuum applications.

Freeze drying of flasks, bottles, and vials
Vacuum distillation
Solvent recovery
Vacuum pump protection

Features include:

316 grade stainless steel chamber

Powerful, hermetic non-CFC refrigeration system operating at -50°C

Electric de-frost system

Microprocessor control

LCD vacuum and temperature displays

Mini-Lyotrap

The Mini-Lyotrap is an economically priced freeze-dryer when used with an acrylic process chamber or manifold and vacuum pump. It is also suitable for other vacuum and industrial applications.

Freeze drying of flasks, bottles, and vials

Vacuum distillation

Solvent recovery

Vacuum ovens

Vacuum pump protection

The Mini-Lyotrap features include:

316 grade stainless steel chamber

**Hermetic non-CFC refrigeration system
operating at -50°C**

Simple control