



Easy to install, Cryosectioning system for RMC MT-990 and Microm Rotary Microtomes

The ideal tool for:

- ◆ Semi thin and standard thick sectioning at cryogenic temperatures for Optical and FTIR transmission microscopy applications.
- ◆ Cryo-planing sample surfaces for Atomic Force and Scanning Electron Microscopy

Use with:

- ◆ Glass or Diamond Knives to cut sections of thin plastic films, foils and paper samples down to 0.25 microns.
- ◆ The cryo wet sectioning technique for stress free polymer sections and easy pick up
- ◆ Histo Diamond or Glass Knives for biological samples

FEATURES

- ◆ Compact controller fits conveniently on top of MT-990 controller
- ◆ Precision microprocessor temperature control from ambient to -140°C
- ◆ Four user-adjustable temperature programs
- ◆ Efficient cryogenic design with lowest LN2 consumption
- ◆ Quick set-up and conversion back to room temperature microtomy
- ◆ 9 liter Dewar fits on table-top, yet provides LN2 for a whole day's use
- ◆ Supplied with a complete set of accessories

SPECIFICATIONS

Temperature	Ambient to -140°C
Compatibility	RMC MT-990 and Microm Rotary Microtomes
LN₂ Delivery System	Compact 9 liter dewar Efficient, non-contact transfer line Consumption one liter per hour Automatic filling system by means of a non-pressurized displaced pump
Knife Holder	External knife rotation control knob + 16° Lateral knife adjustment 40mm Knife clearance angle adjustment 0-10°
Control Unit	Microprocessor control with 4 user-adjustable programs for knife and specimen temperatures Independent temperature control of knife and specimen with LED indication
Cryochamber	Large open design for easy access to specimen Vertical stroke of 40mm Transparent cryochamber cover with large sample access window prevents frost within chamber
Dimensions	Interior Chamber - H: 100mm, X W: 175mm, X D: 145mm Exterior Chamber - H: 130mm, X W: 220mm, X D: 190mm
Power Requirements	100/110/120/220/240/ VAC, 50/60 Hz
Ordering Information	Catalog # 79802 Includes: Cryochamber and Controller Knife Holders for Tungsten Carbide Blades Knife Holders for Glass and Diamond Knives Specimen Holder LN ₂ Transfer Line, LN ₂ Pump and LN ₂ dewar Interconnect and Power Cables Accessory Box - Cryotools Instruction Manual