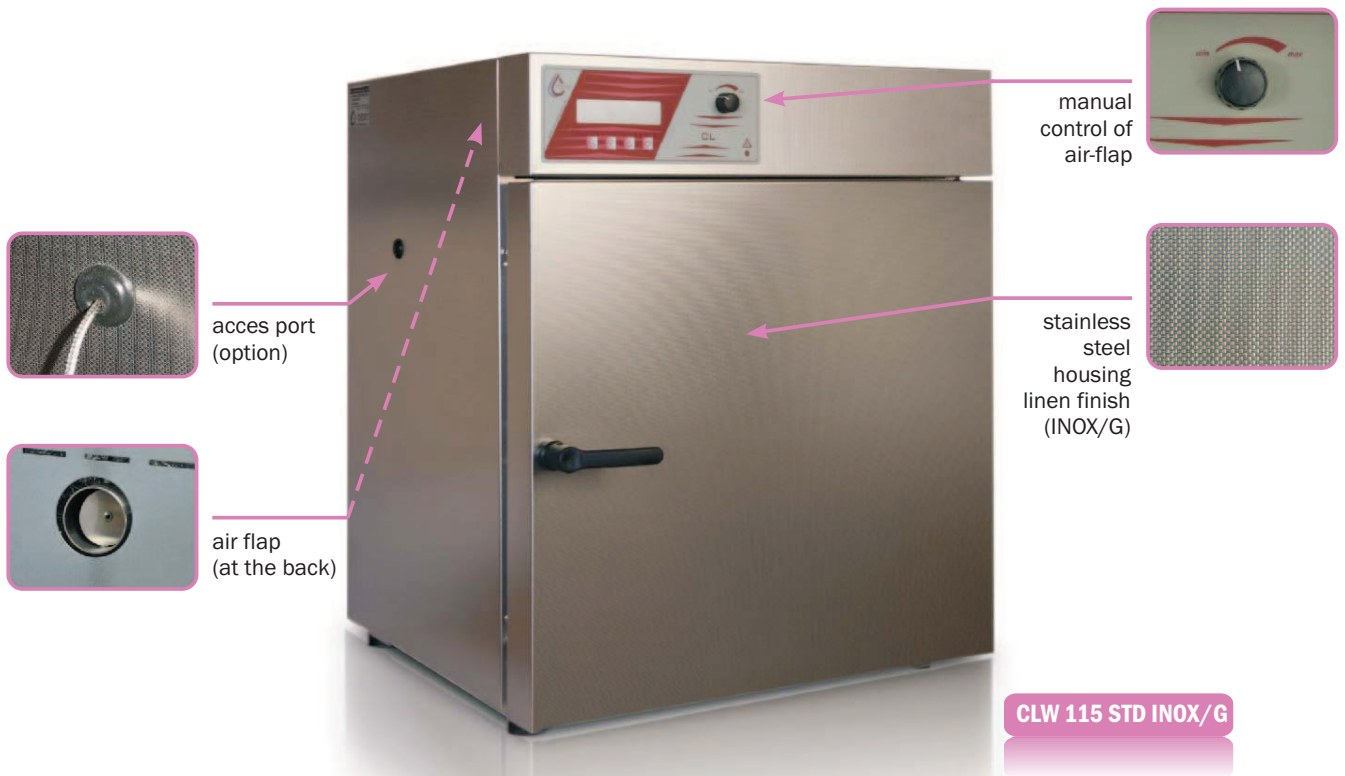


Laboratory incubators

Application

- incubation of samples for microbiological examinations
- analysis of thermal resistance of samples subjected to higher temperatures (e.g. pigments and lacquers)
- antibody testing
- bacterial research
- chemical storage
- crystallization studies
- cultivating thermophilic bacteria
- denaturalizing tests for food industry
- microbiological determinations
- pharmaceutical stability testing



Laboratory incubators

Advantages

- available in ECO, STD and TOP+ versions
 - CL 15 and 32 in ECO version only
- capacity from 15 to 1005 litres
- stainless steel interior
- housing, depending on model: powder coated sheet or stainless steel linen finish (**INOX/G**)
- forced or natural air convection (depending on the model)
- fan speed regulation from 0 to 100% for CLW 53, 115 and 240; from 10 to 100% for CLW 400, 750 and 1000
- heating system (temperature in the chamber cannot be lower than ambient temperature)
- CLW 750, CLW 1000 models equipped with wheels
- LCD time and temperature display in ECO and STD version (except CL 15 and 32 with LED display); LCD touch screen in TOP+ version
- microprocessor time and temperature control
- temperature sensor fail alarm (see page 56)
- power failure control system (see page 56)
- real time clock
- sound alarm (see page 56)
- self-check function (auto control)

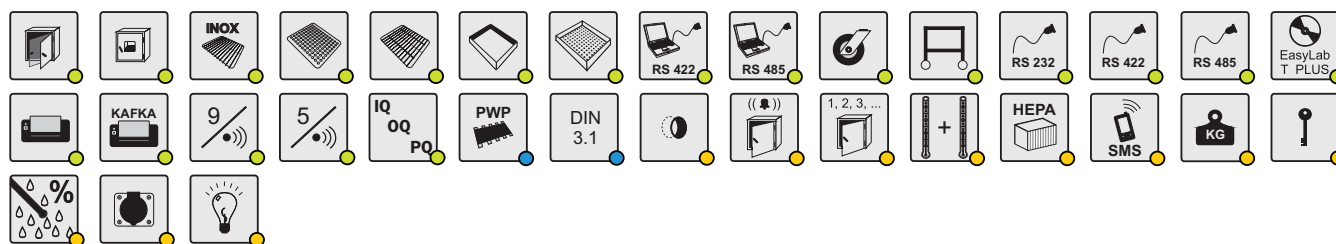
Program possibilities

- ECO version (see page 25)
- STD version (see page 26)
- TOP+ version (see page 27-28)

Standard equipment

- solid door
- RS 232 interface; RS 232 cable must be purchased additionally (RSK)
- stainless steel wire shelves (1-6 pieces, depending on the model) with slides set
- manufacturer's test certificate at +37 °C
- operation manual in English and English menu (other languages on request)
- over temperature protection according to DIN 12880: 1.0 class in ECO version, 2.0 class in STD version, 3.1 class in TOP+ version

Options and accessories (icon description see page 51)



● for ECO, STD and TOP+ ● for STD only ● for STD and TOP+



All POL-EKO-APARATURA products can be provided with IQ, OQ, PQ qualifications (see page 70)











All POL-EKO-APARATURA products can be supplied with a calibration certificate issued by an accredited Measurement Laboratory. Further information is available on pages 69-70 and our website: www.pol-eko.eu

Laboratory incubators



Available options

- CL*/A** - door with viewing window
- CL*/C** - internal glass door
- CL*/W** - reinforced version
(available for 240, 400, 750, 1000 versions)
- PW** - reinforced shelf

Parameter		Model	CL 15	CL 32	CL 53	CL 115	CL 240	CL 400	CL 750	CL 1000
										
air convection			natural (CLN)	natural (CLN) / forced (CLW)			forced (CLW)			
chamber capacity ¹	[l]		15	32	56	112	245	424	749	1005
	[cu ft]		0,5	1,1	2	3,9	8,6	15	26,4	35,5
door type			solid		solid / door with viewing window or double ³ (option)					
temperature range	[°C]		5° above ambient temperature...+100° (+70° for ECO version)							
	[°F]		41° above ambient temperature...+212° (+158° for ECO version)							
controller			microprocessor with external display							
interior			acid-proof stainless steel according to DIN 1.4301							
housing			powder coated sheet / stainless steel linen finish (INOX)							
overall dims [mm]	width		440	520	590	650	815	1015	1255	1255
	height		520	600	700	845	1140	1380	1620	2030
	depth		350	435	560	650	710	710	810	810
internal dims [mm]	width		320	400	395	460	600	800	1040	1040
	height		240	320	395	540	800	1040	1200	1610
	depth		180	240	360	450	510	510	600	600
max shelf workload [kg]	-		10	10	10	10	10	10	10	10
	PW shelf		-	-	50	50	100	100	100	100
max unit workload [kg]	-		20	30	40	60	90	120	140	180
	W version		-	-	80	120	300	300	300	300
nominal power [W]			300	400	400	400	800	1200	1800	1800
weight [kg]			27	35	50	65	126	174	260	330
temperature resolution [°C]			every 0,1							
temperature fluctuation ² at +37 °C [°C]	CLN		±0,5	±0,5	±0,2	±0,2	±0,2	-	-	-
	CLW		-	±0,2	±0,2	±0,2	±0,2	±0,2	±0,2	±0,2
over temperature protection			class 1.0 in ECO/2.0 in STD/3.1 in TOP+							
voltage 50 /60 Hz [V]			110-120/220-240							
shelves fitted / max			1/2	1/3	2/5	2/7	3/10	3/14	5/16	6/22
warranty			24 months							
manufacturer			POLEKO-APARATURA							

1 - working capacity of chamber can be smaller
 2 - fluctuation measured in centre of the chamber
 3 - glass inside, solid outside