



POL-EKO
Perfect Environment

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Data sheet

Heating-up chamber CALDERA 70



Crucial Temperature Solutions



The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

Functionality

- capacities: 70, 150, 200, 250, 300l – dimensions and load examples are specified in the table with technical data
- fast heating-up of the load due to forced air convection
- polished stainless steel housing, stainless steel interior
- bright, energy saving LED internal lighting and tempered glass of the door assure an excellent visibility of the interior
- drawers with telescopic slides instead of regular shelves prevent falling out of the load
- possibility to place Caldera on the stainless steel table – option

Safety

- safe temperature range: +35°C to +42°C, temperature regulation every 1,0°C
- visual and audio alarm in case set temperature is exceeded for 2°C
- independent temperature protection over 45°C (over temperature protection) 3.1 class according to DIN 12880
- open door alarm (the alarm goes on in case the door is opened longer than 1 minute)
- LED display visible from 4m distance
- optional door lock – load protection against unauthorized use
- service settings protection against unauthorized use
- archiving working parameters for the period of 1 year (with 15 minutes interval)

CALDERA complies with the following medical norm PN-EN 60601-1-2:2002 EMC Medical norm for electrical devices (it does not interrupt the work of the other medical Instruments).



Bank: ING BŚ o/Wodzisław Śląski | Nr rachunku: 90 1050 1403 1000 0022 0879 5498 | Nr rej. w BDO 000005609
NIP: 647-216-26-87 | REGON: 27611984 | Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy | KRS 0001009595



TECHNICAL DATA

air convection	forced
chamber capacity [l]	70
working capacity [l]	70
controller	microprocessor with external LED display
display	LED

TEMPERATURE

temperature range [°C]	+35...+42
temperature resolution every ... [°C]	1,0
temperature fluctuation at 37°C [±/°C]*	0,1
temperature variation at 37°C [±/°C]*	0,3
temperature protection	class 3.1 to DIN 12880

CHAMBER

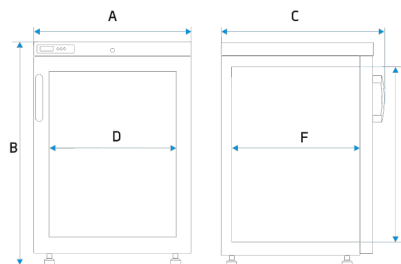
door type	door with viewing window
interior	DIN 1.4301
housing	stainless steel polished

overall dims [mm] /1/

width A	550
height B	640
depth C	530

internal dims [mm]

width D	450
height E	410
depth F	380



number of drawers	1
max drawer workload [kg]	20
max unit workload [kg]	20
weight [kg]	32



ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	250
warranty	24 months
manufacturer	POL-EKO

all the above technical data refer to standard units (without optional accessories)

* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

$K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

** - other power supplies on request

1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug

OPTIONS AND ACCESSORIES



Order number: */P INOX

Stainless steel wire shelf INOX



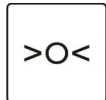
Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



Order number: QLK*

Castors



Order number: BRT/*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



Order number: KD

Access control