



EKOCT series
Stability Test and
Plants Growth chambers
Temperature control only

(picture of cod. 12873, EKOCT 1500/2)

The chambers of EKOCT series are designed to control the internal temperature in the range +10 / +50°C. They are available with two volumes: 700 and 1500 litres.

Main features of EKOCT chambers

TEMPERATURE UNIFORMITY:

- +/- 1.5 °C with light OFF,

FRAME

Exterior is in steel plate pre-painted in grey with self-closing door/s equipped with magnetic & key lock and specific rubber gasket and heater to prevent water condensation.

Interior is in stainless steel AISI 304 with one or two inner glass door/s and a porthole with diameter of 50 mm with rubber cap.

The chamber has internal rounded corners, a basin floor for liquid collecting and a courtesy light.

Adjustable front levelling feet.

Internal wire shelves.

THERMAL INSULATION

By high density expanse – injected polyurethane foam: **insulation size 75 mm.**

COOLING SYSTEM:

By totally sealed compressor located in the upper part of the chambers with air condensing unit.

Internal evaporator is air ventilated.

REFRIGERANT

Standard R134a allowed by the Montreal Convention and accepted as “environment friend gas” under the London amendment too.

CONTROLLERS

EKOCT 700 and EKOCT 1500 are equipped with a standard electronic digital controllers for Temperature (P.I.D. System), equipped with a Pt100 probe. Additionally is they are equipped as standard with safety thermostat for max temperature limit with an alarm (warning light) in case of ON condition. As option (see OPTIONALS), they can be equipped with an extra controller for completely back-upping the main temperature controller in case of failure.

ORDERING INFORMATION AND AVAILABLE MODELS

Code 12871 – EKOCT 700/1 700 litres

Net sizes & weight

- External: 740W x 818D x 2020H mm
- Internal: 590W x 600D x 1500H mm
- Weight 170 kg

Number of doors: 1
Number of wire shelves 4

Voltage 208 – 252 VAC, 50 Hz (60Hz optional)
Amperage 8A
Noise level <65 dB

OPTIONAL ONLY for code 12871 – EKOCT 700:

Code	Description
17032	Wooden cage for safe transportation

Code 12873 – EKOCT 1500/2 1500 litres

Net sizes & weight

- External: 1480W x 815D x 2020H mm
- Internal: 1330W x 600D x 1500H mm
- Weight 260 kg

Number of doors: 2
Number of wire shelves 6

Voltage 208 – 252 VAC, 50 Hz (60Hz optional) (115VAC 60hz optional)
Amperage 9A
Noise level <65 dB

OPTIONAL ONLY for code 12881 – EKOCT 1500:

Code	Description
17034	Wooden cage for safe transportation

OPTIONAL ACCESSORIES APPLICABLE TO ALL CHAMBERS OF EKOCT SERIES

Code	Description
11353	Two weekly T disk chart recorder
12281	Spare Kit for chart recorder (100 graph discs and 2 pens)
13085	Additional wire shelf
10709	Battery back-up system to feed the alarms even if main power is OFF (max for 48h)
11874	Electronic back-up controller. In case of failure of the main controller, this option acts as back-up controller limiting the T variation inside a specific min and max values (variable): particularly useful to protect at 100% any high value material present in the chamber.
12939	Internal electrical panel: 2 plugs, 1 switch, 1 safety switch 6A (magneto thermic)
11676	Standard additional Pt100 Temperature probe
12132	Pt100 T probe Class A with 3 calibration points
12850	Additional porthole diam. 23 mm
12851	Additional porthole diam. 50 mm

OTHERS TECHNICAL DATA

Product Name :	EKOCT series – stability tests and plant growth chambers
Manufacturer:	Angelantoni Life Science S.r.L. Loc. Cimacolle, 464 06056 Massa Martana (PG) - Italy
Ambient conditions of use:	Temperature: +10° ~ +30° C Relative humidity: 30 ~ 80% without condensation
Stocking condition:	Temperature: +0° ~ + 40° C Relative humidity: 20 ~ 80% without condensation
Alarms types:	Acoustic and Optical
In case of power black-out:	Compressors OFF (Controller is powered for 24-48h by a battery back-up)