

UC

CLIMATIC CHAMBERS



GENERAL FEATURES

TEMPERATURE RANGE:

+130°/-20°C
+130°/-40°C
+130°/-70°C

HUMIDITY RANGE:

20/98%RH with dew point limit +2°C

TEMPERATURE & HUMIDITY CONTROL:

with two electronic regulators aa band digital proportional integral action and precision of 0.1 °C complete with LAN interface

INSULATION:

CFC-free foam polyurethane with a density of 38kg / m³ and a minimum thickness of 100mm

EXTERNAL CONSTRUCTION:

Mild steel box frame with steel sheet panels with a high quality blue and white painted finish.

INTERNAL CONSTRUCTION:

Vapour-tight welded stainless steel (18/8) internal compartment, easy to clean and mounted on thermal breaks to minimise thermal transfer to the external frame.

SERVICE DOOR:

Provides full access to the working area. Mounted on hinges and fitted with a lockable catch. Silicone gaskets provide an airtight seal.

REFRIGERATION SYSTEM:

Single-stage or cascade (for -70°C) refrigeration systems using low noise compressors and resident air-cooled condensers. The systems are self-regulating and use ozone friendly non-CFC refrigerants.

HEATING:

Electrical elements protected by a safety thermostat.

HUMIDIFICATION:

By means of a low-pressure steam generator adjusted by a pressure controller and protected by an over pressure sensor.

DEHUMIDIFICATION:

By means of a separate smooth refrigeration coil.

AIR CIRCULATION:

By means of one or two propeller fans with the fan motor mounted outside the chamber

POWER SUPPLY:

380V 3-phase +N+E 50Hz (415V for UK/Ireland) 220/1/50 HZ only for UC 150 Model

RAMP RATES:

Average of 2°C per minute heating and cooling in an unloaded chamber.

TECHNICAL FEATURES

Code	Model	Capacity l	Range temp.	Int. Dimensions mm (L x P x H)	Ext. Dimension mm (L x P x H)	U.R. %	Weight Kg	dB(A)	kW
02210120	UC 150/20	110	+130°/-20°C	450x500x450	910X900X1545	20/98%	340	58	4.3
02210121	UC 150/40	110	+130°/-40°C	450x500x450	910X900X1545	20/98%	350	60	4.3
02210122	UC 150/70	110	+130°/-70°C	450X500X450	910X900X1545	20/98%	390	60	5
02220120	UC 250/20	210	+130°/-20°C	500X750X600	960X1080X1795	20/98%	380	62	5
02220121	UC 250/40	210	+130°/-40°C	500X750X600	960X1080X1795	20/98%	390	64	5.5
02220122	UC 250/70	210	+130°/-70°C	500X750X600	960X1080X1795	20/98%	450	65	5.8
02230120	UC 350/20	315	+130°/-20°C	600X750X700	1060X1175X1845	20/98%	390	63	5.5
02230121	UC 350/40	315	+130°/-40°C	600X750X700	1060X1175X1845	20/98%	395	64	6
02230122	UC 350/70	315	+130°/-70°C	600X750X700	1060X1175X1845	20/98%	460	67	6.5
02240120	UC 500/20	500	+130°/-20°C	700X900X800	1160X1225X2070	20/98%	520	66	7.4
02240121	UC 500/40	500	+130°/-40°C	700X900X800	1160X1225X2070	20/98%	530	66	7.6
02240122	UC 500/70	500	+130°/-70°C	700X900X800	1160X1225X2070	20/98%	600	68	8
02250120	UC 1000/20	1000	+130°/-20°C	1000X1000X1000	1460X1475X2165	20/98%	630	65	11
02250121	UC 1000/40	1000	+130°/-40°C	1000X1000X1000	1460X1475X2165	20/98%	640	66	12
02250122	UC 1000/70	1000	+130°/-70°C	1000X1000X1000	1460X1475X2165	20/98%	710	68	13

STANDARD ACCESSORIES

- 09921180 LAN Interface
- 09921181 N. 1 shelves grilled in inox
- 09921183 Steering wheels
- 09921184 Safety key - lock

OPTIONAL ACCESSORIES

09921196 Additional Temperature extantion to + 180°C

09921177 Two curve graphic recorder

09940182 Microprocessor programmer

09921186 Additional internal shelves for UC 150

09921187 Additional internal shelves for UC 250

09921188 Additional internal shelves for UC 350

09921189 Additional internal shelves for UC 500

09921190 Additional internal shelves for UC 1000

09921196 Peep window mm. 400x400 with internal lighting

09910146 Hole diam. 50 mm. with rubber plug

09921148 Hole diam. 100 mm. with rubber plug

09921197 Remote software for Windows, allows acquisition, printing, exporting data

Characteristics and data can be modified without forewarning.

C.T.I. s.r.l.

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