

2001 Solid State Freezer Cooling Stage & Water Chiller



Introduction

For some sectioning work it is necessary to cool a specimen below room temperature. The Bright Solid-State Freezer incorporates a Peltier device cooling stage to freeze samples to -25°C and lower under permissive conditions.

This fits to the microtome in place of the normal specimen holder and uses a water inlet / outlet to efficiently dissipate heat. The control unit also has a built-in safety device, which detects low water flow. After sectioning, the specimen is quick and easy to remove.

The equipment consists of a control unit and a cooling stage, with the cooling stage available in 40mm x 40mm. Primarily designed for use with the Bright 8000 base sledge microtomes, the Solid-State Freezer may be used with other rotary and sledge microtomes.



Features and Benefits

- Temperature control to -25°C
- Easy to use
- Quick and easy removal of specimen
- Low water pressure detector
- Standard accessories include:
 - Cryo-M-Bed, Cryospray 134, spare set of fuses, operating manual



2001 Solid State Freezer

Order List 2025

Code	Description
SOLID STATE FREEZER WITH PELTIER DEVICE	
53024-01	<p>Solid State Freezer for 220/240V AC, 50/60Hz</p> <p>Complete with:</p> <ul style="list-style-type: none">• Freezing to -25°C• 40 x 40mm stage.• Temperature control• Safety cut-out to detect low water pressure. <p>Standard accessories include:</p> <ul style="list-style-type: none">• Cooling block removal tool.• Operating manual.• Spare set of fuses.• Allen Key.• Cryo-M-Bed embedding compound
53024-02	<p>Solid State Freezer for 110/115V AC, 50/60Hz</p> <p>Same features & accessories as 53024-01</p>
200-012	<p>Solid State Filters</p>
244-001	<p>Cooling Water Re-circulator (for Solid State Freezer (240v 50/60Hz only)).</p> <p>Removes the reliance on close proximity to a sink and water supply while preventing water loss and is subsequently environmentally friendly.</p>
51460-1	<p>Knife raising block, one pair. (Note: Item required if ordering 8000 Sledge with Solid State Freezer).</p>

•Specifications:

•Cooling Power

•21 watts

•Lowest Temperature

•-32°C

•Cooling Rate (from switch on)

•Reaches -20°C after approx 55 seconds

•Control Unit Dimensions

•260 x 145 x 230mm

•Stage Dimensions (30 x 30mm)

•54 x 54 x 24mm

•Stage Dimensions (40 x 40mm)

•63 x 63 x 24mm

•Net Weight

•10kg

•Gross Weight

•15kg

•Shipping Volume

•0.158m³

•Packing Dimensions

•H580 x D680 x W400mm

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*Included in standard order | **Not included in overseas orders. VAT not included - E & OE
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