

ULTRA LOW TEMPERATURE FREEZERS

Series UFV | Ultra low temperature freezers with climate-neutral refrigerants



Model UFV 500

Sizes 477 L, 700 L

FEATURES:

- Range of temperature controller: -86 °C to -40 °C
- Lowest energy consumption in its class
- Powerful cascade compressor cooling unit
- Environmentally friendly refrigerants R-290 and R-170
- Efficient thermal insulation with vacuum insulation panels
- Innovative door gasket concept reduces buildup of ice
- Ergonomic door handle
- Rust-proof interior made completely of stainless steel
- Detachable inner doors made of stainless steel
- 3 stainless-steel shelves providing flexible placement



Advantages at a glance



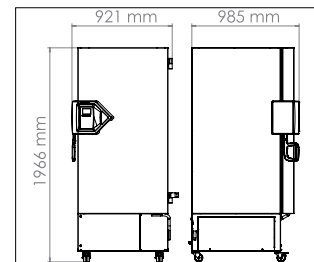
**LOWEST ENERGY CONSUMPTION
IN ITS CLASS WITH BEST TEMPERA-
TURE UNIFORMITY**



HIGH RELIABILITY



DURABLE QUALITY



**WORKING ENVIRONMENT WITH
SMALL FOOTPRINT AND LOW
NOISE LEVEL**

TECHNICAL DATA

Description	UFV 500	UFV 700
Housing dimensions not incl. fittings and connections		
Depth net [mm]	938	938
Height net [mm]	1966	1966
Width net [mm]	826	1110
Internal Dimensions		
Depth net [mm]	605	605
Height net [mm]	1300	1300
Width net [mm]	606	890
Measures		
Interior volume [L]	477	700
Net weight of the unit (empty) [kg]	247	289
Permitted load [kg]	200	200
Performance Data Temperature		
Temperature range [°C]	-90...-40	-90...-40
Temperature variation at -80 °C [± K]	2.5	2.5
Temperature fluctuation at -80 °C [± K]	1.5	1.5
Warm-up time during power failure from -80 °C / -122 °F to -60 °C / -76 °F [min]	230	250
Electrical data		
Nominal power (version 120 V) [kW]	1.4	1.4
Nominal power (version 230 V) [kW]	1.6	1.6
Nominal power (version 240 V) [kW]	1.6	1.6
Environment-specific data		
Energy consumption at set-point -80 °C and ambient temperature = 21 °C [kWh/d]	7.9	8.1
Fixtures		
Number of shelves (std./max.)	3/13	3/13

EXCERPT FROM OPTIONS AND ACCESSORIES



Foam-filled compartment doors with gasket



Door access system



Alarm system



Selection of racks and boxes

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