## SFPvg 6501

## Laboratory freezer with convection cooling **Performance**













Ext. dimensions in mm (w/d/h)         697/867/2135           Int. dimensions in mm (w/d/h)         489/638/1493           Energy consumption in 365 days         774 kWh²           Ambient temperature range         +10°°C to +35°°C           Heat output         975 kJ/h           Refrigerant         R 290           Noise output         60 dB(A)           Frequency / voltage         50 Hz / 220-240 V~           Cooling system         forced-air           Defrosting         automatic           Temperature range         -9°°C to -30°°C           Gradient / max. fluctuation         5.2°°C * / 4.8°°C *           Housing material/colour         steel / white           Door material         steel / white           Door material         chrome-nickel steel (1,4301 / AISI 304)           Type of Control         monochrome display, touch buttons           Alarm in case of malfunction         visual and audible           Power failure alarm         when mains power return           volt-free alarm contact         yes           Connectivity type         SmarthModule           Connectivity solution         return fittable           Interface         WLAN/LAN (optional)           Middle Shelving         4 <t< th=""><th>Gross/net capacity</th><th>614/480 l</th></t<>	Gross/net capacity	614/480 l
Energy consumption in 365 days  Ambient temperature range  Heat output  Refrigerant  R 290  Noise output  60 dB(A)  Frequency / voltage  50 Hz / 220-240 V-  Cooling system  Defrosting  automatic  Temperature range  4.9° °C to -30° °C  Gradient / max. fluctuation  For max. fluctuation  For material  Chrome-nickel steel (1.4301 / AISI 304)  Type of Control  Monochrome display, touch buttons  Alarm in case of malfunction  Visual and audible  Power failure alarm  When mains power return  volt-free alarm contact  yes  Connectivity type  SmartModule  Connectivity solution  Interior light  Adjustable Shelving  Adjusta	Ext. dimensions in mm (w/d/h)	697/867/2135
Ambient temperature range	Int. dimensions in mm (w/d/h)	489/638/1493
Refrigerant R 290 Noise output 60 dB(A) Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range -9°C to -30°C Gradient / max. fluctuation 52°C° / 4.8°C³ Housing material/colour steel / white Door material Chrome-nickel steel (1.4301 / AISI 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 480 / 638 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Type of lock mechanical Type of lock mechanical Type of lock mechanical Tight, reversible on site Gross/net weight 150/132 kg	Energy consumption in 365 days	774 kWh ¹
Refrigerant R 290 Noise output 60 dB(A) Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range -9°C to -30°C Gradient / max. fluctuation 52°C 2' / 4.8°C 3' Housing material/colour steel / white Door material Chrome-nickel steel (1.4301 / AIS1 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity type SmartModule Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 480 / 638 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Type of lock mechanical Type of lock first, reversible on site Gross/net weight 150/132 kg	Ambient temperature range	+10 °C to +35 °C
Noise output 60 dB(A) Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range -9°C to -30°C Gradient / max. fluctuation 5.2°C² / 4.8°C³ Housing material/colour steel / white Door material steel Liner Material Chrome-nickel steel (1.4301 / AISI 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight 150/132 kg	Heat output	975 kJ/h
Frequency / voltage  Cooling system  forced-air  Defrosting  automatic  Temperature range  -9 °C to -30 °C  Gradient / max. fluctuation  5.2 °C ² / 4.8 °C ³  Housing material / colour  Steel / white  Door material  Liner Material  Chrome-nickel steel (1.4301 / AISI 304)  Type of Control  Monochrome display, touch buttons  Alarm in case of malfunction  visual and audible  Power failure alarm  when mains power return  volt-free alarm contact  yes  Connectivity type  SmartModule  Connectivity solution  retrofittable  Interface  WLAN/LAN (optional)  Interior light  Adjustable Shelving  Adjustable Shelving  Adjustable Shelving  Adjustable Shelving  Shelf material  Wire shelves plastic-coated  Usable shelf area in mm (w / d)  Shelf material  wire shelves plastic coated  Usable shelf area in mm (w / d)  Access ports  Castors  Castors with brake at the front, fixed castors at the rear  Handle  Vertical recessed handle  Access ports  1 x Ø 12 mm  Type of lock  mechanical  Door hinges  right, reversible on site  Gross/net weight	Refrigerant	R 290
Cooling system forced-air  Defrosting automatic  Temperature range -9°C to -30°C  Gradient / max. fluctuation 5.2°C²/4.8°C³  Housing material/colour steel / white  Door material steel Liner Material Chrome-nickel steel (1.4301 / AISI 304)  Type of Control monochrome display, touch buttons  Alarm in case of malfunction visual and audible  Power failure alarm when mains power return  volt-free alarm contact yes  Connectivity type SmartModule  Connectivity solution retrofittable  Interface WLAN/LAN (optional)  Interior light LED ceiling lighting  Adjustable Shelving 4  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Castors castors with brake at the front, fixed castors at the rear  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Gross/net weight 150/132 kg	Noise output	60 dB(A)
Defrosting automatic Temperature range9 °C to -30 °C Gradient / max. fluctuation .5.2 °C 2 / 4.8 °C 3 Housing material/colour steel / white Door material steel Liner Material Chrome-nickel steel (1.4301 / AISI 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving .4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading .60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports .1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight .150/132 kg	Frequency / voltage	50 Hz / 220-240 V~
Temperature range	Cooling system	forced-air
Gradient / max. fluctuation 5.2 °C ² / 4.8 °C ³ Housing material colour steel / white Door material steel Liner Material Chrome-nickel steel (1.4301 / AISI 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight 150/132 kg	Defrosting	automatic
Housing material/colour  Door material  Liner Material  Chrome-nickel steel (1.4301 / AISI 304) Type of Control  Monochrome display, touch buttons Alarm in case of malfunction  Power failure alarm  when mains power return  volt-free alarm contact  yes  Connectivity type  SmartModule  Connectivity solution  retrofittable Interface  WLAN/LAN (optional) Interior light  LED ceiling lighting  Adjustable Shelving  4  Shelf neading  60 kg  Castors  castors with brake at the front, fixed castors at the rear  Handle  Access ports  1 x Ø 12 mm  Type of lock  mechanical  Door hinges  right, reversible on site  Gross/net weight  150/132 kg	Temperature range	-9 °C to -30 °C
Door materialsteelLiner MaterialChrome-nickel steel (1.4301 / AISI 304)Type of Controlmonochrome display, touch buttonsAlarm in case of malfunctionvisual and audiblePower failure alarmwhen mains power returnvolt-free alarm contactyesConnectivity typeSmartModuleConnectivity solutionretrofittableInterfaceWLAN/LAN (optional)Interior lightLED ceiling lightingAdjustable Shelving4Shelf materialwire shelves plastic-coatedUsable shelf area in mm (w / d)480 / 638Shelf loading60 kgCastorscastors with brake at the front, fixed castors at the rearHandlevertical recessed handleAccess ports1 x Ø 12 mmType of lockmechanicalDoor hingesright, reversible on siteGross/net weight150/132 kg	Gradient / max. fluctuation	5.2 °C ² / 4.8 °C ³
Liner Material Chrome-nickel steel (1.4301 / AISI 304) Type of Control monochrome display, touch buttons Alarm in case of malfunction visual and audible Power failure alarm when mains power return volt-free alarm contact yes Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight 150/132 kg	Housing material/colour	steel / white
Type of Control monochrome display, touch buttons  Alarm in case of malfunction visual and audible  Power failure alarm when mains power return  volt-free alarm contact yes  Connectivity type SmartModule  Connectivity solution retrofittable  Interface WLAN/LAN (optional)  Interior light LED ceiling lighting  Adjustable Shelving 4  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Castors castors with brake at the front, fixed castors at the rear  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Door hinges right, reversible on site  Gross/net weight 150/132 kg	Door material	steel
Alarm in case of malfunction visual and audible  Power failure alarm when mains power return  volt-free alarm contact yes  Connectivity type SmartModule  Connectivity solution retrofittable  Interface WLAN/LAN (optional)  Interior light LED ceiling lighting  Adjustable Shelving 4  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Castors castors with brake at the front, fixed castors at the rear  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Door hinges right, reversible on site  Gross/net weight 150/132 kg	Liner Material	Chrome-nickel steel (1.4301 / AISI 304)
Power failure alarm       when mains power return         volt-free alarm contact       yes         Connectivity type       SmartModule         Connectivity solution       retrofittable         Interface       WLAN/LAN (optional)         Interior light       LED ceiling lighting         Adjustable Shelving       4         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Castors       castors with brake at the front, fixed castors at the rear         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       right, reversible on site         Gross/net weight       150/132 kg	Type of Control	monochrome display, touch buttons
volt-free alarm contact       yes         Connectivity type       SmartModule         Connectivity solution       retrofittable         Interface       WLAN/LAN (optional)         Interior light       LED ceiling lighting         Adjustable Shelving       4         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Castors       castors with brake at the front, fixed castors at the rear         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       right, reversible on site         Gross/net weight       150/132 kg	Alarm in case of malfunction	visual and audible
Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight	Power failure alarm	when mains power return
Connectivity solution       retrofittable         Interface       WLAN/LAN (optional)         Interior light       LED ceiling lighting         Adjustable Shelving       4         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Castors       castors with brake at the front, fixed castors at the rear         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       right, reversible on site         Gross/net weight       150/132 kg	volt-free alarm contact	yes
Interface WLAN/LAN (optional) Interior light LED ceiling lighting Adjustable Shelving 4 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Castors castors with brake at the front, fixed castors at the rear Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges right, reversible on site Gross/net weight 150/132 kg	Connectivity type	SmartModule
Interior light  Adjustable Shelving  Adjustable Shelving  Shelf material  Usable shelf area in mm (w / d)  Shelf loading  Castors  Castors with brake at the front, fixed castors at the rear  Handle  Access ports  1 x Ø 12 mm  Type of lock  Door hinges  Gross/net weight  LED ceiling lighting  4  4  Castors  Shelf verical recessed handle  Access ports  1 x Ø 12 mm  Type of lock  Tight, reversible on site	Connectivity solution	retrofittable
Adjustable Shelving  Shelf material  Wire shelves plastic-coated  Usable shelf area in mm (w / d)  Shelf loading  Castors  Castors with brake at the front, fixed castors at the rear  Handle  Access ports  Type of lock  Door hinges  Gross/net weight  Adjustable Shelving  4  4  4  4  4  4  4  4  4  4  4  4  4	Interface	WLAN/LAN (optional)
Shelf material     wire shelves plastic-coated       Usable shelf area in mm (w / d)     480 / 638       Shelf loading     60 kg       Castors     castors with brake at the front, fixed castors at the rear       Handle     vertical recessed handle       Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     right, reversible on site       Gross/net weight     150/132 kg	Interior light	LED ceiling lighting
Usable shelf area in mm (w / d)  Shelf loading  Castors  Castors with brake at the front, fixed castors at the rear  Handle  Access ports  Type of lock  Door hinges  Gross/net weight  480 / 638  480 / 638  60 kg  Castors  Castors with brake at the front, fixed castors at the rear  1 x Ø 12 mm  Type of lock  Tight, reversible on site	Adjustable Shelving	4
Shelf loading $60 \text{ kg}$ Castorscastors with brake at the front, fixed castors at the rearHandlevertical recessed handleAccess ports $1 \times \emptyset 12 \text{ mm}$ Type of lockmechanicalDoor hingesright, reversible on siteGross/net weight $150/132 \text{ kg}$	Shelf material	wire shelves plastic-coated
Castors     castors with brake at the front, fixed castors at the rear       Handle     vertical recessed handle       Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     right, reversible on site       Gross/net weight     150/132 kg	Usable shelf area in mm (w / d)	480 / 638
Handlevertical recessed handleAccess ports $1 \times \emptyset 12 \text{ mm}$ Type of lockmechanicalDoor hingesright, reversible on siteGross/net weight $150/132 \text{ kg}$	Shelf loading	60 kg
Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     right, reversible on site       Gross/net weight     150/132 kg	Castors	castors with brake at the front, fixed castors at the rear
Type of lock mechanical Door hinges right, reversible on site Gross/net weight 150/132 kg	Handle	vertical recessed handle
Door hingesright, reversible on siteGross/net weight150/132 kg	Access ports	1 x Ø 12 mm
Gross/net weight 150/132 kg	Type of lock	mechanical
		right, reversible on site
<b>EAN-Nr.</b> 9005382249697	Gross/net weight	150/132 kg
	EAN-Nr.	9005382249697



 $<sup>^{1}</sup>$  Measured at +25 °C ambient temperature and +5 °C set temperature for fridges and -20 °C for freezers.

<sup>&</sup>lt;sup>2</sup> Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration

 $<sup>^{\</sup>rm s}$  Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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