TEMPERATURE CIRCULATING BATHS

Accurate temperature control during viscosity measurements is essential for reliable and repeatable results. It also allows the determination of product behaviour to be evaluated. All Sheen water baths are fitted with an insulated stainless steel tank for sample heating or cooling and a circulation pump with adjustable flow rate to suit a variety of external temperature control applications, e.g. connection to Autovisc or similar water jacket.

3 models available:
- Tempmaster 100: from ambient + 5° to 100°C
- Tempmaster 200: from ambient + 5° to 200°C
- Tempmaster -10: from -10° to 100°C

SAFETY STANDARD	
DIN	: 12879-2

TEMPmaster 100 or 200

Tempmaster with optional tank lid, shown with Viscomaster (see page 9).

This microprocessor controlled water bath offers high performance, long-term stability and flexibility.
The touch responsive keyboard allows easy configuration of operating parameters.
Supplied with a 12-litre double-walled stainless steel tank (AISI 304 for external container, AISI 310 for inner tank).

Features
- Temperature range from ambient + 5° to 100° or 200°C
- Maximum and minimum temperature limit setting
- Display in C° or F°, Pt100 sensor, resolution 0.1°C
- Cooling coil for ambient temperature controlled using tap water
- Circulation pump with adjustable flow rate
- Incoloy stainless steel heating element resistant to high temperature & corrosion
- All parts in contact with liquid made of stainless steel
- Safety according to DIN 12879-2 : over temperature alarm with manual reset, power failure alarm, low liquid level indicator
- RS232 interface for computer control or data ouput
- Calibration facility
- Minimum tank depth: 14 cm
- Clamp and finger screw fixtures, 1 m hose
- 12-litre tank dimensions H x W x D (cm): inner 15x30x31, ext. 20x37x35
- 230 V - 50 Hz (110 V - 60 Hz on request).

TEMPmaster -10

This cooling & heating circulation unit is useful to achieve sub-ambient test temperatures to max. -10°, and to heat up to 100°C.
It benefits the same general features as of the Tempmaster 200, including:

Features
- Maximum volume capacity: 8 litres (built-in tank)
- Hermetically sealed CFC free compressor with ventilated evaporator, mounted on anti-vibration assembly
- Inner tank dimensions H x W x D: 12x20x14 cm

TEMPMASTER SELECTION CHART							
Cat N°	Model Temp. range	Max. capacity (litre)	Standard Tank (litre)	Stability (±)	Ext. Dimensions (HxWxD) cm	Pump Pressure - Flow rate	Power W
TM 100	Tempmaster 100 Amb. +5° to 100°C	20	12*	0.05°, to 100°C	28x18x19 (thermostat)	150 mbar - 12l/min	1060
TM 200	Tempmaster 200 Amb. +5° to 200°C			0.05°, to 100°C 0.1°, to 200°C			2060
TM -10	Tempmaster -10 -10° to 100°C	8	8	0.05°, to 100°C 0.1°, to -10°C	26x66x44		1150
OPTIONAL ACCESSORIES							
TM EXT	External Pt100/135 mm sensor, with 150 cm cable						
TM LID	Lid support for 2 x 600 ml beakers, only for 12-litre tank						

* Other tank volumes on request (only for TM100 or TM200).