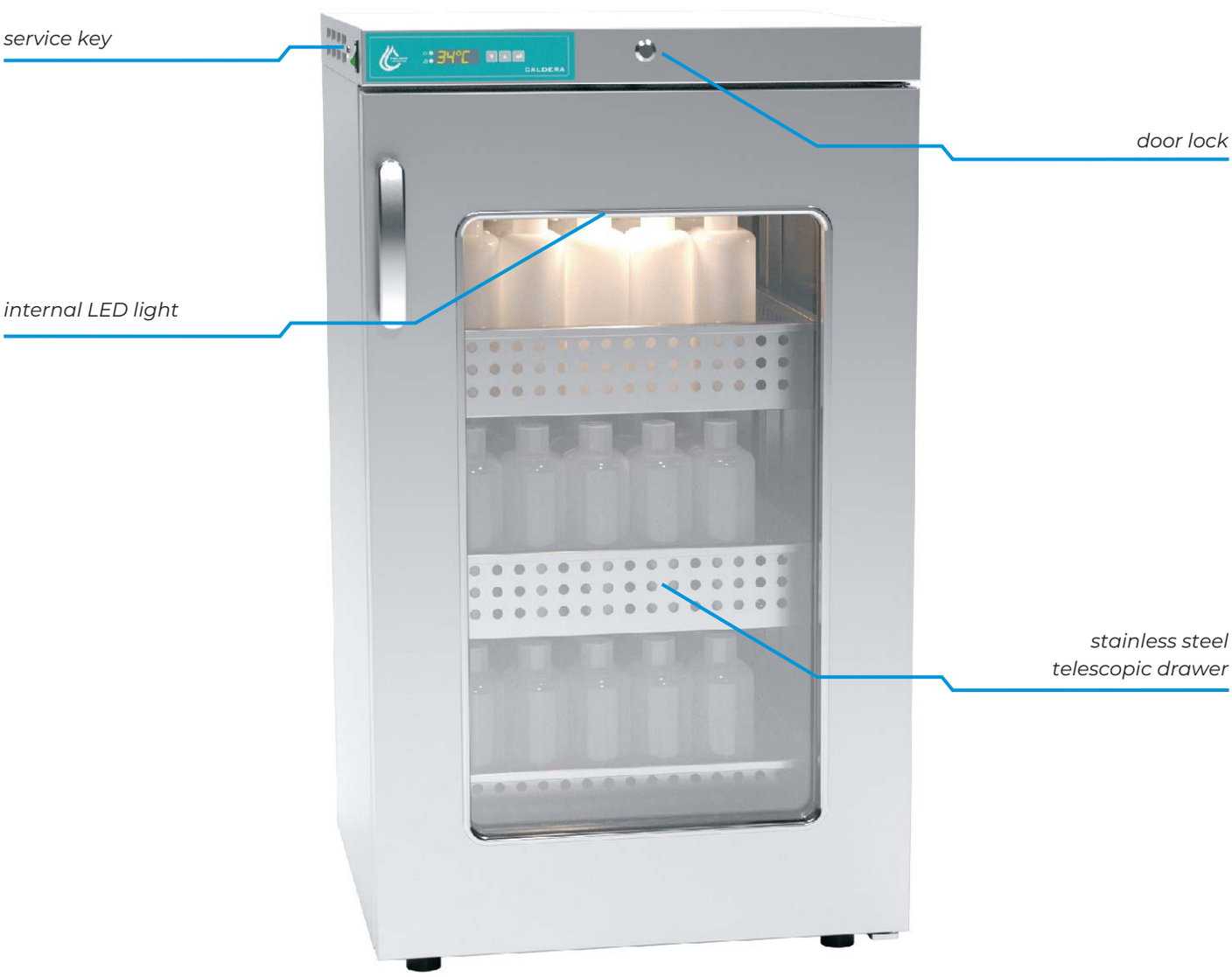
Caldera is a warming chamber for fluids and blankets



CALDERA 250 INOX

All thermostatic equipment manufactured by POL-EKO-APARATURA can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation is available on website: www.pol-eko.eu.

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
- stainless steel telescopic drawers to prevent the load falling or stainless steel wire shelves in TERM version
- optional stainless steel table

SAFETY

- safe temperature range: +35°C ... +42°C or +35°C ... +70°C in TERM version, temperature regulation every 1°C
- visual and sound 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 off in case the door is opened for over 1 minute)
- LED display visible from 4 m distance
- door lock – load protection against unauthorized use
- service settings protection against unauthorized use
- internal memory for data storage

CALDERA was designed according to PN-EN 60601-1-2:2002 EMC – Medical norm for electrical equipment (it does not interrupt the work of the other medical instruments).

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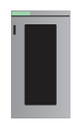
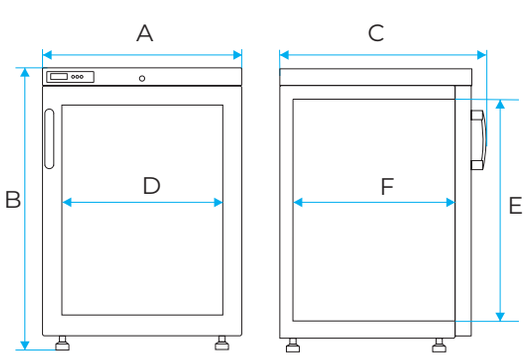
Parametr		CALDERA 70	CALDERA 150	CALDERA 200	CALDERA 250	CALDERA 300
						
air convection		forced				
chamber capacity[1] [l]		70	150	200	250	300
door type		door with viewing window				
temperature range [°C]		+35...+42 (+35...+70 in TERM version)				
temperature resolution [°C]		every 1,0				
controller		microprocessor PID, 4,3" full colour touch screen				
interior		acid-proof stainless steel to DIN 1.4301				
housing		polished stainless steel				
overall dims[2] [mm]	A width	550	600	600	600	600
	B height	640	840	1040	1240	1440
	C depth	530	630	630	630	630
internal dims [mm]	D width	450	490	490	490	490
	E height	410	650	850	1050	1250
	F depth	380	480	480	480	480
examples of fluid bags configurations bottle x bottle capacity [l] (per drawer)		20 x 1 or 30 x 0,5 or 4 x 3				
alarm		visual and sound after exceeding the set temperature by 2°C				
lighting		energy-saving LED chamber lighting				
maximum number of drawers (without shelves)		1	2	2	3	4
maximum drawer load [kg]		20	20	20	20	20
max unit workload [kg]		20	40	40	60	80
nominal power [W]		250	250	250	250	250
weight [kg]		32	54	59	69	75
temperature fluctuation* at +37°C [+/- °C]		0,3	0,3	0,3	0,3	0,3
temperature variation* at +37°C [+/- °C]		0,5	0,5	0,5	0,5	0,5
time required to achieve 37°C of the load, at set 37°C (40% load)		4,5 ... 6 h				
time required to achieve 37°C of the load, at set 37°C (70% load)		10 ... 15 h				
over temperature protection		temperature protection over 45°C (class 3.1 to DIN 12880)				
power supply**		230V 50-60Hz				
number of shelves in TERM version		1	2	2	3	4
warranty		24 months				
manufacturer		POL-EKO-APARATURA				

all the above technical data refer to standard units (without optional accessories)
* - fluctuation measured in centre of chamber; in space, variation (K) calculated for chamber as: K= +/- (T avg max - T avg min) / 2
** - other power supplies on request
1 - working capacity of chamber can be smaller
2 - depth doesn't include 50 mm of power cable



Options and accessories (icon description see pages 76-82)

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