

# Multi-Cool® Bath

## Overview

- ▶ Temperatures from -80°C to +100°C
- ▶ ± 0.1°C control stability
- ▶ Four and eight-liter bath sizes

## Benefits

- ▶ Eliminates the cost and potential hazards associated with dry ice and liquid nitrogen
- ▶ Increases temperature uniformity and improves stability
- ▶ Saves space and provides easy bath access
- ▶ Allows control and data collection from a remote location

### **Fluid Selection Facts**

*For best pumping or stirring results, choose a fluid medium with a kinematic viscosity of 20 centistokes or less over the full operating temperature range. Remember, the heat exchanger in the recirculating cooler may be several degrees colder than your process.*



Call **800-824-0400**  
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***Mechanically refrigerated benchtop bath eliminates the need for dry ice and LN<sub>2</sub>***



## Multi-Cool® features at a glance

- Mechanically refrigerated
- Built-in magnetic stirrer with variable speed control
- Benchtop design with low profile
- RS232 interface

Charpy Rack



## Applications

- Charpy impact testing
- Controlled-temperature reactions
- Biological slide freezing
- Pour-point determinations
- ASTM plastic and metal tests
- Tissue freezing
- Viscosity studies

# Multi-Cool® Bath

## Model Specifications

		MC480	MC880
<b>Heat removal</b> (watts/BTUs)	+20 C	240/815	240/815
	0 C	220/750	220/750
	-20 C	170/580	170/580
	-40 C	150/510	150/510
	-60 C	110/375	110/375
<b>Temperature range °C</b>		-80 to +100	-80 to +100
<b>Bath volume</b>	liters	4	8
<b>Chamber dimensions<sup>1</sup></b> (diameter x depth)	inches	6.5 x 7.25	7.75 x 9
	cm	16.5 x 18.4	19.7 x 22.9
<b>Compressor</b>		Two@1/4hp	Two@1/4hp
<b>Controls<sup>2</sup></b>	standard	On/Off	On/Off
	option	Digital/RS232	Digital/RS232
<b>Indication(C°)</b>	standard	-	-
	option	0.1 with digital	0.1 with digital
<b>Dimension w x d x h</b>	inches	19 x 24 x 13	19 x 24 x 13
	cm	48.3 x 61 x 33	48.3 x 61 x 33
<b>Weight</b>	lbs/kg	85/39	90/41
<b>Electrical<sup>3</sup></b>		120V/60Hz/7A	120V/60Hz/7A

1. Stirrer assembly reduces chamber depth by 0.75 inches (18mm) in cylindrical chambers.
2. +100°C capability with digital control and refrigeration OFF.
3. 220V/50Hz also available. Decreases heat removal by 17%.

## Accessories

	Model	Description
<b>Charpy racks</b>		
Facilitate the transfer of specimens to testing machines	CRA-4	For 4L chamber, holds 65 specimens
	CRA-8	For 8L chamber, holds 91 specimens



*Committed to Product Excellence...and Continuous Support*

### SP Industries

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