



Dedicated service support



David Gentle
Service Manager



Jamie Holden
Service Engineer

service@radleys.co.uk



Radleys
Shire Hill
Saffron Walden
Essex, CB11 3AZ
United Kingdom

+44 1799 513320
www.radleys.com
sales@radleys.co.uk

GO GREEN



Sustainable technology

- Natural refrigerants as standard
- Environmentally friendly
- Saves water
- Reduces risk of flooding
- Low energy consumption



ECO-FRIENDLY TEMPERATURE CONTROL

In 1980 Huber began converting to environmentally friendly refrigerants. Today, almost all Huber temperature control units are offered with the option of natural refrigerants. The compact Petite Fleur, Ministat and Minichiller use natural refrigerants as standard.



Dedicated service support for Huber

Radleys has over 50 years of experience in the supply of scientific equipment. During that time we have built an enviable reputation for providing customers with excellent products backed by a comprehensive technical and service support.

We provide a full servicing and technical support function for the full range of Huber thermoregulators and circulators. We have a team of in-house technical support personnel and qualified service engineers, with a fully equipped workshop providing a fast response to your technical repair and servicing needs.

Innovative Temperature Control

- environmentally friendly and water-saving



An important commitment to the environment is to conserve resources and reduce ecological impact. One way to protect the environment is the careful choice of refrigerants. Especially the natural, halogen free hydrocarbon refrigerants such as Propane (R290) and Propene/Propylene (R1270). These refrigerants do not degrade the ozone layer (ODP - ozone depletion potential) and have a very low GWP value (global warming potential).

An investment in a temperature control device that uses natural refrigerants, is an investment in environment-friendly and sustainable technology.

Natural refrigerants are only one aspect of an environmentally friendly solution. The compact, air cooled **Minichiller**, **Ministat** and **Petite Fleur** models combine natural refrigerants, virtually zero water consumption and an extremely low energy consumption to make them the eco-friendly and sustainable choice.

Natural Refrigerant



Sustainable advantages:

- ✓ Sustainable technology
- ✓ Low investment and operating costs
- ✓ Virtually zero water consumption
- ✓ Natural refrigerant Propane R290
- ✓ Ozone Depletion Potential (ODP) of 0
- ✓ Global Warming Potential (GWP) of just 3
- ✓ More efficient than devices with synthetic refrigerants

= Excellent results and a positive outcome for the environment



Minichiller®

The compact Minichillers inspire as an economic and environmentally-friendly cooling solution for many laboratory applications. A calculation of water and wastewater costs shows us that an air-cooled Minichiller can save up to 48,000 litres of water in one working week.

- - 25°C to +40 °C
- Natural refrigerant R290
- Robust stainless steel construction
- Easy filling and draining
- Safe for continuous use, with warning function
- Lighted fill level indicator

Model	Working Temp. Range (°C)	Pump Data				Cooling Power (kW) at (°C)				Dimensions W x D x H (mm)	Cat.No.	List Price
		Pump max. (l/min)	max. Suction (bar)	15	0	-10	-20					
Minichiller 280	-5...40	14	0,25	10,5	0,17	0,28	0,2	-	-	225x360x380	HB3006.0101.99	£2328
Minichiller 300	-20...40 (80)**	14	0,25	10,5	0,17	0,3	0,2	0,14	0,07	225x360x380	HB3006.0063.99	£2621
Minichiller 600*	-20...40	24	0,7	18	0,4	0,6	0,5	0,35	0,15	280x490x424	HB3006.0067.99	£3198
Minichiller 280 OLÉ	-5...40	14	0,25	10,5	0,17	0,28	0,2	-	-	225x360x380	HB3006.0105.98	£2502
Minichiller 300 OLÉ	-20...40 (80)**	14	0,25	10,5	0,17	0,3	0,2	0,14	0,07	225x360x380	HB3006.0089.98	£2795
Minichiller 600 OLÉ*	-20...40	24	0,7	18	0,4	0,6	0,5	0,35	0,15	280x490x424	HB3006.0098.98	£3382

* With rollers (rear) ** Permissible temperature in return line +80°C All units use natural refrigerant as standard



Ministat®

Ministats are the smallest cooling circulators in the world. The compact ergonomic design allows Ministats to be placed in the smallest of spaces. Despite their minimal size the systems are extensively fitted out and offer sufficient performance for temperature control of refractometers, vis-cometers, reaction vessels and mini-plants.

- -45 °C to +200 °C
- Natural refrigerant R290
- 5-point calibration for control sensors
- Excess temperature and low level protection
- Temperature stability at -10 °C: 0.02 K
- 5,7" TFT-Touchscreen Controller Pilot ONE

Model	Working Temperature Range (°C)	Bath		Heating Power (kW)	Pump Data				Cooling Power (kW) at (°C)				Cat.No.	List Price
		Volume (ltr)	Depth (mm)		max. Pressure (l/min)	max. Suction (bar)	20	0	-20	-30				
Ministat 125	-25...150	2,75/1,3*	120	1,0	22	0,7	16	0,4	0,30	0,21	0,05	-	HB2014.0011.01	£4394
Ministat 230	-40...200	3,2/1,7*	135	2,0	22	0,7	16	0,4	0,42	0,38	0,25	0,14	HB2015.0005.01	£4981
Ministat 240	-45...200	4,9/2,8*	157	2,0	22	0,7	16	0,4	0,60	0,55	0,35	0,125	HB2016.0005.01	£6275

* with displacement insert Temperature Stability to DIN 12876: 0,02 K All units use natural refrigerant as standard



Petite Fleur®

The Petite Fleur models are the smallest dynamic temperature control systems of the Unistat range. Compact dimensions, unique thermodynamics and a wide temperature range of -40 °C up to +200 °C make them ideal for precise temperature control of e.g. research reactors.

- -40 °C to +200 °C
- Natural refrigerant R290
- Powerful circulation pump
- 2 x USB, Ethernet and RS232 connections
- Temperature stability at -10 °C: 0.01 K
- 5,7" TFT-Touchscreen Controller Pilot ONE

Model	Working Temperature Range (°C)	Pump max. VPC		Heating Power (kW)	Cooling Power (kW) at (°C)					Dimensions W x D x H (mm)	Cat.No.	List Price
		(l/min)	(bar)		200	20	0	-20	-30			
Petite Fleur	-40...200	25	0,9	1,5	0,48	0,48	0,45	0,27	0,16	260x450x504	HB1030.0001.01	£8397
Petite Fleur-eo	-40...200	25	0,9	1,5	0,48	0,48	0,45	0,27	0,16	260x450x504	HB1030.0004.01	£8397

eo = for external open operation All units use natural refrigerant as standard

Prices exclude carriage, packing and VAT