

## Data sheet

## Ultra-Low Freezer ZLN-UT 500 VIP 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	natural
chamber capacity [l]	482
number of boxes 133x133x50mm [pcs]	352
controller	microprocessor PID
display	7" full colour touch screen
insulation type	vacuum - VIP panels

**TEMPERATURE**

temperature range [°C]	-86...-50
temperature resolution every ... [°C]	0,1
cooling time from +20°C to -80°C [min]	210
heating time in case of power failure -80°C to -60°C [min]	90
temperature fluctuation at -80°C [±/°C]*	1,4
temperature variation at -80°C [±/°C]*	3,5

**CHAMBER**

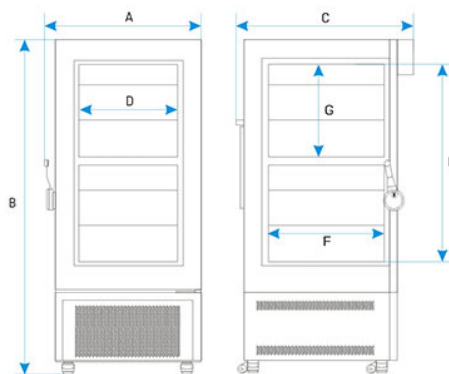
door type	solid
<b>interior</b>	
P Smart PRO	DIN 1.4301
<b>housing</b>	
P Smart PRO	powder coated sheet

**overall dims [mm] /1/**

width A	880
height B	2000
depth C	960

**internal dims [mm]**

width D	620
height E	1380
depth F	580
height I	670



shelves (standard   max)	4   4
max shelf workload [kg] /2/	10
number of internal chambers	2
max unit workload [kg]	85
weight [kg]	243

## ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	2100
refrigerant	R290 / GWP=3   R170 / GWP=6
warranty	24 months
manufacturer	POL-EKO-APARATURA

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

## OPTIONS AND ACCESSORIES



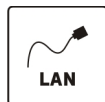
Order number: PORT ALARM

Dry alarm contact



Order number: USBK

USB cable



Order number: LANK

LAN cable



Order number: KD

Access control