



POL-EKO®

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POL-EKO A. Polok-Kowalska sp.k.  
44-300 Wodzisław Śląski  
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## Data sheet

print date: 2025-08-21

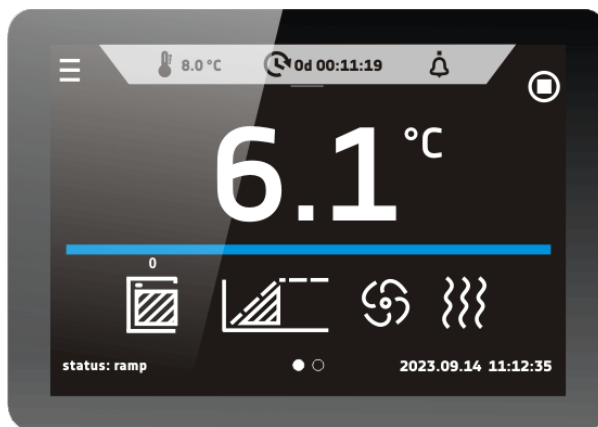
## ATEX Laboratory Refrigerator CHL 4 Smart ATEX



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.

### Advantages of the SMART controller:

- 4,3", clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen



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## TECHNICAL DATA

|                      |                               |
|----------------------|-------------------------------|
| air convection       | forced                        |
| chamber capacity [l] | 250                           |
| working capacity [l] | 203                           |
| controller           | microprocessor PID            |
| display              | 4,3" full colour touch screen |

## TEMPERATURE

|                                        |                        |
|----------------------------------------|------------------------|
| temperature range [°C]                 | 0...+15                |
| temperature resolution every ... [°C]  | 0,1                    |
| temperature fluctuation at 4°C [±/°C]* | 0,4                    |
| temperature variation at 4°C [±/°C]*   | 0,8                    |
| temperature protection                 | class 1.0 to DIN 12880 |

## CHAMBER

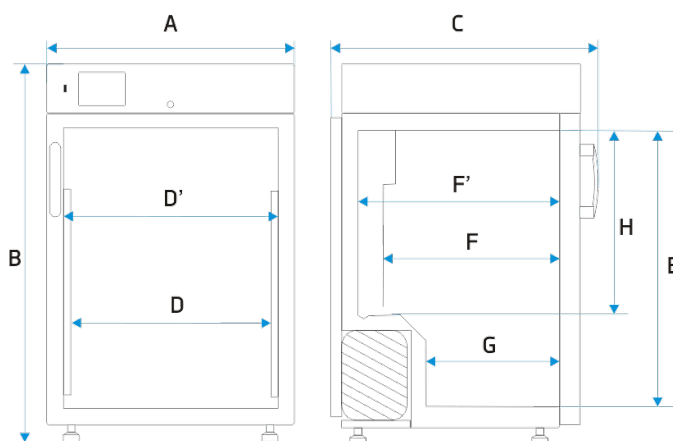
|                 |                                          |
|-----------------|------------------------------------------|
| door type       | solid                                    |
| <b>interior</b> |                                          |
| C Smart         | stainless steel to DIN 1.4016            |
| CS Smart        | stainless steel to DIN 1.4016            |
| P Smart         | acid-proof stainless steel to DIN 1.4301 |
| PS Smart        | acid-proof stainless steel to DIN 1.4301 |
| <b>housing</b>  |                                          |
| C Smart         | powder coated sheet                      |
| CS Smart        | stainless steel polished                 |
| P Smart         | powder coated sheet                      |
| PS Smart        | stainless steel polished                 |

## overall dims [mm] /1/

|          |      |
|----------|------|
| width A  | 610  |
| height B | 1300 |
| depth C  | 650  |

## internal dims [mm]

|          |      |
|----------|------|
| width D  | 480  |
| width D' | 520  |
| height E | 1060 |
| depth F  | 420  |
| depth F' | 480  |
| depth G  | 320  |
| height H | 840  |



|                             |       |
|-----------------------------|-------|
| shelves (standard   max)    | 4   6 |
| max shelf workload [kg] /2/ | 10    |
| max unit workload [kg]      | 50    |
| weight [kg]                 | 82    |



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## ELECTRICAL PARAMETERS

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| voltage                        | 230V 50/60Hz                                                         |
| nominal power [W]              | 250                                                                  |
| compliance with ATEX directive | chamber in explosion-protected design ATEX II 3/- G Ex h IIC T6 Gc/- |
| refrigerant                    | R1234ze / GWP=7                                                      |
| 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:  $K = \frac{+/- (T \text{ average max.} - T \text{ average min.})}{2}$ ; parameters given for the chamber above the bottom step

\*\* - other power supplies on request

1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

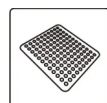
3 - reinforced shelf

## OPTIONS AND ACCESSORIES



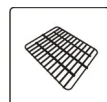
Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

Perforated shelf



Order number: \*/PW

Reinforced shelf



Order number: QLK\*

Castors



Order number: \*PLUS

Automatic defrosting function