

Gel Temperature Control

BENEFITS INCLUDE

- **Ergonomic design and easy operation**
- **Splash-proof keypad** with integrated mains switch
- **Large, bright LED**
- **Reliable microprocessor PID temperature control**
- **Filling level indicator**
- **Powerful immersion pumps** - suitable for continuous operation
- **Maximum permissible temperature of +80°C** - in the return line from the unit to the chiller
- **Easy access to filling chamber** - via a hinged lid at the top of the unit
- **Low liquid level protection with visible and audible alarm signal**
- **Integrated stainless steel bath tanks**
- **Removable venting grid for cleaning of the condenser**
- **Front drain**
- **No side vents** - allow multiple units to be stacked alongside each other
- **RS232 interface for PC connection**
- **IP class according to IEC 529: IP21**

TECHNICAL SPECIFICATION

Working Temperature Range						-20 to +40°C
Temperature Control						PID
Temperature Stability						±0.5°C
Display						LED
Display Resolution						0.1°C
Integrated Programmer						Not available
Heater Capacity						0W
Cooling Capacity		20	10	0	-5	-20 °C
		300	250	200	150	100 W
Refrigerant						R134a
Pump Capacity						Pressure: 350mbar Flow rate: 15L/min
Digital Interfaces						RS232
Filling Volume						3 to 4.5L
Suitable Fluids						Water, water-glycerol & JULABO thermal bath fluids
Fittings						Barbed fittings for tubing of 8 and 12mm internal diameter
Pump Connections						M16x1 male
Dimensions (W x L x H)						25 x 50 x 60cm
Weight						41kg
Ambient Temperature						5 to 40°C
Classification according to DIN 12876-1						-
Available mains power						230V/50Hz; 115V/60Hz; 230V/60Hz

JULABO FL300 Recirculating Cooler/Chiller

The JULABO FL300 is the recommended recirculating cooler/chiller option for all Scie-Plas horizontal and vertical cooled gel electrophoresis units. Unlike other chiller units, which are factory preset at 4°C, the working temperature of the FL300 can be set anywhere between -20 and +40°C, making it ideally suited to many techniques ranging from standard cooled gel electrophoresis to IEF with IPG strips. PID (Proportional Band, Integral, Derivative) control guarantees thermal stability within ±0.5°C of the set temperature,



obviating the need for continuous operator monitoring. Each unit can be easily cleaned and is supplied with a splash-proof keypad with a bright, easy-to-read LED that indicates the current temperature, while an RS232 interface is located at the front of each unit for PC connection and alarm shutdown. A lift-up cover on the top of the unit allows access to the filling port, while another hinged tray serves as storage for the operating manual and installation documents. A removable venting grid provides ready access to the condenser and drainage tap for cleaning. All models include an easily visible level indicator for the coolant, whereas vents positioned at the front and rear allow multiple units to be placed side by side, saving space within the laboratory.

ORDERING INFORMATION

Complete System

FL300 recirculating cooler/chiller unit for 230 Vac mains power supply
(please specify if 230V/50Hz or 230V/60Hz is required)
FL300 recirculating cooler/chiller unit for 110 Vac mains power supply

Part No.

FL300

FL300-A

For EasyTemp optional control software and other JULABO products please contact sales@scie-plas.co.uk