## **SRPvg 1412**

## Laboratory refrigerator with convection cooling **Performance**











| Ext. dimensions in mm (w/d/h)         1427/867/2135           Int. dimensions in mm (w/d/h)         1210/638/1493           Energy consumption in 365 days         724 kWh 1           Ambient temperature range         +10 °C to +35 °C           Heat output         650 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         0 °C to +16 °C           Gradient / max. fluctuation         3.1 °C ' / 2.9 °C ³           Housing material/colour         steel / white           Door material         Isolierglastiir mit Stahltrahmen           Liner Material         Chrome-nickel steel (1.4301 / AISI 304)           Type of Control         monochrome display, touch button           Alarm in case of malfunction         visual and auditolate           Power failure alarm contact         yes           Connectivity type         SmartModule           Connectivity type         SmartModule           Connectivity type         SmartModule           Connectivity type         SmartModule           Adjustable Shelving         8  | Gross/net capacity              | 1447/1091 (                                  |
|--|---------------------------------|--|
| Energy consumption in 365 days     724 kWh¹       Ambient temperature range     +10 °C to +35 °C       Heat output     650 kJ/h       Refrigerant     R 290       Noise output     60 dBc/J       Frequency / voltage     50 Hz / 220-240 V-       Cooling system     forced-air       Defrosting     automatic       Temperature range     0 °C to +16 °C       Gradient / max. fluctuation     3.1 °C ² / 29 °C ³       Housing material/colour     steel / white       Door material     Isolierglastür mit Stahlrahmen       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     Smarthdoule       Connectivity solution     retrofittable       Interface     WLAN/LAN (optional)       Interface in mm (w / d)     480 / 638       Shelf loading     60 kg       Maximum total load     480 kg       Castors<   | Ext. dimensions in mm (w/d/h)   | 1427/867/2135                                |
| Ambient temperature range  | Int. dimensions in mm (w/d/h)   | 1210/638/1493                                |
| Heat output 650 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 0°C to *16 °C Gradient / max. fluctuation 3.1 °C² / 2.9 °C³ Housing material/colour steel / white Door material Isolierglastür mit Stahlrahmen 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 light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg   | Energy consumption in 365 days  | 724 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 0°C to +16°C Gradient / max. fluctuation 3.1°C² / 2.9°C³ Housing material/colour steel / white Door material Isolierglastür mit Stahlrahmen 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 light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg   | Ambient temperature range       | +10 °C to +35 °C                             |
| Noise output 6.0 dB(A) Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range 0°C to +16 °C Gradient / max. fluctuation 3.1 °C ² / 2.9 °C ³ Housing material lsolierglastür mit Stahlrahmen Liner Material Solierglastür mit Stahlrahmen 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 light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg   | Heat output                     | 650 kJ/h                                     |
| Frequency / voltage  Cooling system  Defrosting  Gradient / max. fluctuation  Housing material / colour  Boor material  Liner Material  Liner Material  Chrome-nickel steel (1.4301 / AISI 304)  Type of Control  Malarm in case of malfunction  Power failure alarm  when mains power return  volt-free alarm contact  Connectivity type  SmartModule  Connectivity solution  Interface  WLAN/LAN (optional)  Interface  Wable shelf area in mm (w / d)  Shelf material  Wire shelves plastic-coated  Usable shelf area in mm (w / d)  Shelf loading  60 kg  Maximum total load  480 kg  Castors  5 swivel castors, 2 with parking brake  Handle  Vertical recessed handle  Access ports  1 x Ø 12 mm  Type of lock  mechanical  Gross/net weight  263/238 kg   | Refrigerant                     | R 290  |
| Cooling system forced-air  Defrosting automatic  Temperature range 0 °C to +16 °C  Gradient / max. fluctuation 3.1 °C ² / 2.9 °C ³  Housing material/colour steel / white  Door material Isolierglastür mit Stahlrahmen  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 light strip with separate switch  Adjustable Shelving 8  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Maximum total load 480 kg  Castors 5 swivel castors, 2 with parking brake  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Gross/net weight 263/238 kg  | Noise output                    | 60 dB(A)                                     |
| Defrosting       automatic         Temperature range       0 °C to +16 °C         Gradient / max. fluctuation       3.1 °C ² / 2.9 °C ³         Housing material/colour       steel / white         Door material       Isolierglastür mit Stahlrahmen         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 light strip with separate switch         Adjustable Shelving       8         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Maximum total load       480 kg         Castors       5 swivel castors, 2 with parking brake         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       left hand / ri  | Frequency / voltage             | 50 Hz / 220-240 V~                           |
| Temperature range 0 °C to +16 °C Gradient / max. fluctuation 3.1 °C 2 / 2.9 °C 3 Housing material/colour steel / white Door material Isolierglastür mit Stahlrahmen 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 light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg   | Cooling system                  | forced-air                                   |
| Gradient / max. fluctuation  ### Rousing material colour  ### Boor material  ### Door mat | Defrosting                      | automatic                                    |
| Housing material/colour       steel / white         Door material       Isolierglastür mit Stahlrahmen         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 light strip with separate switch         Adjustable Shelving       8         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Maximum total load       480 kg         Castors       5 swivel castors, 2 with parking brake         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       left hand / right hand         Gross/net weight       263/238 kg  | Temperature range               | 0 °C to +16 °C                               |
| Door materialIsolierglastür mit StahlrahmenLiner 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 light strip with separate switchAdjustable Shelving8Shelf materialwire shelves plastic-coatedUsable shelf area in mm (w / d)480 / 638Shelf loading60 kgMaximum total load480 kgCastors5 swivel castors, 2 with parking brakeHandlevertical recessed handleAccess ports1 x Ø 12 mmType of lockmechanicalDoor hingesleft hand / right handGross/net weight263/238 kg   | Gradient / max. fluctuation     | 3.1 °C ² / 2.9 °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 light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight  | 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 light strip with separate switch  Adjustable Shelving 8  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Maximum total load 480 kg  Castors 5 swivel castors, 2 with parking brake  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Door hinges left hand / right hand  Gross/net weight 263/238 kg  | Door material                   | Isolierglastür mit Stahlrahmen               |
| 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 light strip with separate switch  Adjustable Shelving 8  Shelf material wire shelves plastic-coated  Usable shelf area in mm (w / d) 480 / 638  Shelf loading 60 kg  Maximum total load 480 kg  Castors 5 swivel castors, 2 with parking brake  Handle vertical recessed handle  Access ports 1 x Ø 12 mm  Type of lock mechanical  Door hinges left hand / right hand  Gross/net weight 263/238 kg   | Liner Material                  | Chrome-nickel steel (1.4301 / AISI 304)      |
| Power failure alarmwhen mains power returnvolt-free alarm contactyesConnectivity typeSmartModuleConnectivity solutionretrofittableInterfaceWLAN/LAN (optional)Interior lightLED ceiling light strip with separate switchAdjustable Shelving8Shelf materialwire shelves plastic-coatedUsable shelf area in mm (w / d)480 / 638Shelf loading60 kgMaximum total load480 kgCastors5 swivel castors, 2 with parking brakeHandlevertical recessed handleAccess ports1 x Ø 12 mmType of lockmechanicalDoor hingesleft hand / right handGross/net weight263/238 kg   | Type of Control                 | monochrome display, touch buttons            |
| volt-free alarm contactyesConnectivity typeSmartModuleConnectivity solutionretrofittableInterfaceWLAN/LAN (optional)Interior lightLED ceiling light strip with separate switchAdjustable Shelving8Shelf materialwire shelves plastic-coatedUsable shelf area in mm (w / d)480 / 638Shelf loading60 kgMaximum total load480 kgCastors5 swivel castors, 2 with parking brakeHandlevertical recessed handleAccess ports1 x Ø 12 mmType of lockmechanicalDoor hingesleft hand / right handGross/net weight263/238 kg   | Alarm in case of malfunction    | visual and audible                           |
| Connectivity type SmartModule Connectivity solution retrofittable Interface WLAN/LAN (optional) Interior light LED ceiling light strip with separate switch Adjustable Shelving 8 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 480 / 638 Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg  | Power failure alarm             | when mains power return                      |
| Connectivity solution       retrofittable         Interface       WLAN/LAN (optional)         Interior light       LED ceiling light strip with separate switch         Adjustable Shelving       8         Shelf material       wire shelves plastic-coated         Usable shelf area in mm (w / d)       480 / 638         Shelf loading       60 kg         Maximum total load       480 kg         Castors       5 swivel castors, 2 with parking brake         Handle       vertical recessed handle         Access ports       1 x Ø 12 mm         Type of lock       mechanical         Door hinges       left hand / right hand         Gross/net weight       263/238 kg  | volt-free alarm contact         | yes  |
| Interface     WLAN/LAN (optional)       Interior light     LED ceiling light strip with separate switch       Adjustable Shelving     8       Shelf material     wire shelves plastic-coated       Usable shelf area in mm (w / d)     480 / 638       Shelf loading     60 kg       Maximum total load     480 kg       Castors     5 swivel castors, 2 with parking brake       Handle     vertical recessed handle       Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     left hand / right hand       Gross/net weight     263/238 kg  | Connectivity type               | SmartModule                                  |
| Interior light  Adjustable Shelving  Shelf material  Usable shelf area in mm (w / d)  Shelf loading  Maximum total load  Castors  5 swivel castors, 2 with parking brake  Handle  Access ports  1 x Ø 12 mm  Type of lock  Door hinges  LED ceiling light strip with separate switch  8  8  Replace Shelf separate switch  8  8  Shelf wire shelves plastic-coated  480 / 638  60 kg  480 kg  Castors  5 swivel castors, 2 with parking brake  1 x Ø 12 mm  Type of lock  Mechanical  Door hinges  Left hand / right hand  Gross/net weight  | Connectivity solution           | retrofittable                                |
| Adjustable Shelving  Shelf material  Usable shelf area in mm (w / d)  Shelf loading  Maximum total load  Castors  Source  Final wire shelves plastic-coated  480 / 638  Shelf loading  Maximum total load  480 kg  Castors  Source  Source  Source  Type of lock  Door hinges  Left hand / right hand  Gross/net weight  | Interface                       | WLAN/LAN (optional)                          |
| Shelf material     wire shelves plastic-coated       Usable shelf area in mm (w / d)     480 / 638       Shelf loading     60 kg       Maximum total load     480 kg       Castors     5 swivel castors, 2 with parking brake       Handle     vertical recessed handle       Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     left hand / right hand       Gross/net weight     263/238 kg  | Interior light                  | LED ceiling light strip with separate switch |
| Usable shelf area in mm (w / d)  Shelf loading 60 kg Maximum total load 480 kg Castors 5 swivel castors, 2 with parking brake Handle vertical recessed handle Access ports 1 x Ø 12 mm Type of lock mechanical Door hinges left hand / right hand Gross/net weight 263/238 kg  | Adjustable Shelving             | 8  |
| Shelf loading60 kgMaximum total load480 kgCastors5 swivel castors, 2 with parking brakeHandlevertical recessed handleAccess ports1 x Ø 12 mmType of lockmechanicalDoor hingesleft hand / right handGross/net weight263/238 kg  | Shelf material                  | wire shelves plastic-coated                  |
| Maximum total load $480 \text{ kg}$ Castors $5 \text{ swivel castors, } 2 \text{ with parking brake}$ Handlevertical recessed handleAccess ports $1 \times \emptyset 12 \text{ mm}$ Type of lockmechanicalDoor hingesleft hand / right handGross/net weight $263/238 \text{ kg}$   | Usable shelf area in mm (w / d) | 480 / 638                                    |
| Castors     5 swivel castors, 2 with parking brake       Handle     vertical recessed handle       Access ports     1 x Ø 12 mm       Type of lock     mechanical       Door hinges     left hand / right hand       Gross/net weight     263/238 kg   | Shelf loading                   | 60 kg  |
| Handlevertical recessed handleAccess ports $1 \times \emptyset 12 \text{ mm}$ Type of lockmechanicalDoor hingesleft hand / right handGross/net weight $263/238 \text{ kg}$   | Maximum total load              | 480 kg                                       |
| Access ports1 x Ø 12 mmType of lockmechanicalDoor hingesleft hand / right handGross/net weight263/238 kg   | Castors                         | 5 swivel castors, 2 with parking brake       |
| Type of lock mechanical  Door hinges left hand / right hand  Gross/net weight 263/238 kg   | Handle                          | vertical recessed handle                     |
| Door hingesleft hand / right handGross/net weight263/238 kg  | Access ports                    | 1 x Ø 12 mm                                  |
| Gross/net weight         263/238 kg  | Type of lock                    | mechanical                                   |
| <del>-</del>   | Door hinges                     | left hand / right hand                       |
| <b>EAN-Nr.</b> 9005382248850   | Gross/net weight                | 263/238 kg                                   |
|  | EAN-Nr.                         | 9005382248850                                |



 $<sup>^{1}</sup>$  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,

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



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