

LT ecocool™ range - Chiller technology designed with you in mind

- ECO-FRIENDLY › Delivers energy savings of up to 80%
- ECONOMICAL › Whole-life cost savings
- EASY TO USE › Intuitive design and interface
- READY TO USE › Assembled and supplied with standard tubing, insulation, clips and connectors
- ACTIVE COOLING › From -25°C to 150°C
- MODERN DESIGN › Sleek, cool, modern



LT ecocool™ range - Cool redefined



Shown with Asynt reactor and DrySyn SnowStorm

Applications

Temperature control of external equipment including: rotary evaporators, spectrophotometers & refractometers. Circulation of temperature control fluid to jacketed vessels, cooling crystallisation vessels, temperature probe calibration, product testing, product QC, temperature control of external equipment.

LT ecocool™ features



- › Bright, full colour display QVGA TFT on 150 model
- › 5 languages on the 150 model (EN, FR, DE, IT, ES)
- › Chiller icon showing variable power use
- › Eco icon for energy efficient mode
- › 3 programmable temperature pre-sets

- › Single front switch for user convenience
- › No-spill valved front drain
- › Magnetic closure condenser cover, easily removed for cleaning



- › USB communication interface
- › External temperature probes available
- › Relay control in 150 Grant LT ecocool™ models
- › Thermostat and chiller work in harmony with data link
- › One power cable for user convenience

- › Unit can be assembled at 90° for alternative placement
- › No side vents, locate to suit user, not the unit



Accessories for LT ecocool™ and Optima™

Labwise™ control software

Makes set-up, programming, monitoring and data logging straightforward (150 only).



Vertical turbine pump

High pressure pumps up to 1650 mbar.



Additional Hose kits

-40-100°C and -50-200°C assembled with LT ecocool™/Optima™ pump outlet plate and hose clips.



Remote temperature probes



Plastic flexible temperature probe PT1000 (PEP) and stainless steel temperature probe (SEP).



Stainless steel and metal connectors, Hose barb and super seal rapid, optional.



Specifications

			LT ecocool™ 100	LT ecocool™ 150
				
29 kg h: 640 mm d: 430 mm w: 245 mm				
Temperature range	°C		-20 to 100	-25 to 150
Temperature stability	°C		±0.05	±0.02
Typical cooling power at	20°C	W	250	400
	0°C		185	200
	-20°C		40	60
Flow rate	L/min		17	14 - 22 (adjustable)
Pump pressure	mbar		250	530
Programs			-	1 x 30 segments (via Labwise™)
Display			4 digit LED	Full colour QVGA TFT
Languages			-	5 (EN, FR, DE, IT, ES)
Timer			1 min to 99 hrs 59 mins	
Communication / probe			-	USB / 6 pin mini DIN temperature probe socket
Alarms (audible & visual)			High	High and low
Safety			Adjustable over temperature cut - out	
Tank volume	L		5	6

Applications

Temperature control of external equipment including: rotary evaporators, spectrophotometers & refractometers. Circulation of temperature control fluid to jacketed vessels, cooling crystallisation vessels, temperature probe calibration, product testing, product QC, temperature control of external equipment.

Further product information:

Call us:

+44 (0) 1638 781 709

Email:

enquiries@asynt.com

Optima™ refrigerated / heating circulating baths




3

year warranty



- POWERFUL** › Excellent cooling performance and quiet operation
- RELIABLE** › Robust, premium materials and construction
- SIMPLE** › Easy to set up, use and maintain, no-spill front drain
- PRECISE** › Precise temperature control
- CHOICE** › Choose from 4 Optima™ thermostats

Specifications

Refrigeration Units		 R4	 R5	 LTC4
		R4: 40 KG R5: 47 KG LTC4: 42.2 KG		
Effective operating temperature range (Refrigeration unit and Optima™ thermostat)		Choose from: T100 0 to 100°C TC120 -20 to 100°C TX150 -30 to 100°C TXF200 -30 to 100°C	Choose from: T100 0 to 100°C TC120 -20 to 100°C TX150 -47 to 100°C TXF200 -47 to 100°C	-30 to 100°C Programmable refrigerated / heating circulating bath supplied with a heating circulator, refrigerator, insulated tubing* and clips to form a ready-to-use system.
Capacity		20L	12L	20L
Working area	h x l x w	140 x 230 x 305 mm	180 x 260 x 115 mm	140 x 230 x 305 mm
Drain tap		●	●	●
Typical cooling capacity at	20°C W	900	1100	900
	0°C	500	1050	500
	-20°C	180	580	180
	-30°C	40	370	40
	-47°C	-	25	-

Temperature range of hosing supplied up to -40 to 100°C (can be cut to length as required)

Optima™ thermostats		 T100	 TC120	 TX150	 TXF200
Integral Pump	(flow rate / pump pressure)	-	16L min / 210 mbar	18L min / 310 mbar	22L min adjustable / 530 mbar
Programs / temperature pre-sets		- / 3	- / 3	1 x 30 (Labwise™) / 3	10 x 100 / 3
Display		4 digit LED		Full colour QVGA TFT	
Language		EN		5 (EN, FR, DE, IT, ES)	

Applications

Clinical, Microbiology and Pathology labs - media tempering, thawing & incubating samples, University research - temperature control of spectrophotometers & refractometers and jacketed vessels, Industrial labs - temperature probe calibration, water analysis, QC testing product, petrochemical testing, material testing, milk sample testing.

Further product information:

Call us:

+44 (0) 1638 781 709

Email:

enquiries@asynt.com