

## CHILLER

This bench-top chiller is available ready assembled with the thermostat mounted on the refrigerator and supplied with insulated tubing and clips to form a system ready to use.

The system comprises the following:

- 5 litre tank with drain tap
- relay control for refrigeration on/off
- cooling power 140W @ 0°C
- temperature range -20 to 100°C

The immersion thermostat incorporates Intelligent Control Optimisation for adaptive intelligent PID temperature control and includes a powerful integral pump, making the system suitable both for immersing samples and circulating temperature controlled fluid to external devices. It includes a convenient timer function for reaction timing and a variable high temperature alarm setting. The temperature range and heater power are automatically limited according to the liquid type selected. A simple-to-use rotor dial plus two keys provide access to the interactive interface for fast, accurate set-up.

The unit is supported by a 3 year warranty to reflect the reliability.



- CLEAR 4-DIGIT DISPLAY - EASY TO READ FROM A DISTANCE
- VISUAL AND AUDIBLE ALARM
- POWERFUL INTEGRAL PUMP
- COOLING/HEATING RANGE: -25 TO 100°C
- USER CALIBRATION FACILITY

### Technical Specifications

TEMPERATURE RANGE	-25 TO 100°C
STABILITY (WATER @ 10°C)	± 0.1°C
UNIFORMITY (WATER @ 10°C)	± 0.1°C
SETTING RESOLUTION	0.1°C
DISPLAY	4 DIGIT LED
TIMER FUNCTION	1 MIN TO 99 HRS 59 MINS
PUMP FLOW RATE	17 L/MIN (MAX.)
No. STORED TEMP. VALUES	3
SAFETY OVERTEMPERATURE	ADJUSTABLE CUT-OUT
HEATER POWER 230 V	1.3 kW
HEIGHT ABOVE TANK RIM	200MM
DEPTH BELOW TANK RIM	135MM

## peristaltic pumps

Available in single, dual and tetrad formats these versatile peristaltic pumps are an ideal accessory for gradient gel formation with the VS20-DGGE. The 'easy load' head of the MU-D01 single peristaltic pump accommodates multiple tubes of different diameters offering the user enhanced flexibility in flow rate selection, while the MU-D02 single pump has the added benefit of a more powerful pump motor. The MFU-01 and MFU-02 dual and tetrad pumps are equipped with microprocessor technology for more accurate rpm control, and comprise 2 and 4 peristaltic pumps respectively that may be controlled individually. All 4 pumps are reversible and have a small footprint, occupying minimum space within the laboratory. Other applications include: filtration, sampling, chemical spraying, dispensing, transferring, feeding and filling.



MU-D01



- AVAILABLE IN SINGLE, DUAL AND TETRAD
- ALL PUMPS ARE REVERSIBLE

### Technical Specifications

	PP01	PP11	PP02	PP12
No. OF HEADS	1	1	2	4
Max. RPM:	300	600	100	100
FLOW RATE, : 1.2-1140 0.3-2280 0.6-380 0.6-380 ML/MIN				
DIMENSIONS: 20x34x13 (HxLxW)		26.5x34x18		26.5x34x18
WEIGHT, KG:	5.7	5.7	5.7	5.7

### ORDERING INFORMATION

CHLR	Chiller system, -20 to 100°C, including insulated tubing & clips, 220V		
MU-D01	Single Peristaltic Pump	MU-S16	Silicon tube I.D. 1/8", 25 ft
MU-D02	Single Peristaltic Pump	MU-S18	Silicon tube I.D. 3/8", 25 ft
MFU-01	Dual Peristaltic Pump	MU-S25	Silicon tube I.D. 3/16", 25 ft
MFU-02	Tetrad Peristaltic Pump	MU-S13	Silicon tube I.D. 1/32", 25 ft
MU-S14	Silicon tube I.D. 1/16", 25 ft	MU-S17	Silicon tube I.D. 1/4", 25 ft