

## Data sheet

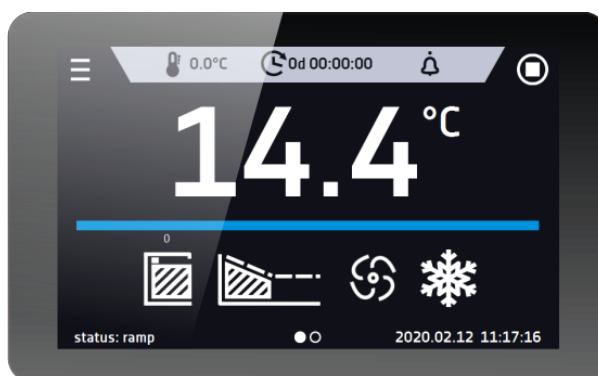
## Ultra-Low Freezer ZLN-UT 300 VIP Smart



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

**TECHNICAL DATA**

air convection	natural
chamber capacity [l]	345
number of boxes 133x133x50mm [pcs]	256
controller	microprocessor PID
display	4,3" 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]	180
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]*	3,0

**CHAMBER**

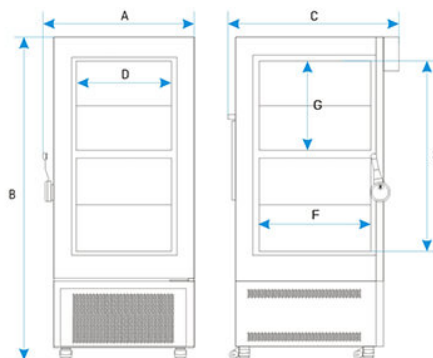
door type	solid
<b>interior</b>	
C Smart	stainless steel to DIN 1.4016
P Smart	DIN 1.4301
<b>housing</b>	
C Smart	powder coated sheet
P Smart	powder coated sheet

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

width A	880
height B	1620
depth C	960

**internal dims [mm]**

width D	620
height E	1000
depth F	580
height I	480



shelves (standard   max)	2/2
max shelf workload [kg] /2/	10
number of internal chambers	2
max unit workload [kg]	65
weight [kg]	220

## 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 LabDesk

LabDesk software



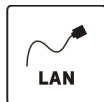
Order number: PORT ALARM

Dry alarm contact



Order number: USBK

USB cable



Order number: LANK

LAN cable



Order number: KD

Access control