

# Circulating Temperature Baths

A quick selection reference guide

**NEW** series of temperature bath systems combine state-of-the-art controller displays with high performance circulating baths to give you the ultimate control over your sample measurements.

Choosing the right model is easy:

- Choose the **controller** by considering factors such as the need for PC control using Rheocalc with DV-II+Pro or DV-III Ultra, ease of use, pump speed, and foreign language choices (AP series controller only).
- Determine the type of circulating **bath** needed by considering temperature range, cooling requirements, reservoir capacity, flow speeds and built-in drains (Models TC-550 and TC-650). Consult the chart on the reverse side for specifications.



Shown: TC-150MX

## Controller Choices at a Glance



### MX Series Controllers

- Economical
- Large character display
- Single-speed pump
- Maximum temperature up to 135°C



### SD Series Controllers

- Best value
- Programmable with PC control using Rheocalc software
- Quick scroll to set temperature in standalone mode
- 2-speed pump
- Maximum temperature up to 170°C



### AP Series Controllers

- Total color touch-screen interface
- Standalone programmable or PC control with Rheocalc software
- Variable-speed pump
- Max. temperature up to 200°C
- Multiple languages (English, French, German, Spanish, Chinese available)
- Built-in help menu

## Bath Choices at a Glance



TC-150 series



TC-250 series



TC-550 series



TC-650 series

PC control capable with Rheocalc software.

### QUICK HELPFUL HINTS:

#### *Already familiar with Brookfield baths and controllers?*

Choosing a new **bath** should be easy. For example, the best choice for a TC-102 replacement would be the TC-150 series while users of the TC-602 should consider the TC-650 series

Users of our previous digital series **controllers** should consider the SD as the most direct replacement with the added benefit of PC control using Rheocalc software. The MX is an economical choice which does not have PC control capability. Users of our previous programmable controllers should consider both the new SD and AP series.

#### *New to Brookfield baths and controllers?*

Additional information can be found on Brookfield's website: [www.brookfieldengineering.com](http://www.brookfieldengineering.com) or call us at 800-628-8139 (North America) or 508-946-6200 to talk with a customer service representative.

### Temperature Baths Features configured with each Controller option

MODEL	Temperature Range Low	Temperature Range High	Controller	Cooling	Temperature Stability†	Digital Readout Accuracy	Reservoir Capacity	Pump Speed	Maximum Flow Rate	Internal Work Area D <sub>W</sub> W <sub>H</sub> (cm)	Overall Dimensions D <sub>W</sub> W <sub>H</sub> (cm)	Weight (Gross)
TC-650AP	-20°C	+200°C	AP	Refrigerated	0.01°C	Touch Screen	7.0 liters	Variable	16 LPM	15.7 x 14.2 x 12.7	54 x 22 x 62	41 kg
TC-650SD	-20°C	+170°C	SD	Refrigerated	0.04°C	LCD/Scroll Touch	7.0 liters	2-speed	11 LPM	15.7 x 14.2 x 12.7	54 x 22 x 62	41 kg
TC-650MX	-20°C	+135°C	MX	Refrigerated	0.07°C	LCD	7.0 liters	1-speed	12 LPM	15.7 x 14.2 x 12.7	54 x 22 x 62	38 kg
TC-550AP	-20°C	+200°C	AP	Refrigerated	0.01°C	Touch Screen	7.0 liters	Variable	16 LPM	15.7 x 14.2 x 12.7	58.9 x 41.1 x 41.1	41 kg
TC-550SD	-20°C	+170°C	SD	Refrigerated	0.04°C	LCD/Scroll Touch	7.0 liters	2-speed	11 LPM	15.7 x 14.2 x 12.7	58.9 x 41.1 x 41.1	41 kg
TC-550MX	-20°C	+135°C	MX	Refrigerated	0.07°C	LCD	7.0 liters	1-speed	12 LPM	15.7 x 14.2 x 12.7	58.9 x 41.1 x 41.1	38 kg
TC-250AP*	-20°C	+150°C	AP	Tap Water	0.01°C	Touch Screen	10.0 liters	Variable	16 LPM	12.7 x 28 x 15.2	35.3 x 34.3 x 38	20 kg
TC-250SD*	-20°C	+150°C	SD	Tap Water	0.04°C	LCD/Scroll Touch	10.0 liters	2-speed	11 LPM	12.7 x 28 x 15.2	35.3 x 34.3 x 38	20 kg
TC-250MX*	-20°C	+135°C	MX	Tap Water	0.07°C	LCD	10.0 liters	1-speed	12 LPM	12.7 x 28 x 15.2	35.3 x 34.3 x 38	18 kg
TC-150AP*	-20°C	+150°C	AP	Tap Water	0.01°C	Touch Screen	6.0 liters	Variable	16 LPM	11.4 x 10.1 x 15.2	34 x 20 x 38	12 kg
TC-150SD*	-20°C	+150°C	SD	Tap Water	0.04°C	LCD/Scroll Touch	6.0 liters	2-speed	11 LPM	11.4 x 10.1 x 15.2	34 x 20 x 38	12 kg
TC-150MX*	-20°C	+135°C	MX	Tap Water	0.07°C	LCD	6.0 liters	1-speed	12 LPM	11.4 x 10.1 x 15.2	34 x 20 x 38	9 kg
TC-351	-20°C	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	33 kg

\* For use at lower temperatures, use the built-in tap water cooling, or use model TC-351 Cooler for control to -20°C. Low temperature range without cooling will be 10°C above ambient.

FOR OPERATING TEMPERATURES HIGHER THAN 80°C, PLEASE CONTACT BROOKFIELD FOR BATH FLUID RECOMMENDATIONS.

N/A - Not Applicable

† Temperature stability may vary depending on bath volume, surface area, insulation and type of fluid



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