



**POL-EKO**  
Perfect Environment

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

# VDW

Crucial Temperature Solutions



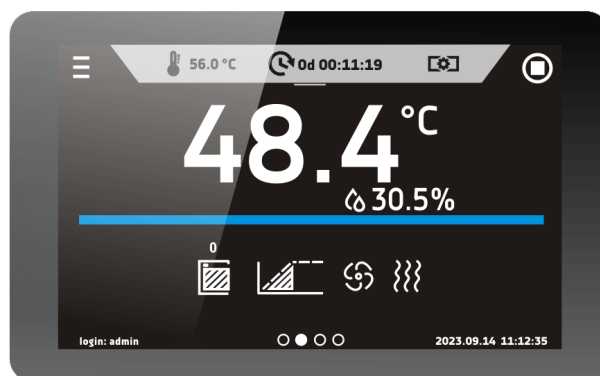
## Climatic Chamber KKS 400 Smart PRO



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 PRO controller:

- large (7"), clear, full colour touch screen
- LAN, USB ports and WiFi for communication and data transfer
- multi-segment time and temperature programs
- overview of data in tabular and graphic form
- visual and sound alarm
- Admin function for management
- password protected log-in
- internal memory for programs and data storage
- event registry with user notifications
- LabDesk software and user manual for direct download



**Smart PRO** - preview screen

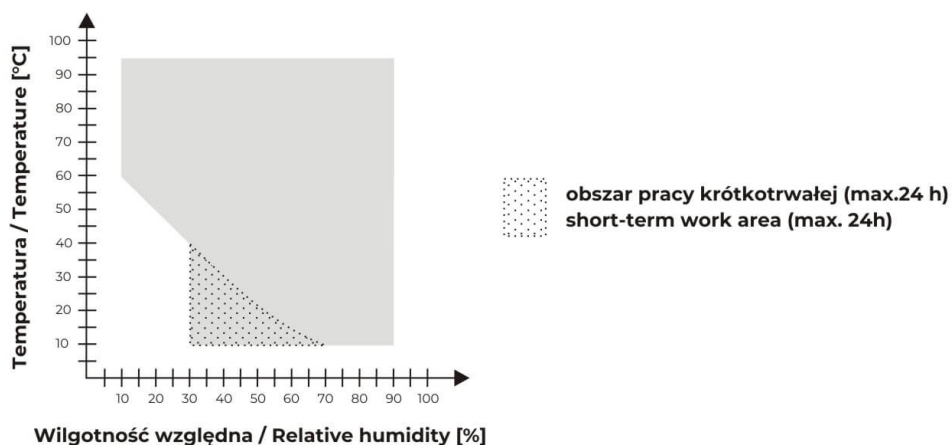


## TECHNICAL DATA

air convection	forced
chamber capacity [l]	416
working capacity [l]	416
controller	microprocessor PID
display	7" full colour touch screen

## TEMPERATURE AND HUMIDITY

temperature range [°C]	0...+100
temperature resolution every ... [°C]	0,1
temperature variation at 25°C and 60%rH [±/°C]*	2,0
temperature protection	class 3.3 to DIN 12880
relative humidity range [%]	10...90 (see chart for details)
humidity resolution every ... [%]	1,0
humidity variation at 25°C and 60% rH [%rH]	5,0



## CHAMBER

door type	double (external solid, internal glass) / external glass (option)
<b>interior</b>	
Smart PRO	acid-proof stainless steel to DIN 1.4301
IG Smart PRO	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
Smart PRO	powder coated sheet
IG Smart PRO	stainless steel linen finish



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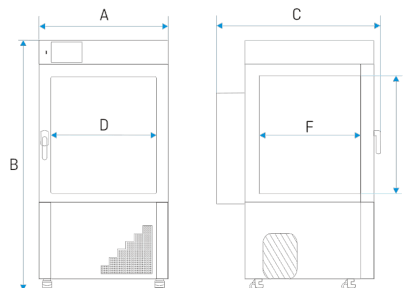
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#### overall dims [mm] /1/

width A	1030
height B	1850
depth C	880

#### internal dims [mm]

width D	800
height E	1040
depth F	500



shelves (standard   max)	3   14
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	120
weight [kg]	185

#### ELECTRICAL PARAMETERS

voltage**	400V 50-60Hz
nominal power [W]	3650
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO

all the above technical data refer to standard units (without optional accessories) and without a reverse osmosis system

\* - variation (K) calculated for chamber as:  $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

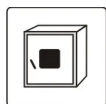
\*\* - other power supplies on request

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

2 - on uniformly loaded surface

3 - reinforced shelf

## OPTIONS AND ACCESSORIES



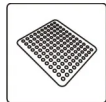
Order number: \*/A

door with viewing window



Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

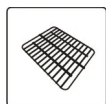
Perforated shelf



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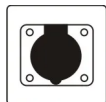
Order number: \*/PW

Reinforced shelf



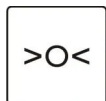
Order number: KUW GN\*/\*

Stainless steel cuvettes



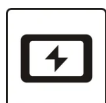
Order number: GNZ

Internal socket



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

Calibration and IQ, OQ, PQ qualification



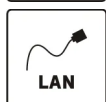
Order number: BPP 12

Battery backup for display



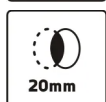
Order number: PORT ALARM

Dry alarm contact



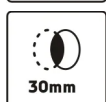
Order number: LANK

LAN cable



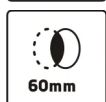
Order number: OCZ/20

Non-standard access port 20 mm



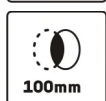
Order number: OCZ/30

Additional access port 30 mm



Order number: OCZ/60

Non-standard access port 60 mm



Order number: OCZ/100

Non-standard access port 100 mm



Order number: KD

Access control