# National Lab

# Laboratory Refrigerators and Freezers

**2015**

* Refrigerators and Upright Freezers
* Bloodbank Refrigerators and Freezers
* Chest Freezers
* Temperature Monitoring and Recording Systems
* Recirculating Chillers

MedLab



ProfiMaster *Mini*



ProfiLine Taurus



ProfiCool *Minimus*



ProfiLine Pegasus



ProfiFrost



LabStar Sirius



AirCool *Ventus*

# Laboratory Refrigerators and Freezers

## Table of Contents

### Interesting Links:

www.Kryobox.de

www.Probenaufbewahrung.de

www.Proficool.de

www.Wasser-wasser-waermetauscher.de

www.Weinkuehlung.org

Http://www.catalopedia.de

CE

Reg.  KAT-UEB-LAB-EN-140127

Matching storage systems can be found in our catalogue "Inventory Systems for Freezers and Refrigerators".

## Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Micro-processor driven temperature controller with digital display and password protection
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Power failure alarm
  - Probe failure alarm
  - Temperature controller failure alarm
  - Door alarm
  - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- External housing made of white, galvanized steel plate, optional made of stainless steel (CNS)
- Lockable door, door hinges on right
- Insulated inner doors to minimize cold air loss
- Interior made of stainless steel CNS
- Height adjustable feet

ProfiLine Pegasus PLPE 0186EWN
(With accessories Inventory Systems. See sep. brochure.)

| Model ProfiLine Pegasus | | PLPE 0186 |
|---|---|---|
| Version | | EWN/EEN |
| Temperature range | °C: | -40/-90 |
| Content | litres (gross): | 7 |
| Ext. dimensions (WxDxH) | mm: | 400x630x665 |
| Int. dimensions (WxDxH) | mm: | 150x143x310 |
| Depth with door opened | mm: | 960 |
| Weight | kgs: | 54 |
| Mains connection | : | 1/N/PE ~ 230 V 50-60 Hz |
| Shipping dimensions (WxDxH) | mm: | 500x820x860 |
| Shipping weight | kgs: | 69 |
| Refrigerant CFC- and HCFC-free | : | EP88 |

| ProfiLine Pegasus + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiLine Pegasus PLPE 0186EWN | white / CNS | GSPLPE0186EWN |
| ProfiLine Pegasus PLPE 0186EEN | CNS / CNS | GSPLPE0186EEN |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZXX2-020-2L |
| CO$_2$ back-up system, free-standing. | | ZXX2-093 |
| Facilities for customer connection of CO$_2$ back-up system. | | ZPLPE2-094 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

**Innovation prize**

### ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

## Storage system alternatives with boxes up to external dimensions (WxD) 136x136 mm.

Plastic boxes made of Polypropylene

Boxes and grid dividers made of fiberboard

Plastic boxes made of Polycarbonate

Plastic boxes made of Polypropylene

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

Reg. PLPE0186-DB-EN-140814

Performance figures at an ambient temperature of + 25°C and a relative humidity of 60%.

**A.015**

## Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Most reliable and less complicated compressor technology from Danfoss
- Electronic control with digital display
  - Visual/audible alarm device
  - Power failure alarm
- No-volt remote alarm contact for connection to an alarm system on the premises
- Rechargeable battery for full retention of all controller features
- Lockable door, door hinges on right
- Interior made of stainless steel CNS (hygienic and easy to clean)

ProfiLine Pegasus PLPE 0486
(With accessories Inventory Systems. See sep. brochure.)

| Model ProfiLine Pegasus | | PLPE 0486 |
|---|---|---|
| Temperature range | °C: | -60/-80 |
| Content litres | litres (gross): | 35 |
| Ext.dimensions (WxDxH) | mm: | 490x650x670 |
| Int. Dimensions (WxDxH) | mm: | 330x355x300 |
| Depth with door opened | mm: | 1070 |
| Weight | kgs: | 60 |
| Mains connection | : | 1/N/PE ~ 230 V 50-60 Hz |
| Shipping dimensions (WxDxH) | mm: | 800x600x875 |
| Shipping weight | kgs: | 80 |
| Refrigerant CFC- and HCFC-free | : | EP88 |

**Alternative units:** ProfiMaster PMU0452.

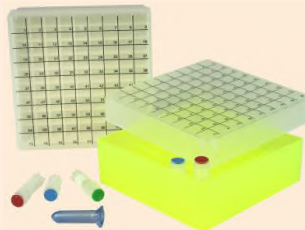| ProfiLine Pegasus + Accessories: | Cat. No. |
|---|---|
| ProfiLine Pegasus PLPE 0486 | GSPLPE0486 |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Temperature recorder, 7 days, circular chart. | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| $CO_2$ back-up system, free-standing. | ZXX2-093 |
| Facilities for customer connection of $CO_2$ back-up system. | ZPLPE2-094 |
| Storage set (see below). | on request |
| Stainless steel insert with drawers (see below). | see table |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Innovation prize

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

## Storage System (modifiable)

### Storage Set (modifiable)

### Stainless Steel Insert with 3 Drawers (modifiable)

| Drawers | Height (mm) | Cat. No. |
|---|---|---|
| 2 | 140 | ZPLPE3-002 |
| 3 | 91 | ZPLPE3-003 |
| 4 | 67 | ZPLPE3-004 |
| 5 | 52 | ZPLPE3-005 |
| 6 | 43 | ZPLPE3-006 |
| 7 | 36 | ZPLPE3-007 |
| 8 | 31 | ZPLPE3-008 |
| 9 | 27 | ZPLPE3-009 |
| 10 | 24 | ZPLPE3-010 |

Height= Effective internal height of each drawer

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

## Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- Micro-processor driven temperature controller with digital display and password protection
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Power failure alarm
  - Probe failure alarm
  - Door alarm
  - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- External housing made of white, galvanized steel plate
- Lockable door, door hinges on right
- Insulated inner doors to minimize cold air loss
- Interior made of stainless steel CNS
- Duct to storage compartment
- front feet of cabinet allow for height adjustment, two castors at rear


ProfiLine Pegasus PLPE 06xxEWN


ProfiLine Pegasus PLPE 12xxEWN

| Model ProfiLine Pegasus | | PLPE0640 | PLPE0686 | PLPE1240 | PLPE1286 |
|---|---|---|---|---|---|
| Version | | EWN/EEN | EWN/EEN | EWN/EEN | EWN/EEN |
| Temperature range | ℃: | -20/-40 | -40/-86 | -20/-40 | -40/-86 |
| Content litres | litres (gross): | 55 | | 115 | |
| Ext. dimensions (WxDxH) | mm: | 600x700x815 | | 950x725x810 | |
| Int. dimensions (WxDxH) | mm: | 360x505x310 | | 360x493x530 | |
| Compartments/inner doors | : | 1/1 | | 2/2 (2x260 mm in height) | |
| Depth with door opened | mm: | 1200 | | 1225 | |
| Weight | kgs: | 80 | | 100 | |
| Mains connection | : | 1/N/PE ~ 230 V 50-60 Hz | | 1/N/PE ~ 230 V 50-60 Hz | |
| Shipping dimensions (WxDxH) | mm: | 660x800x1000* | | 1010x800x1000* | |
| Shipping weight | kgs: | 100* | | 130* | |
| Refrigerant CFC- and HCFC-free | : | R404A | EP88 | R404A | EP88 |

\* Shipping in a wooden crate.

| Model | Outside/Insid | Cat. No. | Outside/Insid | Cat. No. |
|---|---|---|---|---|
| PLPE0640... | EWN: white/CNS | GSPLPE0640EWN | EEN: CNS/CNS | GSPLPE0640EEN |
| PLPE0686... | EWN: white/CNS | GSPLPE0686EWN | EEN: CNS/CNS | GSPLPE0686EEN |
| PLPE1240... | EWN: white/CNS | GSPLPE1240EWN | EEN: CNS/CNS | GSPLPE1240EEN |
| PLPE1286... | EWN: white/CNS | GSPLPE1286EWN | EEN: CNS/CNS | GSPLPE1286EEN |

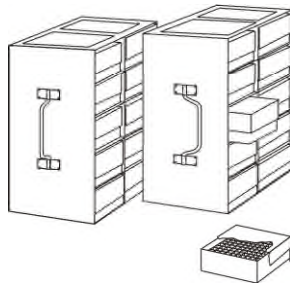| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| CO$_2$ back-up system, free-standing. | ZXX2-093 |
| Facilities for customer connection of CO$_2$ back-up system. | ZPLPE2-094 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Innovation prize



**ProfiTec**
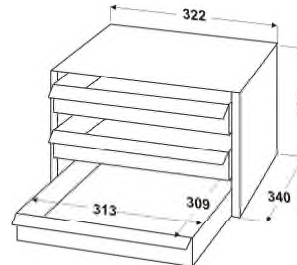**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

## Storage System Alternatives


Stainless steel horizontal racks


Stainless steel drawer racks




Microtiter stainless steel drawer racks


Stainless steel insert with drawers

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

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Reg. PLPE0640-1286-DB-EN-140814

Performance figures at an ambient temperature of +25°C and a relative humidity of 60%.

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## Laboratory Upright Freezer ProfiMaster PMU

- Alternatively with forced air circulation or static cooling
- Micro-processor driven temperature controller with digital display
  - Alarm device with independent circuit, visual/audible
  - No-volt remote alarm contact for connection to an alarm system on the premises
  - RS 485 port
- Exterior case contains stainless steel (CNS)
- Door lockable, door hinges on right
- Interior made of stainless steel (CNS)
- 1 height adjustable shelf
- Duct to storage compartment
- Height adjustable feet

ProfiMaster PMU0452EEN

| Model ProfiMaster | | PMU0452EEU | PMU0452EEN |
|---|---|---|---|
| Temperature range | °C: | -10/-45 | -10/-45 |
| | : | Other temperature ranges available on request. | |
| | : | Forced air circulation | Static cooling |
| Content | litres (gross): | 43 | 54 |
| Ext. dimensions (WxDxH) | mm: | 720x805x670 | 720x805x670 |
| Int. dimensions (WxDxH) | mm: | 480x275x330 | 480x340x330 |
| Weight | kgs: | 68 | 65 |
| Mains connection | : | 1/N/PE ~ 230 V 50 Hz | 1/N/PE ~ 230 V 50 Hz |
| Shipping dimensions (WxDxH) | mm: | 820x905x770 | 820x905x770 |
| Shipping weight | kgs: | 77 | 74 |
| Refrigerant CFC- and HCFC-free | : | R507 | R507 |

**Alternative units:**   ProfiLine Pegasus PLPE 0486 and ProfiLine Uranus.

| ProfiMaster + Accessories | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiMaster PMU0452EEU | CNS / CNS | GSPMU0452EEU |
| ProfiMaster PMU0452EEN | CNS / CNS | GSPMU0452EEN |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZPM2-023-2L |
| Shelf 440x248 mm (WxD) for PMU0452EEU in the fan area. | | ZPMU4-440x248 |
| Shelf 440x310 mm (WxD). | | ZPMU4-440x310 |
| Angular guide rails for shelf (1 pair). | | ZPMU4-024 |
| Stainless steel insert with drawers (see below). Boxes optional. | | on request |
| Stainless steel horizontal racks. | | on request |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

*Innovation prize*

### ProfiTec
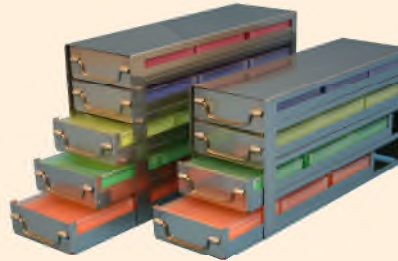**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
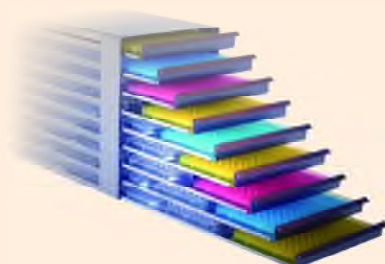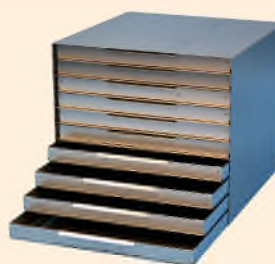- The measuring protocol can be fed to PC via RS 232 port

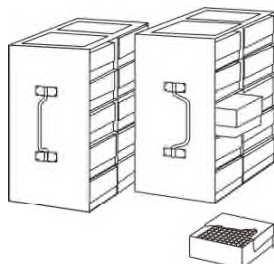Please ask for a personal fitting option.

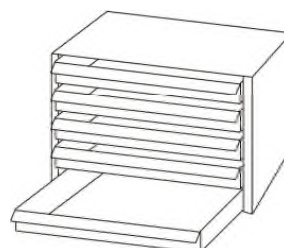Recommendations for additional storage sets can be found in our separate catalogue.

## Storage System Alternatives

### Stainless steel horizontal racks (modifiable)

### Stainless steel insert with drawers (modifiable)
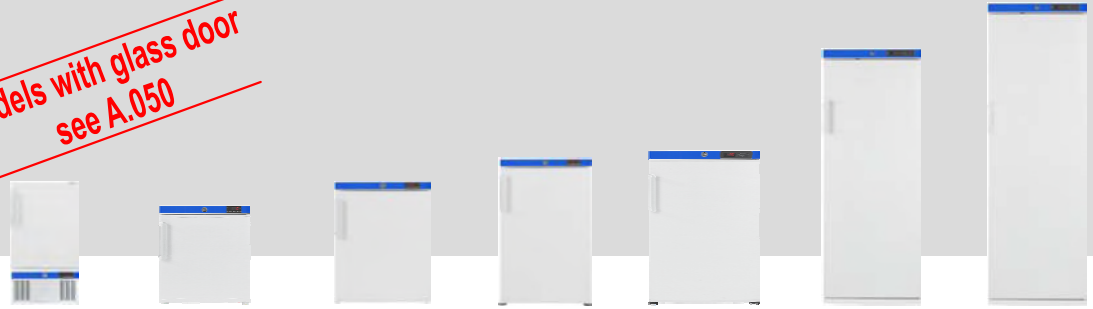
**Models with solid door see A.051**

| Model No. | ML0406GWU | ML0806GWU | ML1006GWU | ML1506GWU | ML3006GWU | ML3506GWU |
|---|---|---|---|---|---|---|
| Temperature range | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C |
| Forced air circulation | Yes | Yes | Yes | Yes | Yes | Yes |
| Defrost (automatic / manual) | automatic | automatic | automatic | automatic | automatic | automatic |
| Electronic controller | Yes | Yes | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes | Yes | Yes | Yes |
| Open door alarm | Yes | Yes | Yes | Yes | Yes | Yes |
| No-volt remote alarm | No | No | Yes | Yes | Yes | Yes |
| External finish | painted steel plate | painted steel plate | painted steel plate | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white | white | white | white |
| Lock | Yes | Yes | Yes | Yes | Yes | Yes |
| Door type | glass door | glass door | glass door | glass door | glass door | glass door |
| Door hinges | not changeable | changeable | changeable | changeable | changeable | changeable |
| Door seal | not changeable | changeable | changeable | changeable | changeable | changeable |
| Internal finish | plastic, white | plastic, white | plastic, white | plastic, white | plastic, white | plastic, white |
| Interior light | No | Yes | Yes | Yes | Yes | Yes |
| Spark free | No | No | No | No | No | No |
| Shelves (number) | 2 | 2 | 2 | 3 | 5 | 6 |
| Shelf positions (number) | 5 | 2 | 4 | 6 | 12 | 14 |
| Shelf size (mm) (WxDxH) | 270x308x6 | 438x274x6 | 427x374x6 | 520x400x6 | 4: 500x385x6 1: 497x340x6 | 500x385x6 |
| Wire baskets (number) | 0 | 1 | 1 | 1 | 1 | 1 |
| Optional drawer system | Yes | Yes | Yes | Yes | Yes | Yes |
| Adjustable feet (number & position) | No | No | 1 front foot | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers |
| Gross capacity (l) | 41 | 82 | 107 | 151 | 273 | 353 |
| Net capacity (l) | 35 | 67 | 103 | 141 | 269 | 349 |
| External width (mm) | 379 | 502 | 495 | 595 | 595 | 595 |
| External depth (mm) | 500 | 540 | 620 | 635 | 660 | 660 |
| Door open depth (mm) | 810 | 976 | 1050 | 1165 | 1180 | 1180 |
| External height (mm) | 702 | 660 | 830 | 845 | 1565 | 1860 |
| Internal dimensions (mm) (WxDxH) | 245x310x400 | 419x320x540 | 403x400x700 | 500x450x705 step (DxH): 165x185 | 480x445x1382 step (DxH): 175x255 | 480x445x1682 step (DxH): 175x265 |
| Product weight (kg) | 25.5 | 30 | 36.5 | 42 | 68.5 | 79 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 | 750 | 750 | 750 |
| Packed height (mm) | 890 | 825 | 1000 | 1022 | 1735 | 2035 |
| Packed weight (kg) | 32.5 | 37 | 43.5 | 49 | 75.5 | 86 |
| Refrigerant type CFC / HCFC free | R134a | R134a | R134a | R600a | R600a | R600a |

Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

**National Lab GmbH • Refrigeration Technology**
Grambeker Weg 157 • D-23879 Moelln
Phone: +49 45 42 / 84 91 70 • Fax: +49 45 42 / 84 91 71
Email: LabSales@NationalLab.com • www.NationalLab.de

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**A.050**

Models with glass door see A.050

| Model No. | ML0406WU | ML0506WU | ML0806WU | ML1006WU | ML1506WU | ML3006WU | ML3506WU |
|---|---|---|---|---|---|---|---|
| Temperature range | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C | +2°C to +8°C |
| Forced air circulation | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Defrost (automatic / manual) | automatic | automatic | automatic | automatic | automatic | automatic | automatic |
| Electronic controller | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Open door alarm | Yes | No | Yes | Yes | Yes | Yes | Yes |
| No-volt remote alarm | No | No | No | Yes | Yes | Yes | Yes |
| External finish | painted steel plate | painted steel plate | painted steel plate | painted steel plate | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white | white | white | white | white |
| Lock | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Door type | solid door | solid door | solid door | solid door | solid door | solid door | solid door |
| Door hinges | not changeable | changeable | changeable | changeable | changeable | changeable | changeable |
| Door seal | not changeable | not changeable | not changeable | not changeable | not changeable | not changeable | not changeable |
| Internal finish | plastic, white | plastic, white | plastic, white | plastic, white | plastic, white | plastic, white | plastic, white |
| Interior light | No | No | No | No | No | Yes | Yes |
| Spark free | No | No | No | No | No | No | No |
| Shelves (number) | 2 | 1 | 2 | 2 | 3 | 5 | 6 |
| Shelf positions (number) | 5 | 1 | 2 | 4 | 6 | 12 | 14 |
| Shelf size (mm) (WxDxH) | 270x308x6 | 402x200x6 | 438x274x6 | 427x374x6 | 520x400x6 | 4: 500x385x6 1: 497x340x6 | 500x385x6 |
| Wire baskets (number) | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| Optional drawer system available | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Adjustable feet (number & position) | No | 2 front feet | No | 1 front foot | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers |
| Gross capacity (l) | 41 | 45 | 82 | 107 | 151 | 273 | 353 |
| Net capacity (l) | 35 | 37 | 67 | 103 | 141 | 269 | 349 |
| External width (mm) | 379 | 470 | 502 | 495 | 595 | 595 | 595 |
| External depth (mm) | 500 | 465 | 540 | 620 | 635 | 670 | 670 |
| Door open depth (mm) | 810 | 910 | 976 | 1050 | 1165 | 1185 | 1185 |
| External height (mm) | 702 | 530 | 660 | 830 | 845 | 1565 | 1860 |
| Internal dimensions (mm) (WxDxH) | 245x310x400 | 410x270x400 | 419x315x540 | 403x400x700 | 500x450x705 step (DxH): 165x185 | 480x445x1382 step (DxH): 175x 255 | 480x445x1682 step (DxH): 175x265 |
| Product weight (kg) | 23.5 | 20 | 27.5 | 31.5 | 37 | 60 | 69 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 | 750 | 750 | 750 | 750 |
| Packed height (mm) | 890 | 825 | 825 | 1000 | 1022 | 1735 | 2035 |
| Packed weight (kg) | 30.5 | 27 | 34.5 | 38.5 | 44 | 67 | 76 |
| Refrigerant type CFC / HCFC free | R134a | R134a | R134a | R134a | R600a | R600a | R600a |

Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

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**A.051**

A.052


ML0406GWU


ML0406WU


ML0806GWU


ML0806WU


ML1006GWU


ML1006WU


ML1506GWU


ML1506WU


ML3006GWU


ML3006GWU


ML3006WU


ML3006WU





Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

**National Lab GmbH • Refrigeration Technology**
Grambeker Weg 157 • D-23879 Moelln
Phone: +49 45 42 / 84 91 70 • Fax: +49 45 42 / 84 91 71
Email: LabSales@NationalLab.com • www.NationalLab.de

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A.052

| Model No. | ML0801WU | ML1501WU | ML3001WU |
|---|---|---|---|
| Temperature range | +1°C to +5°C | +1°C to +5°C | +1°C to +5°C |
| Forced air circulation | Yes | Yes | Yes |
| Defrost (automatic / manual) | automatic | automatic | automatic |
| Electronic controller | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes |
| Open door alarm | No | Yes | Yes |
| No-volt remote alarm | No | No | No |
| External finish | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white |
| Lock | Yes | Yes | Yes |
| Door type | solid door | solid door | solid door |
| Door hinges | changeable | changeable | changeable |
| Door seal | not changeable | not changeable | not changeable |
| Internal finish | plastic, white | plastic, white | plastic, white |
| Interior light | No | No | Yes |
| Spark free | No | No | No |
| Shelves (number) | 2 | 3 | 5 |
| Shelf positions (number) | 2 | 6 | 12 |
| Shelf size (mm) (WxDxH) | 440x275x6 | 520x320x6 | 497x340x6 |
| Drawers (number) | 0 | 0 | 1 |
| Wire baskets (number) | 1 | 1 | 0 |
| Door bins (number) | 0 | 2 (fixed) | 4 (adjustable) |
| Optional drawer system | Yes | Yes | Yes |
| Adjustable feet (number & position) | No | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers |
| Gross capacity (l) | 82 | 151 | 288 |
| Net capacity (l) | 67 | 145 | 284 |
| External width (mm) | 502 | 635 | 595 |
| External depth (mm) | 540 | 595 | 670 |
| Door open depth (mm) | 976 | 1165 | 1185 |
| External height (mm) | 660 | 845 | 1570 |
| Internal dimensions (mm) (WxDxH) | 419x315x540 step (DxH): 165x215 | 500x450x705 step (DxH): 165x210 | 480x445x1382 step (DxH): 200x260 |
| Product weight (kg) | 27.5 | 37 | 59 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 |
| Packed height (mm) | 825 | 1022 | 1735 |
| Packed weight (kg) | 34.5 | 44 | 66 |
| Refrigerant type CFC / HCFC free | R134a | R600a | R600a |

ML0801WU

ML0801WU with Inventory System (optional)

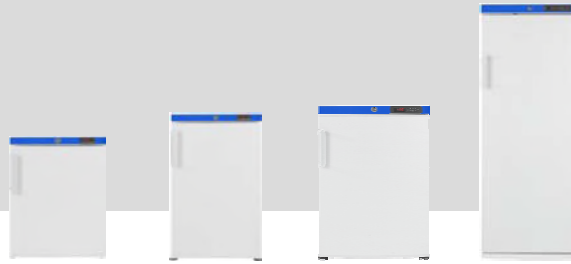ML1501WU

ML3001WU

ML3001WU with Inventory System (optional)

Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

**National Lab GmbH • Refrigeration Technology**
Grambeker Weg 157 • D-23879 Moelln
Phone: +49 45 42 / 84 91 70 • Fax: +49 45 42 / 84 91 71
Email: LabSales@NationalLab.com • www.NationalLab.de

CE

**A.053**

# National Lab

# Laboratory Refrigerators MedLab
## +2°C to +10°C, Static Cooling


ML0806WN


ML0806WN with Inventory System (optional)


ML1006WN


ML1006WN with Inventory System (optional)


ML1506WN
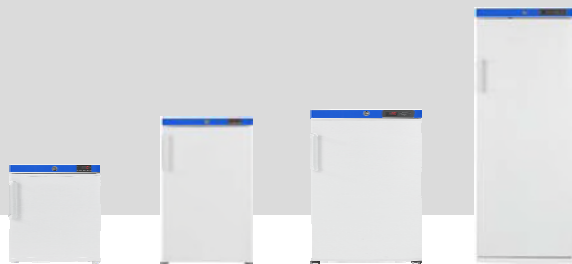

ML1506WN with Inventory System (optional)


ML3006WN

| Model No. | ML0806WN | ML1006WN | ML1506WN | ML3006WN |
|---|---|---|---|---|
| Temperature range | +2°C to +10°C | +2°C to +10°C | +2°C to +10°C | +2°C to +10°C |
| Forced air circulation | No | No | No | No |
| Defrost (automatic / manual) | automatic | automatic | automatic | automatic |
| Electronic controller | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes | Yes |
| Open door alarm | No | No | Yes | Yes |
| No-volt remote alarm | No | No | Yes | Yes |
| External finish | painted steel plate | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white | white |
| Lock | Yes | Yes | Yes | Yes |
| Door type | solid door | solid door | solid door | solid door |
| Door hinges | changeable | changeable | changeable | changeable |
| Door seal | not changeable | not changeable | not changeable | not changeable |
| Internal finish | plastic, white | plastic, white | plastic, white | plastic, white |
| Interior light | No | No | No | No |
| Spark free | Yes | Yes | Yes | Yes |
| Shelves (number) | 2 | 2 | 3 | 5 |
| Shelf positions (number) | 2 | 4 | 6 | 12 |
| Shelf size (mm) (WxDxH) | 438x274x6 | 427x374x6 | 520x320x6 | 497x340x6 |
| Drawers (number) | 0 | 0 | 0 | 1 |
| Wire baskets (number) | 1 | 1 | 1 | 0 |
| Adjustable door bins (number) | 0 | 0 | 2 | 4 |
| Optional drawer system | Yes | Yes | Yes | Yes |
| Adjustable feet (number & position) | No | 2 front feet | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers |
| Gross capacity (l) | 82 | 107 | 151 | 288 |
| Net capacity (l) | 67 | 103 | 145 | 284 |
| External width (mm) | 502 | 495 | 595 | 595 |
| External depth (mm) | 540 | 620 | 595 | 634 |
| Door open depth (mm) | 976 | 1050 | 1165 | 1185 |
| External height (mm) | 660 | 830 | 845 | 1570 |
| Internal dimensions (mm) (WxDxH) | 415x340x540 | 403x400x540 | 500x450x705 step (DxH): 165x185 | 480x445x1382 step (DxH): 175x255 |
| Product weight (kg) | 27.5 | 31.5 | 36 | 58 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 | 750 |
| Packed height (mm) | 825 | 1000 | 1022 | 1735 |
| Packed weight (kg) | 34.5 | 38.5 | 43 | 65 |
| Refrigerant type CFC / HCFC free | R134a | R134a | R600a | R600a |



Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

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**A.054**

# National Lab

# Laboratory Freezers MedLab -18°C to -25°C, Static Cooling

| Model No. | ML0521WN | ML1225WN | ML1625WN | ML3125WN |
|---|---|---|---|---|
| Temperature range | -18°C to -25°C | -18°C to -25°C | -18°C to -25°C | -18°C to -25°C |
| Forced air circulation | No | No | No | No |
| Defrost (automatic / manual) | manual | manual | manual | manual |
| Electronic controller | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes | Yes |
| Open door alarm | No | No | Yes | Yes |
| No-volt remote alarm | No | No | Yes | Yes |
| External finish | painted steel plate | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white | white |
| Lock | Yes | Yes | Yes | Yes |
| Door type | solid door | solid door | solid door | solid door |
| Door hinges | changeable | changeable | changeable | changeable |
| Door seal | not changeable | not changeable | not changeable | not changeable |
| Internal finish | plastic, white | plastic, white | plastic, white | plastic, white |
| Interior light | No | No | No | No |
| Spark free | Yes | Yes | Yes | Yes |
| Shelves (number) | 1 | 0 | 0 | 0 |
| Cooling spirals (number) | 0 | 2 | 2 | 5 |
| Shelf positions (number) | 1 | 2 (fixed) | 2 (fixed) | 5 (fixed) |
| Shelf size (mm) (WxDxH) | 340x180x6 | - | - | - |
| Drawers (number) | 0 | 0 | 0 | 4 and 2 flaps |
| Wire baskets (number) | 0 | 1 | 3 | 0 |
| Optional drawer system | Yes | Yes | Yes | Yes |
| Adjustable feet (number & position) | No | 1 front foot | 2 front feet 2 rear rollers | 2 front feet 2 rear rollers |
| Gross capacity (l) | 50 | 102 | 151 | 232 |
| Net capacity (l) | 38 | 87 | 134 | 212 |
| External width (mm) | 500 | 495 | 595 | 595 |
| External depth (mm) | 510 | 620 | 595 | 634 |
| Door open depth (mm) | 976 | 1050 | 1165 | 1185 |
| External height (mm) | 562 | 830 | 845 | 1570 |
| Internal dimensions (mm) (WxDxH) | 345x330x365 | 414x415x683 | 500x450x705 step (DxH): 165x185 | 432x430x1300 step (DxH): 190x255 |
| Product weight (kg) | 17 | 33 | 36 | 60 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 | 750 |
| Packed height (mm) | 740 | 1000 | 1022 | 1735 |
| Packed weight (kg) | 24 | 40 | 43 | 67 |
| Refrigerant type CFC / HCFC free | R134a | R134a | R600a | R600a |

ML0521WN

ML0521WN with Inventory System (optional)

ML1225WN

ML1225WN with Inventory System (optional)

ML1625WN

ML3125WN

Recommendations for additional storage sets can be found in our separate catalogue.
Please ask for a personal fitting option.

**National Lab GmbH • Refrigeration Technology**
Grambeker Weg 157 • D-23879 Moelln
Phone: +49 45 42 / 84 91 70 • Fax: +49 45 42 / 84 91 71
Email: LabSales@NationalLab.com • www.NationalLab.de

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**A.055**

## Laboratory Upright Freezer ProfiFrost PFU / PF

- Static cooling and manual defrost
- Maintenance-free cooling system
- Low-noise and low-vibration fully hermetic compressor, air-cooled
- Operating panel with micro-processor driven temperature controller and graphic display in separate upright housing (can be positioned as per customer requirements)
- Visual/audible alarm device
  - Mains-independent
  - Alarm warning for excess and insufficient temperature
  - No-volt remote alarm contact for connection to a remote alarm system
  - RS 485 port

- Data logger for recording events (temperature change, exceeding limits, alarms triggered).
- External housing made of white, galvanized steel plate
- Freeze-proof special seal
- Lockable door (PFU14.. only, others on request)
- Door hinges on right, changeable
- Interior with closed removable plastic drawers (PFU14.. with 1 additional storage basket. PF27.. with 2 additional compartments above.)
- Feet made of plastic (PVC) (at PF27.. front feet of cabinet allow for height adjustment, two castors at rear)

ProfiFrost PFU1447WN **

| Model ProfiFrost | | PFU0833WN | PFU0841WN | PFU1433WN | PFU1447WN | PF2728WN | PF2747WN |
|---|---|---|---|---|---|---|---|
| Temperature range | °C: | -16/-30 | -16/-40 | -14/-30 | -14/-45 | -16/-28 | -16/-45 |
| Content | litres gross: | 70 | 70 | 143 | 143 | 241 | 241 |
| Ext.dimensions (WxDxH)* | mm: | 555x624x630 | 555x680x630 | 600x615x830 | 600x615x830 | 600x650x1700 | 600x650x1700 |
| Depth with door opened | mm: | 1165 | 1260 | 1215 | 1215 | 1140 | 1140 |
| Number of drawers/compartments : | | 2/0 | 2/0 | 3/1 | 3/1 | 5/2 | 5/2 |
| Weight | kgs: | 31 | 31 | 45 | 45 | 73 | 73 |
| Mains connection | : | < 1/N/PE ~ 220-230 V 50 Hz > | | < 1/N/PE ~ 220-230 V 50 Hz > | | < 1/N/PE ~ 220-230 V 50 Hz > | |
| Shipping dimensions (WxDxH) | mm: | 700x750x790 | 700x750x790 | 700x750x990 | 700x750x990 | 700x750x1860 | 700x750x1860 |
| Shipping weight | kgs: | 40 | 40 | 54 | 54 | 83 | 83 |
| Refrigerant CFC- and HCFC-free | : | R600a | R507 | R600a | R507 | R600a | R507 |

* Positioning the upright housing[1] with the operating panel on the cabinet increases the height by 90 mm.
  The flexible connecting lead allows the unit to be positioned as per customer requirements.

[1] Only in the case of models down to -30 °C can the temperature controller be integrated into the top panel (the separate upright housing is no longer required). Please ask.

**Alternative units:** ProfiLine Uranus.

| Model | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiFrost PFU0833WN | white / white | GSPFU0833WN |
| ProfiFrost PFU0841WN | white / white | GSPFU0841WN |
| ProfiFrost PFU1433WN | white / white | GSPFU1433WN |
| ProfiFrost PFU1447WN | white / white | GSPFU1447WN |
| ProfiFrost PF2728WN | white / white | GSPF2728WN |
| ProfiFrost PF2747WN | white / white | GSPF2747WN |

ProfiFrost PF2728WN **

| Accessories | Cat. No. |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZPM2-023-2L |
| Ex-Version „Interior free of ignition sources." | ZPF1-070 |
| Transport carriage with 4 castors (2 lockable). | ZPFU5-021 |
| Door lock, factory mounted PFU08.. and PF27.. only). | on request |

** The arrangement system (cryoboxes, etc.) that can be seen in the laboratory freezers is optional. See our separate catalogue for Inventory Systems.

Temperature controller with graphic display and data logger

Reg. PFU08-PF27-DB-EN-140220

Performance figures at an ambient temperature of + 25°C and a relative humidity of 60%.

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**A.060**

## Labortiefkühlschrank ProfiLine Pegasus PLPE

- Forced air circulation with automatic defrost
- Micro-processor driven temperature controller with digital display and password protection
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Power failure alarm
  - Probe failure alarm
  - Door alarm
  - Integrated data logger with USB port
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- Lockable door, door hinges on right, can only be changed in factory
- External housing made of white, galvanized steel plate
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

ProfiLine Pegasus PLPE6042EWU

| Model ProfiLine Pegasus | | PLPE6042 |
|---|---|---|
| Version | | EWU/EEU |
| Temperature range | °C: | -10/-40 |
| Content (net) | litres: | 618 |
| Ext.dimensions (WxDxH) | mm: | 740x870x2017 |
| Int. dimensions (WxDxH) | mm: | 600x685x1505 |
| Depth with door opened | mm: | 1490 |
| Weight | kgs: | 138 |
| Mains connection | | 1/N/PE ~ 230 V 50-60 Hz |
| Shipping dimensions (WxDxH) | mm: | 990x840x2200 |
| Shipping weight | kgs: | 167 |
| Refrigerant CFC- and HCFC-free | : | R404A |

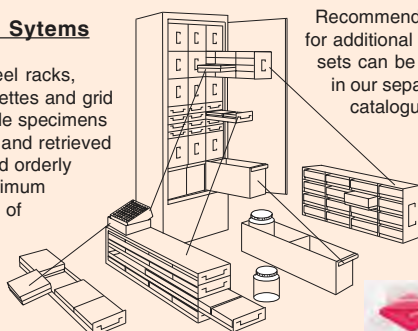| ProfiLine Pegasus + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiLine Pegasus PLPE 6042EWU | white / CNS | GSPLPE6042EWU |
| ProfiLine Pegasus PLPE 6042EEU | CNS / CNS | GSPLPE6042EEU |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | a.A. |
| Circular chart recorder for 7 days. | | a.A. |
| 6" 7-day circular charts. Pck. of 100 pieces. | | a.A. |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZXX2-020-2L |
| Grid inserts, 530x650 mm (WxD). | | ZPLPE4-530x650 |
| Guide rails for grid inserts (1 pair). | | a.A. |
| Drawer with telescopic slide-out, made of CNS. | | a.A. |
| CO₂ back-up system, free-standing. | | ZXX2-093 |
| Facilities for customer connection of CO₂ back-up system. | | ZPLPE2-094 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

### Innovation prize

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

## Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

MIN/MAX digital thermometer with add. temperature sensor

CE  Reg. PLPE6042EWU-DB-EN-140520 Performance figures at an ambient temperature of +25°C and a relative humidity of 60%.

## Laboratory Upright Freezer ProfiLine Pegasus PLPE

- Static cooling and manual defrost
- 2 separate, redundant operating cooling circuits for a maximum safety (PLPE7086 only)
- Micro-processor driven temperature controller with digital display and password protection
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Power failure alarm
  - Probe failure alarm
  - Door alarm
- No-volt remote alarm contact for connection to an alarm system on the premises
- RS 485 port
- Prepared for GSM alarm
- Lockable door, door hinges on right, can only be changed in factory
- External housing made of white, galvanized steel plate
- Interior made of stainless steel CNS
- 5 compartments with additional inner doors

| Model ProfiLine Pegasus | PLPE4140 | PLPE4186 | PLPE6040 | PLPE6086 | PLPE7040 | PLPE7086 |
|---|---|---|---|---|---|---|
| Version | EWN/EEN | EWN/EEN | EWN/EEN | EWN/EEN | EWN/EEN | EWN/EEN |
| Temperature range °C: | -20/-40 | -40/-86 | -20/-40 | -40/-86 | -20/-40 | -40/-86 |
| Content (net) litres: | 413 | | 585 | | 680 | |
| Number of compressors : | 1 | 1 | 1 | 1 | 1 | 2 |
| Ext.dimensions (WxDxH) mm: | 720x880x2090 | | 920x885x2090 | | 1030x880x2090 | |
| Int. dim. of the 4 upper compartments (WxDxH) mm: | 440x595x255 | | 640x595x255 | | 750x595x243 | |
| Int. dim. of the lowest compartment (WxDxH) mm: | 440x595x325 | | 640x595x325 | | 750x595x313 | |
| Depth with door opened mm: | 1475 | | 1675 | | 1790 | |
| Weight kgs: | 193 | | 210 | | 254 | |
| Mains connection : | 1/N/PE ~ 230 V 50-60 Hz | | 1/N/PE ~ 230 V 50-60 Hz | | 1/N/PE ~ 230 V 50-60 Hz | |
| Shipping dim. (WxDxH) mm: | 880x980x2250* | | 1010x955x2265* | | 1100x940x2300** | |
| Shipping weight kgs: | 220* | | 343* | | 403** | |
| Refrigerant CFC- and HCFC-free : | R404A | EP88 | R404A | EP88 | R404A | EP88 |

\* Shipping in a wooden crate.
\*\* Shipping in a wooden box.

ProfiLine Pegasus
PLPE 4186EWN

| Model | Outside/Inside | Cat. No. | Outside/Inside | Cat. No. |
|---|---|---|---|---|
| PLPE4140... | **EWN:** white/CNS | GSPLPE4140EWN | **EEN:** CNS/CNS | GSPLPE4140EEN |
| PLPE4186... | **EWN:** white/CNS | GSPLPE4186EEN | **EEN:** CNS/CNS | GSPLPE4186EEN |
| PLPE6040... | **EWN:** white/CNS | GSPLPE6040EWN | **EEN:** CNS/CNS | GSPLPE6040EEN |
| PLPE6086... | **EWN:** white/CNS | GSPLPE6086EWN | **EEN:** CNS/CNS | GSPLPE6086EEN |
| PLPE7040... | **EWN:** white/CNS | GSPLPE7040EWN | **EEN:** CNS/CNS | GSPLPE7040EEN |
| PLPE7086... | **EWN:** white/CNS | GSPLPE7086EEN | **EEN:** CNS/CNS | GSPLPE7086EEN |

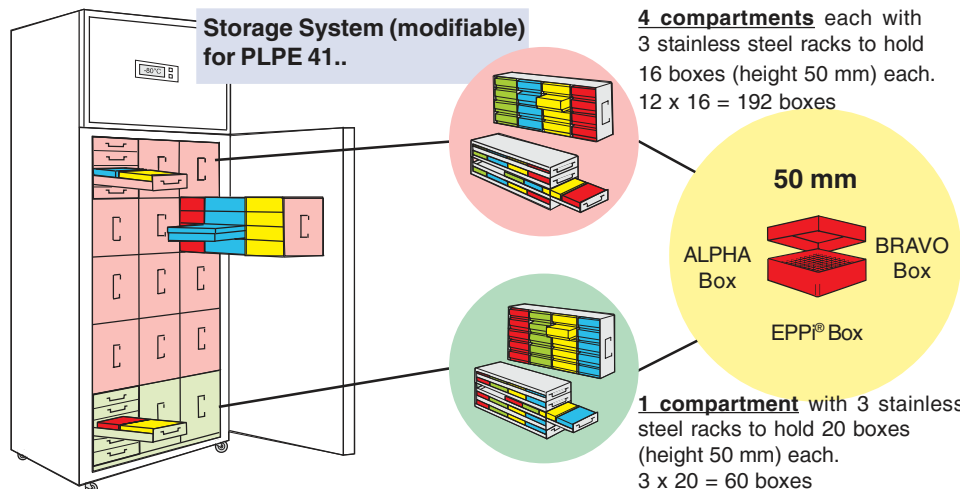| | Cat. No. |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| CO$_2$ back-up system, free-standing. | ZXX2-093 |
| Facilities for customer connection of CO$_2$ back-up system. | ZPLPE2-094 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

*Innovation prize*

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

### Storage System (modifiable) for PLPE 41..

**4 compartments** each with 3 stainless steel racks to hold 16 boxes (height 50 mm) each.
12 x 16 = 192 boxes

**50 mm**

ALPHA Box    BRAVO Box

EPPi® Box

**1 compartment** with 3 stainless steel racks to hold 20 boxes (height 50 mm) each.
3 x 20 = 60 boxes

CE

**A.070B**

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius +1°C to +10°C and -10°C to -30°C, Forced Air Circulation

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system
  - RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Forced Air Circulation**

LabStar Sirius LSSI 3505GEWU

| Model LabStar Sirius | | LSSI 3505 | LSSI 3505 | LSSI 3530 |
|---|---|---|---|---|
| **Version** | | **EWU / EEU** | **GEWU / GEEU** **Glass door** | **EWU / EEU** |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 |
| Content | litres (gross): | 346 | 346 | 346 |
| Content | litres (net): | 218 | 218 | 218 |
| Ext.dimensions (WxDxH) | mm: | 520x700x1997 | 520x700x1997 | 520x700x1997 |
| Int.dimensions (WxDxH) | mm: | 400x575x1505 | 400x575x1505 | 400x575x1505 |
| Depth with door opened | mm: | 1182 | 1182 | 1182 |
| Grid inserts | : | 3 | 3 | 3 |
| Weight | kgs: | 98 | 98 | 103 |
| Mains connection | : | < 1/N/PE ~ 230 V 50-60 Hz > | | |
| Shipping dimensions (WxDxH) | mm: | 650x780x2200 | 650x780x2200 | 650x780x2200 |
| Shipping weight | kgs: | 112 | 112 | 117 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a | R404A |

## LabStar Sirius + Accessories:

| | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 3505EWU | white / CNS | GSLSSI3505EWU |
| LabStar Sirius LSSI 3505EEU | CNS / CNS | GSLSSI3505EEU |
| LabStar Sirius LSSI 3505GEWU | white, glass door / CNS | GSLSSI3505GEWU |
| LabStar Sirius LSSI 3505GEEU | CNS, glass door / CNS | GSLSSI3505GEEU |
| LabStar Sirius LSSI 3530EWU | white / CNS | GSLSSI3530EWU |
| LabStar Sirius LSSI 3530EEU | CNS / CNS | GSLSSI3530EEU |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Grid inserts, 330x545 mm (WxD). | ZLSSI4-330x545 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-023 |
| Drawer with telescopic slide-out for LSSI 35xx, made of CNS. | ZLSSI4-003 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

**Top view**

700
575
545
400
330
305
520
1182

**Side view**

1997
1505
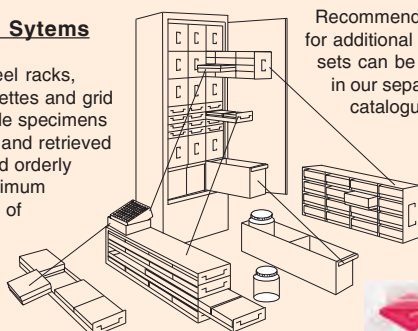1315

## Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

CE

**A.130**

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius +1°C to +10°C and -10°C to -30°C, Forced Air Circulation

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system

- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 5 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Forced Air Circulation**

LabStar Sirius LSSI 7505EWU
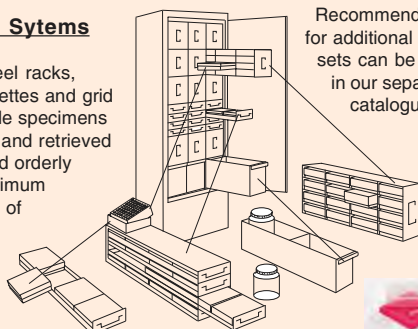(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 5005 | LSSI 5005 | LSSI 5030 | LSSI 5025 |
|---|---|---|---|---|---|
| Version | | EWU/EEU | GEWU/GEEU Glass door | EWU/EEU | GEWU/GEEU Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 515 | 523 | 515 | 523 |
| Content litres (net): | | 348 | 354 | 348 | 354 |
| Ext.dimensions (WxDxH) mm: | | 620x860x1997 | 620x860x1997 | 620x860x1997 | 620x860x1997 |
| Int.dimensions (WxDxH) mm: | | 500x685x1505 | 500x695x1505 | 500x685x1505 | 500x695x1505 |
| Depth with door opened mm: | | 1440 | 1440 | 1440 | 1440 |
| Grid inserts : | | 5 | 5 | 5 | 5 |
| Weight kgs: | | 106 | 106 | 114 | 114 |
| Mains connection : | | < 1/N/PE ~ 230 V 50-60 Hz > | | | |
| Shipping dimensions (WxDxH) mm: | | 700x880x2200 | 700x880x2200 | 700x880x2200 | 700x880x2200 |
| Shipping weight kgs: | | 117 | 117 | 125 | 125 |
| Refrigerant CFC- and HCFC-free : | | R134a | R134a | R404A | R404A |

| LabStar Sirius + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 5005EWU | white / CNS | GSLSSI5005EWU |
| LabStar Sirius LSSI 5005EEU | CNS / CNS | GSLSSI5005EEU |
| LabStar Sirius LSSI 5005GEWU | white, glass door / CNS | GSLSSI5005GEWU |
| LabStar Sirius LSSI 5005GEEU | CNS, glass door / CNS | GSLSSI5005GEEU |
| LabStar Sirius LSSI 5030EWU | white / CNS | GSLSSI5030EWU |
| LabStar Sirius LSSI 5030EEU | CNS / CNS | GSLSSI5030EEU |
| LabStar Sirius LSSI 5025GEWU | white, glass door / CNS | GSLSSI5025GEWU |
| LabStar Sirius LSSI 5025GEEU | CNS, glass door / CNS | GSLSSI5025GEEU |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Grid inserts, 430x655 mm (WxD). | ZLSSI4-430x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 50xx, made of CNS. | ZLSSI4-001 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

**Top view**

860
685
655
500
430
405
620
1440

**Side view**

1997
1505
1315

### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
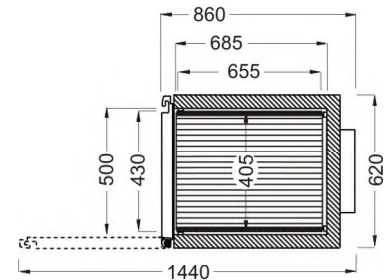
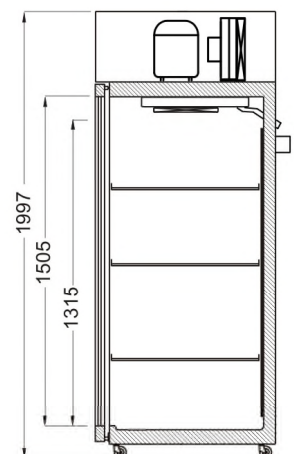Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

**A.140**

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius +1°C to +10°C and -10°C to -30°C, Forced Air Circulation

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system

- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Forced Air Circulation**

LabStar Sirius LSSI 7505EWU
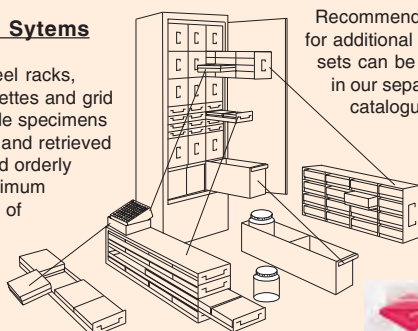(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 7505 | LSSI 7505 | LSSI 7530 | LSSI 7525 |
|---|---|---|---|---|---|
| Version | | EWU/EEU | GEWU/GEEU Glass door | EWU/EEU | GEWU/GEEU Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 618 | 627 | 618 | 627 |
| Content litres (net): | | 435 | 441 | 435 | 441 |
| Ext.dimensions (WxDxH) mm: | | 720x860x1997 | 720x860x1997 | 720x860x1997 | 720x860x1997 |
| Int.dimensions (WxDxH) mm: | | 600x685x1505 | 600x695x1505 | 600x685x1505 | 600x695x1505 |
| Depth with door opened mm: | | 1540 | 1540 | 1540 | 1540 |
| Grid inserts : | | 3 | 3 | 3 | 3 |
| Weight kgs: | | 117 | 117 | 121 | 121 |
| Mains connection : | | < 1/N/PE ~ 230 V 50-60 Hz > | | | |
| Shipping dimensions (WxDxH) mm: | | 800x900x2200 | 800x900x2200 | 800x900x2200 | 800x900x2200 |
| Shipping weight kgs: | | 129 | 129 | 133 | 133 |
| Refrigerant CFC- and HCFC-free : | | R134a | R134a | R404A | R404A |

| LabStar Sirius + Accessories: | Outside/ Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 7505EWU | white / CNS | GSLSSI7505EWU |
| LabStar Sirius LSSI 7505EEU | CNS / CNS | GSLSSI7505EEU |
| LabStar Sirius LSSI 7505GEWU | white, glass door / CNS | GSLSSI7505GEWU |
| LabStar Sirius LSSI 7505GEEU | CNS, glass door / CNS | GSLSSI7505GEEU |
| LabStar Sirius LSSI 7530EWU | white / CNS | GSLSSI7530EWU |
| LabStar Sirius LSSI 7530EEU | CNS / CNS | GSLSSI7530EEU |
| LabStar Sirius LSSI 7525GEWU | white, glass door / CNS | GSLSSI7525GEWU |
| LabStar Sirius LSSI 7525GEEU | CNS, glass door / CNS | GSLSSI7525GEEU |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Grid inserts, 530x655 mm (WxD). | ZLSSI4-530x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 75xx, made of CNS. | ZLSSI4-002 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

**Top view**

```
860
685
655
600  530  505
720
1540
```

**Side view**

```
1997
1505
1315
```

### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
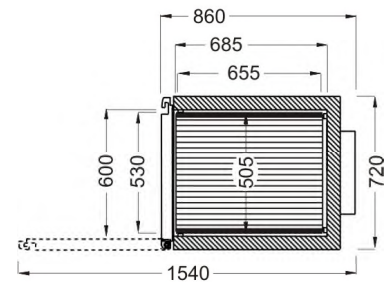
Recommendations for additional storage sets can be found in our separate catalogue.
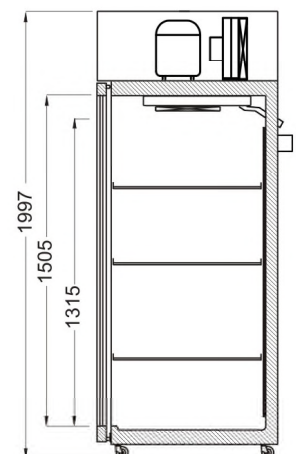
Please ask for a personal fitting option.

CE

**A.150**

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius +1°C to +10°C and -10°C to -30°C, Forced Air Circulation

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system

- RS 485 port
- Self-closing and lockable doors
- Door seal changeable
- 6 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
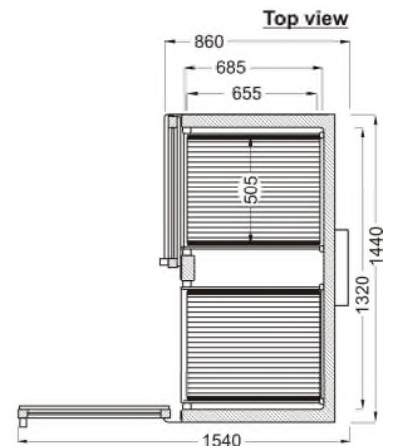- 5 castors, 3 lockable

**Forced Air Circulation**

LabStar Sirius LSSI 14005EWU
(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 14005 | LSSI 14005 | LSSI 14030 | LSSI 14025 |
|---|---|---|---|---|---|
| Version | | EWU / EEU | GEWU / GEEU | EWU / EEU | GEWU / GEEU |
| | | | Glass door | | Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 1360 | 1380 | 1360 | 1380 |
| Content litres (net): | | 870 | 883 | 870 | 883 |
| Ext.dimensions (WxDxH) mm: | | 1440x860x1997 | 1440x860x1997 | 1440x860x1997 | 1440x860x1997 |
| Int.dimensions (WxDxH) mm: | | 1320x685x1505 | 1320x695x1505 | 1320x685x1505 | 1320x695x1505 |
| Depth with door opened mm: | | 1540 | 1540 | 1540 | 1540 |
| Grid inserts : | | 6 | 6 | 6 | 6 |
| Weight kgs: | | 178 | 178 | 188 | 188 |
| Mains connection : | | < 1/N/PE ~ 230 V 50-60 Hz > | | | |
| Shipping dimen. (WxDxH) mm: | | 1520x900x2200 | 1520x900x2200 | 1520x900x2200 | 1520x900x2200 |
| Shipping weight kgs: | | 195 | 195 | 205 | 205 |
| Refrigerant CFC- / HCFC-free : | | R134a | R134a | R404A | R404A |

| LabStar Sirius + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 14005EWU | white / CNS | GSLSSI14005EWU |
| LabStar Sirius LSSI 14005EEU | CNS / CNS | GSLSSI14005EEU |
| LabStar Sirius LSSI 14005GEWU | white, glass door / CNS | GSLSSI14005GEWU |
| LabStar Sirius LSSI 14005GEEU | CNS, glass door / CNS | GSLSSI14005GEEU |
| LabStar Sirius LSSI 14030EWU | white / CNS | GSLSSI14030EWU |
| LabStar Sirius LSSI 14030EEU | CNS / CNS | GSLSSI14030EEU |
| LabStar Sirius LSSI 14025GEWU | white, glass door / CNS | GSLSSI14025GEWU |
| LabStar Sirius LSSI 14025GEEU | CNS, glass door / CNS | GSLSSI14025GEEU |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Grid inserts, 530x655 mm (WxD). | ZLSSI4-530x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 140xx, made of CNS. | ZLSSI4-002 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

**Top view**

860
685
655
505
1440
1320
1540

**side view**

1997
1505
1315

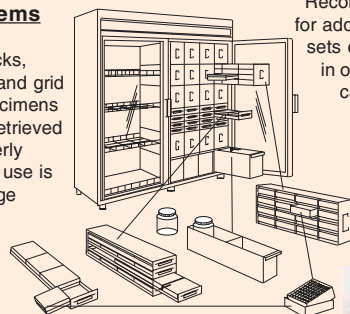### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

**A.160**

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius Long-Term Storage Cabinet, +1°C to +10°C and -10°C to -30°C

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Static cooling with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system

- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Static Cooling**

LabStar Sirius LSSI 3505GEWU

| Model LabStar Sirius | | LSSI 3505 | LSSI 3505 | LSSI 3530 |
|---|---|---|---|---|
| **Version** | | **EWN / EEN** | **GEWN / GEEN** | **EWN / EEN** |
| | | | **Glass door** | |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 |
| Content | litres (gross): | 346 | 346 | 346 |
| Content | litres (net): | 227 | 227 | 209 |
| Ext.dimensions (WxDxH) | mm: | 520x700x1997 | 520x700x1997 | 520x700x1997 |
| Int.dimensions (WxDxH) | mm: | 400x575x1505 | 400x575x1505 | 400x575x1505 |
| Depth with door opened | mm: | 1182 | 1182 | 1182 |
| Grid inserts | : | 3 | 3 | 3 |
| Weight | kgs: | 98 | 98 | 103 |
| Mains connection | : | < 1/N/PE ~ 230 V 50 Hz > | | |
| Shipping dimensions (WxDxH) | mm: | 610x840x2200 | 610x840x2200 | 610x840x2200 |
| Shipping weight | kgs: | 112 | 112 | 117 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a | R404A |

| LabStar Sirius + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 3505EWN | white / CNS | GSLSSI3505EWN |
| LabStar Sirius LSSI 3505EEN | CNS / CNS | GSLSSI3505EEN |
| LabStar Sirius LSSI 3505GEWN | white, glass door / CNS | GSLSSI3505GEWN |
| LabStar Sirius LSSI 3505GEEN | CNS, glass door / CNS | GSLSSI3505GEEN |
| LabStar Sirius LSSI 3530EWN | white / CNS | GSLSSI3530EWN |
| LabStar Sirius LSSI 3530EEN | CNS / CNS | GSLSSI3530EEN |

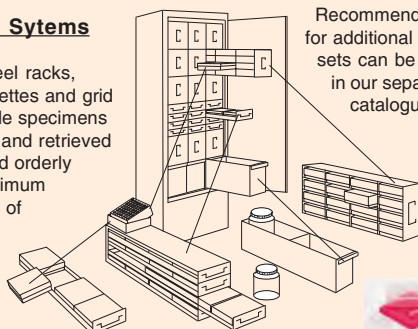| | | |
|---|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZXX2-020-2L |
| Ex-Version „Interior free of ignition sources." | | ZLSSI1-070 |
| Grid inserts, 330x545 mm (WxD). | | ZLSSI4-330x545 |
| Guide rails for grid inserts (1 pair). | | ZLSSI4-023 |
| Drawer with telescopic slide-out for LSSI 35xx, made of CNS. | | ZLSSI4-003 |
| Interior socket, tropical design. | | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | | ZLSSI1-002-26 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

**Top view**

700
575
545
400
330
305
520
1182

**Side view**

1997
1505 (1365 for LSSI3505..)
1260 (1365 for LSSI3505..)

CE

Performance figures at an ambient temperature of + 25°C and a relative humidity of 60 %.

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius Long-Term Storage Cabinet, +1°C to +10°C and -10°C to -30°C

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Static cooling with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm

- No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 5 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Static Cooling**

LabStar Sirius LSSI 7505EWN
(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 5005 | LSSI 5005 | LSSI 5030 | LSSI 5025 |
|---|---|---|---|---|---|
| Version | | EWN/EEN | GEWN/GEEN Glass door | EWN/EEN | GEWN/GEEN Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 515 | 523 | 515 | 523 |
| Content litres (net): | | 362 | 367 | 334 | 339 |
| Ext.dimensions (WxDxH) mm: | | 620x860x1997 | 620x860x1997 | 620x860x1997 | 620x860x1997 |
| Int.dimensions (WxDxH) mm: | | 500x685x1505 | 500x695x1505 | 500x685x1505 | 500x695x1505 |
| Depth with door opened mm: | | 1440 | 1440 | 1440 | 1440 |
| Grid inserts : | | 5 | 5 | 5 | 5 |
| Weight kgs: | | 106 | 106 | 114 | 114 |
| Mains connection : | | < 1/N/PE ~ 230 V 50 Hz > | | | |
| Shipping dimensions (WxDxH) mm: | | 700x880x2200 | 700x880x2200 | 700x880x2200 | 700x880x2200 |
| Shipping weight kgs: | | 117 | 117 | 125 | 125 |
| Refrigerant CFC- and HCFC-free : | | R134a | R134a | R404A | R404A |

| LabStar Sirius + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 5005EWN | white / CNS | GSLSSI5005EWN |
| LabStar Sirius LSSI 5005EEN | CNS / CNS | GSLSSI5005EEN |
| LabStar Sirius LSSI 5005GEWN | white, glass door / CNS | GSLSSI5005GEWN |
| LabStar Sirius LSSI 5005GEEN | CNS, glass door / CNS | GSLSSI5005GEEN |
| LabStar Sirius LSSI 5030EWN | white / CNS | GSLSSI5030EWN |
| LabStar Sirius LSSI 5030EEN | CNS / CNS | GSLSSI5030EEN |
| LabStar Sirius LSSI 5025GEWN | white, glass door / CNS | GSLSSI5025GEWN |
| LabStar Sirius LSSI 5025GEEN | CNS, glass door / CNS | GSLSSI5025GEEN |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Ex-Version „Interior free of ignition sources." | ZLSSI1-070 |
| Grid inserts, 430x655 mm (WxD). | ZLSSI4-430x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 50xx, made of CNS. | ZLSSI4-001 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
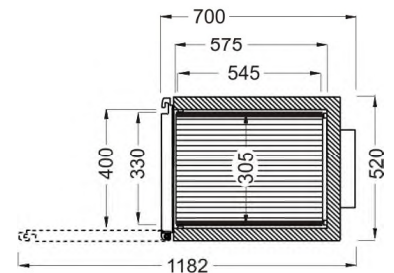
Recommendations for additional storage sets can be found in our separate catalogue.
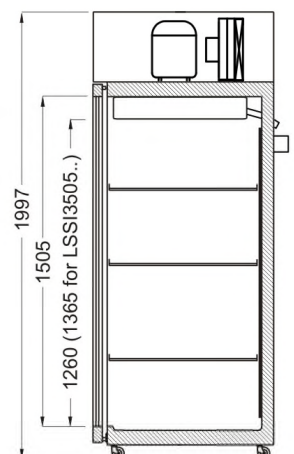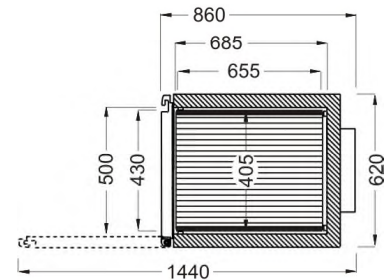
Please ask for a personal fitting option.

**Top view**

860
685
655
500
430
405
620
1440

**Side view**

1997
1505
1260 (1365 for LSSI5005..)

CE

Reg. LSSI50xxN-DB-EN-140220

Performance figures at an ambient temperature of +25°C and a relative humidity of 60 %.

A.180

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius Long-Term Storage Cabinet, +1°C to +10°C and -10°C to -30°C

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Static cooling with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm

- No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable door
- Door hinges on right, changeable
- Door seal changeable
- 3 adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS
- 4 castors, 2 lockable

**Static Cooling**

LabStar Sirius LSSI 7505EWN
(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 7505 | LSSI 7505 | LSSI 7530 | LSSI 7525 |
|---|---|---|---|---|---|
| Version | | EWN/EEN | GEWN/GEEN Glass door | EWN/EEN | GEWN/GEEN Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 618 | 627 | 618 | 627 |
| Content litres (net): | | 451 | 458 | 416 | 423 |
| Ext.dimensions (WxDxH) mm: | | 720x860x1997 | 720x860x1997 | 720x860x1997 | 720x860x1997 |
| Int.dimensions (WxDxH) mm: | | 600x685x1505 | 600x695x1505 | 600x685x1505 | 600x695x1505 |
| Depth with door opened mm: | | 1540 | 1540 | 1540 | 1540 |
| Grid inserts : | | 3 | 3 | 3 | 3 |
| Weight kgs: | | 117 | 117 | 121 | 121 |
| Mains connection : | | < 1/N/PE ~ 230 V 50 Hz > | | | |
| Shipping dimensions (WxDxH) mm: | | 800x900x2200 | 800x900x2200 | 800x900x2200 | 800x900x2200 |
| Shipping weight kgs: | | 129 | 129 | 133 | 133 |
| Refrigerant CFC- and HCFC-free : | | R134a | R134a | R404A | R404A |

| LabStar Sirius + Accessories: | Outside/ Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 7505EWN | white / CNS | GSLSSI7505EWN |
| LabStar Sirius LSSI 7505EEN | CNS / CNS | GSLSSI7505EEN |
| LabStar Sirius LSSI 7505GEWN | white, glass door / CNS | GSLSSI7505GEWN |
| LabStar Sirius LSSI 7505GEEN | CNS, glass door / CNS | GSLSSI7505GEEN |
| LabStar Sirius LSSI 7530EWN | white / CNS | GSLSSI7530EWN |
| LabStar Sirius LSSI 7530EEN | CNS / CNS | GSLSSI7530EEN |
| LabStar Sirius LSSI 7525GEWN | white, glass door / CNS | GSLSSI7525GEWN |
| LabStar Sirius LSSI 7525GEEN | CNS, glass door / CNS | GSLSSI7525GEEN |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Ex-Version „Interior free of ignition sources." | ZLSSI1-070 |
| Grid inserts, 530x655 mm (WxD). | ZLSSI4-530x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 75xx, made of CNS. | ZLSSI4-002 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

**Top view**

**Side view**

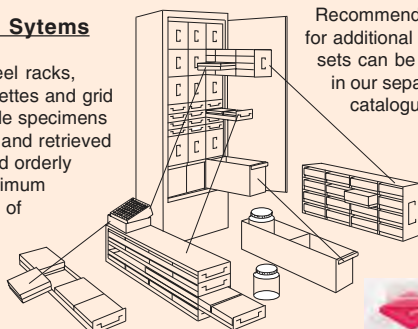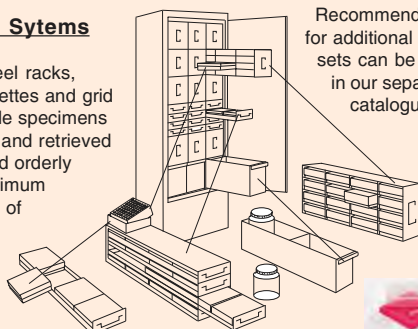### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
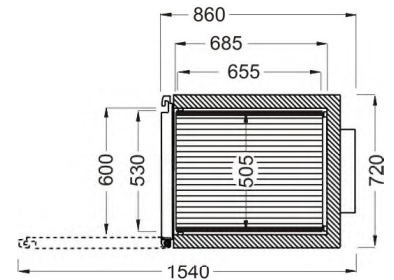
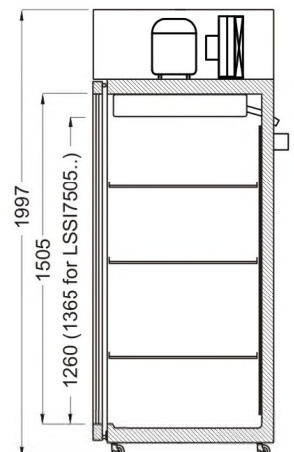Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.

A.190

# National Lab

# Laboratory Refrigerator and Upright Freezer LabStar Sirius Long-Term Storage Cabinet, +1°C to +10°C and -10°C to -30°C

## Laboratory Refrigerator and Upright Freezer LabStar Sirius

- Static cooling with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm

- No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable doors
- Door seal changeable
- 6 adjustable grid inserts in tilt-resistant guide rails
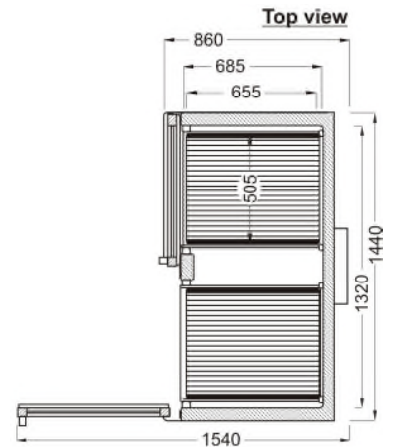- Interior made of stainless steel CNS
- 5 castors, 3 lockable

**Static Cooling**



LabStar Sirius LSSI 14005EWN
(With accessories Inventory Systems. See sep. brochure.)

| Model LabStar Sirius | | LSSI 14005 | LSSI 14005 | LSSI 14030 | LSSI 14025 |
|---|---|---|---|---|---|
| **Version** | | EWN/EEN | GEWN/GEEN Glass door | EWN/EEN | GEWN/GEEN Glass door |
| Temperature range | °C: | +1/+10 | +1/+10 | -10/-30 | -10/-23 |
| Content litres (gross): | | 1360 | 1380 | 1360 | 1380 |
| Content litres (net): | | 903 | 917 | 833 | 846 |
| Ext.dimensions (WxDxH) mm: | | 1440x860x1997 | 1440x860x1997 | 1440x860x1997 | 1440x860x1997 |
| Int.dimensions (WxDxH) mm: | | 1320x685x1505 | 1320x695x1505 | 1320x685x1505 | 1320x695x1505 |
| Depth with door opened mm: | | 1540 | 1540 | 1540 | 1540 |
| Grid inserts : | | 6 | 6 | 6 | 6 |
| Weight kgs: | | 178 | 178 | 188 | 188 |
| Mains connection : | | < 1/N/PE ~ 230 V 50 Hz > | | | |
| Shipping dimen. (WxDxH) mm: | | 1520x900x2200 | 1520x900x2200 | 1520x900x2200 | 1520x900x2200 |
| Shipping weight kgs: | | 195 | 195 | 205 | 205 |
| Refrigerant CFC- / HCFC-free : | | R134a | R134a | R404A | R404A |

## LabStar Sirius + Accessories:

| | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 14005EWN | white / CNS | GSLSSI14005EWN |
| LabStar Sirius LSSI 14005EEN | CNS / CNS | GSLSSI14005EEN |
| LabStar Sirius LSSI 14005GEWN | white, glass door / CNS | GSLSSI14005GEWN |
| LabStar Sirius LSSI 14005GEEN | CNS, glass door / CNS | GSLSSI14005GEEN |
| LabStar Sirius LSSI 14030EWN | white / CNS | GSLSSI14030EWN |
| LabStar Sirius LSSI 14030EEN | CNS / CNS | GSLSSI14030EEN |
| LabStar Sirius LSSI 14025GEWN | white, glass door / CNS | GSLSSI14025GEWN |
| LabStar Sirius LSSI 14025GEEN | CNS, glass door / CNS | GSLSSI14025GEEN |

| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Ex-Version „Interior free of ignition sources." | ZLSSI1-070 |
| Grid inserts, 530x655 mm (WxD). | ZLSSI4-530x655 |
| Guide rails for grid inserts (1 pair). | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 140xx, made of CNS. | ZLSSI4-002 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Inventory Sytems

Stainless steel racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.

Recommendations for additional storage sets can be found in our separate catalogue.

Please ask for a personal fitting option.



**Top view**
860
685
655
505
1440
1320
1540

**side view**
1997
1505
1260 (1365 for LSSI14005..)

A.200

## Bloodbank Refrigerator LabStar Sirius

- Forced air circulation with automatic defrost and condensate evaporation
- Cooling unit top
- Operating panel with main switch
  - Electronic control with digital display
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system
  - RS 485 port

- Self-closing and lockable door(s)
- Door hinges on right, changeable (for models with one door)
- Door seal changeable
- 7 drawers with telescopic slide-out and dividers (14 at LSSI 14004..); can be factory-fitted with 8 drawers if required (16 at LSSI 14004..)
- Interior made of stainless steel CNS
- Interior lighting
- 4 castors, 2 lockable, (LSSI 14004.. with 5 castors, 3 lockable)

LabStar Sirius LSSI 7504GEWU

| Model LabStar Sirius | | LSSI 5004 | LSSI 7504 | LSSI 14004 |
|---|---|---|---|---|
| **Version** | | **GEWU / GEEU** | **GEWU / GEEU** | **GEWU / GEEU** |
| Temperature range | °C: | +4 | +4 | +4 |
| Content | litres (net): | 525 | 630 | 1255 |
| Ext.dimensions (WxDxH) | mm: | 620x860x1997 | 720x860x1997 | 1440x860x1997 |
| Int.dimensions (WxDxH) | mm: | 500x695x1505 | 600x695x1505 | 1320x695x1505 |
| Depth with door opened | mm: | 1440 | 1540 | 1540 |
| Telescopic drawers | : | 7 | 7 | 14 |
| Doors | : | 1 | 1 | 2 |
| Weight | kgs: | 105 | 112 | 178 |
| Mains connection | : | < 1/N/PE ~ 230 V 50 Hz > | | |
| Shipping dimensions (WxDxH) | mm: | 700x880x2200 | 800x900x2200 | 1540x900x2200 |
| Shipping weight | kgs: | 115 | 122 | 195 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a | R134a |

drawer with telescopic slide-out, made of CNS

| LabStar Sirius + Accessories: | Outside / Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 5004GEWU | white, glass door / CNS | GSLSSI5004GEWU |
| LabStar Sirius LSSI 5004GEEU | CNS, glass door / CNS | GSLSSI5004GEEU |
| LabStar Sirius LSSI 7504GEWU | white, glass door / CNS | GSLSSI7504GEWU |
| LabStar Sirius LSSI 7504GEEU | CNS, glass door / CNS | GSLSSI7504GEEU |
| LabStar Sirius LSSI 14004GEWU | white, glass door / CNS | GSLSSI14004GEWU |
| LabStar Sirius LSSI 14004GEEU | CNS, glass door / CNS | GSLSSI14004GEEU |

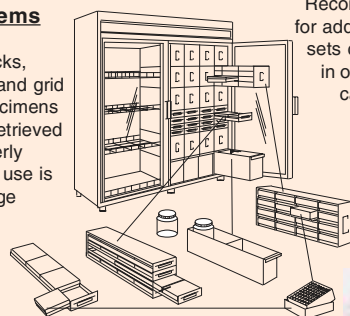| | |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Circular chart recorder for 7 days. | ZLSSI2-031-040 |
| 6" 7-day circular charts. Pck. of 100 pieces. | on request |
| Drawer with telescopic slide-out for LSSI 50xx, made of CNS. | ZLSSI4-001 |
| Drawer with telescopic slide-out for LSSI 75xx and LSSI 140xx, CNS. | ZLSSI4-002 |
| Interior socket, tropical design. | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

individually partitionable telescopic drawers

**Innovation prize**

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

CE

Reg. LSSIxx04-DB-EN-140220

# B.010

**National Lab**

## Plasma Storage Cabinet ProfiFrost PFU / PF

- Static cooling and manual defrost
- Maintenance-free cooling system
- Low-noise and low-vibration fully hermetic compressor, air-cooled
- Operating panel with micro-processor driven temperature controller and graphic display in separate upright housing (can be positioned as per customer requirements)
- Visual/audible alarm device
  - Mains-independent
  - Alarm warning for excess and insufficient temperature
  - No-volt remote alarm contact for connection to a remote alarm system
  - RS 485 port

- Data logger for recording events (temperature change, exceeding limits, alarms triggered).
- External housing made of white, galvanized steel plate
- Freeze-proof special seal
- Lockable door (PFU14.. only, others on request)
- Door hinges on right, changeable
- Interior with closed removable plastic drawers (PFU14.. with 1 additional storage basket. PF27.. with 2 additional compartments above.)
- Feet made of plastic (PVC) (at PF27.. front feet of cabinet allow for height adjustment, two castors at rear)

ProfiFrost PFU1447WN **

| Model ProfiFrost | | PFU0833WN | PFU0841WN | PFU1433WN | PFU1447WN | PF2728WN | PF2747WN |
|---|---|---|---|---|---|---|---|
| Temperature range | ℃: | -16/-30 | -16/-40 | -14/-30 | -14/-45 | -16/-28 | -16/-45 |
| Content | litres gross: | 70 | 70 | 143 | 143 | 241 | 241 |
| Ext.dimensions (WxDxH)* | mm: | 555x624x630 | 555x680x630 | 600x615x830 | 600x615x830 | 600x650x1700 | 600x650x1700 |
| Depth with door opened | mm: | 1165 | 1260 | 1215 | 1215 | 1140 | 1140 |
| Number of drawers/compartments : | | 2/0 | 2/0 | 3/1 | 3/1 | 5/2 | 5/2 |
| Weight | kgs: | 31 | 31 | 45 | 45 | 73 | 73 |
| Mains connection | : | < 1/N/PE ~ 220-230 V 50 Hz > | | < 1/N/PE ~ 220-230 V 50 Hz > | | < 1/N/PE ~ 220-230 V 50 Hz > | |
| Shipping dimensions (WxDxH) | mm: | 700x750x790 | 700x750x790 | 700x750x990 | 700x750x990 | 700x750x1860 | 700x750x1860 |
| Shipping weight | kgs: | 40 | 40 | 54 | 54 | 83 | 83 |
| Refrigerant CFC- and HCFC-free | : | R600a | R507 | R600a | R507 | R600a | R507 |

* Positioning the upright housing[1] with the operating panel on the cabinet increases the height by 90 mm.
  The flexible connecting lead allows the unit to be positioned as per customer requirements.

[1] Only in the case of models down to -30 °C can the temperature controller be integrated into the top panel (the separate upright housing is no longer required). Please ask.

| Model | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiFrost PFU0833WN | white / white | GSPFU0833WN |
| ProfiFrost PFU0841WN | white / white | GSPFU0841WN |
| ProfiFrost PFU1433WN | white / white | GSPFU1433WN |
| ProfiFrost PFU1447WN | white / white | GSPFU1447WN |
| ProfiFrost PF2728WN | white / white | GSPF2728WN |
| ProfiFrost PF2747WN | white / white | GSPF2747WN |

ProfiFrost PF2728WN **

| Accessories | Cat. No. |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZPM2-023-2L |
| Ex-Version „Interior free of ignition sources." | ZPF1-070 |
| Transport carriage with 4 castors (2 lockable). | ZPFU5-021 |
| Door lock, factory mounted PFU08.. and PF27.. only). | on request |

Temperature controller with graphic display and data logger

** The arrangement system (cryoboxes, etc.) that can be seen in the plasma storage cabinets is optional. See our separate catalogue for Inventory Systems.

CE

Reg. PFU08-PF27-DB-EN-140220

Performance figures at an ambient temperature of + 25°C and a relative humidity of 60%.

**B.030**

# National Lab

# Laboratory Refrigerator/Freezer Combinations MedLab
# 2 Temperatures, Static Cooling

| Model No. | ML0906WN | ML1306WN | ML2725WN | ML3225WN |
|---|---|---|---|---|
| Temperature range | Fridge: +2°C to+10°C<br>Freezer: -6°C to -9°C | Fridge: +2°C to 10°C<br>Freezer: -18°C to -25°C | Fridge: +2°C to 10°C<br>Freezer: -18°C to -25°C | Fridge: +2°C to 10°C<br>Freezer: -18°C to -25°C |
| Forced air circulation | No | No | No | No |
| Defrost (automatic / manual) | Fridge: automatic<br>Freezer: manual | Fridge: automatic<br>Freezer: manual | Fridge: automatic<br>Freezer: manual | Fridge: automatic<br>Freezer: manual |
| Electronic controller | Yes | Yes | Yes | Yes |
| Digital display | Yes | Yes | Yes | Yes |
| Temperature alarm visual / audible | Yes | Yes | Yes | Yes |
| Excess and insufficient temp. alarm | Yes | Yes | Yes | Yes |
| Open door alarm | No | Yes | Yes | Yes |
| No-volt remote alarm | No | Yes | Yes | Yes |
| External finish | painted steel plate | painted steel plate | painted steel plate | painted steel plate |
| Colour | white | white | white | white |
| Lock | Yes | Yes | Yes (2) | Yes (2) |
| Door type | solid door | solid door | solid door | solid door |
| Door hinges | changeable | changeable | changeable | changeable |
| Door seal | not changeable | not changeable | not changeable | not changeable |
| Internal finish | plastic, white | plastic, white | plastic, white | plastic, white |
| Interior light | No | No | No | No |
| Spark free | Yes | Yes | Yes | Yes |
| **Interior fittings Fridge** | | | | |
| • Shelves (number) | 2 | 2 | 3 | 3 |
| • Shelf positions (number) | 2 | 4 | 6 | 6 |
| • Shelf size (mm) (WxDxH) | 1: 438x274x6<br>1: 438x137x6 | 1: 448x308x4.5<br>1: 448x200x4.5 | 448x308x4.5 | 505x320x6 |
| • Drawers (number) | 0 | 1 | 2 half | 2 half |
| • Wire baskets (number) | 1 | 0 | 0 | 0 |
| • Adjustable door bins (number) | 0 | 2 full and 2 half | 2 full and 2 half | 2 full and 4 half |
| • Optional drawer system | Yes | Yes | Yes | Yes |
| **Interior fittings Freezer** | | | | |
| • Drawers (number) | 0 | 0 | 2 and 1 flap | 2 and 2 flaps |
| Adjustable feet (number & position) | 2 front feet<br>2 rear rollers | 2 front feet<br>2 rear rollers | 2 front feet<br>2 fixed rear | 2 front feet<br>2 rear rollers |
| Gross capacity (l) | 83.5<br>77 Fridge / 6.5 Freezer | 119<br>106 Fridge / 13 Freezer | 263<br>159 Fridge / 104 Freezer | 324<br>190 Fridge / 134 Freezer |
| Net capacity (l) | 80.5<br>74.25 Fridge / 6.25 Freezer | 117<br>104 Fridge / 13 Freezer | 245<br>148 Fridge / 97 Freezer | 302<br>177 Fridge / 125 Freezer |
| External width (mm) | 502 | 540 | 540 | 600 |
| External depth (mm) | 540 | 600 | 600 | 600 |
| Door open depth (mm) | 976 | 1090 | 1110 | 1190 |
| External height (mm) | 660 | 860 | 1680 | 1870 |
| Internal dimensions (mm) (DxWxH) | 415x370x540 | Fridge: 450x450x525<br>Freezer: 400x295x120<br>step (TxH): 155x225 | Fridge: 457x450x725<br>Freezer: 408x415x670<br>step (TxH): 170x220 | Fridge: 510x430x805<br>Freezer: 463x445x780<br>step (TxH): 250x260 |
| Product weight (kg) | 25 | 34 | 58 | 70 |
| Voltage supply | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz | 1/N/PE~230V 50Hz |
| Packed width (mm) | 700 | 700 | 700 | 700 |
| Packed depth (mm) | 750 | 750 | 750 | 750 |
| Packed height (mm) | 825 | 1027 | 1850 | 2035 |
| Packed weight (kg) | 32 | 41 | 65 | 77 |
| Refrigerant type CFC / HCFC free | R134a | R600a | R600a | R600a |

ML0906WN

ML0906WN with Inventory System (optional)

ML1306WN

ML1306WN with Inventory System (optional)

ML2725WN

ML3225WN

Recommendations for additional storage sets can be found in our separate catalogue. Please ask for a personal fitting option.

CE

*All rights and changes reserved.*

**C.010**

## Refrigerator/Freezer Combination LabStar Sirius

- Forced air circulation for refrigerator and freezer with automatic defrost and condensate evaporation
- 2 separate cooling circuits for refrigerator and freezer
- Cooling unit top
- 2 operating panels with:
  - Main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - Door alarm
  - No-volt remote alarm contact for connection to a remote alarm system
  - RS 485 port
- Self-closing and lockable doors
- Door hinges on right, changeable
- Door seal changeable
- 4 castors, 2 lockable
- 4 (2x2) adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS

**Forced Air Circulation**

LSSI 7030KEEU
(optional with feet)

| Model LabStar Sirius | | LSSI 3030 | LSSI 7030 |
|---|---|---|---|
| **Version** | | **KEWU / KEEU** | **KEWU / KEEU** |
| **Refrigerator:** | | | |
| Temperature range | °C: | +1/+10 | +1/+10 |
| Content | litres (net): | 160 | 290 |
| Int. dimensions (WxDxH) | mm: | 400x560x700 | 600x685x700 |
| Grid inserts | : | 2 | 2 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a |
| **Freezer:** | | | |
| Temperature range | °C: | -10/-30 | -10/-30 |
| Content | litres (net): | 160 | 290 |
| Int. dimensions (WxDxH) | mm: | 400x560x700 | 600x685x700 |
| Grid inserts | : | 2 | 2 |
| Refrigerant CFC- and HCFC-free | : | R404A | R404A |
| Ext.dimensions (WxDxH) | mm: | 520x700x1997 | 720x860x1997 |
| Depth with door opened | mm: | 1182 | 1540 |
| Weight | kgs: | 120 | 151 |
| Mains connection | : | 1/N/PE ~ 230 V 50 Hz | 1/N/PE ~ 230 V 50 Hz |
| Shipping dimensions (WxDxH) | mm: | 610x840x2200 | 800x900x2200 |
| Shipping weight | kgs: | 130 | 163 |

**Innovation prize**

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

| LabStar Sirius + Accessories: | Outside/ Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 3030KEWU | white / CNS | GSLSSI3030KEWU |
| LabStar Sirius LSSI 3030KEEU | CNS / CNS | GSLSSI3030KEEU |
| LabStar Sirius LSSI 7030KEWU | white / CNS | GSLSSI7030KEWU |
| LabStar Sirius LSSI 7030KEEU | CNS / CNS | GSLSSI7030KEEU |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZXX2-020-2L |
| Grid inserts, 330x545 mm (WxD). | | ZLSSI4-330x545 |
| Grid inserts, 530x655 mm (WxD). | | ZLSSI4-530x655 |
| Guide rails for grid inserts LSSI 3030.. (1 pair). | | ZLSSI4-023 |
| Guide rails for grid inserts LSSI 7030.. (1 pair). | | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 3030.., made of CNS. | | ZLSSI4-003 |
| Drawer with telescopic slide-out for LSSI 7030.. made of CNS. | | ZLSSI4-002 |
| Interior socket, tropical design. | | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

# C.020

## Refrigerator/Freezer Combination LabStar Sirius

- Static cooling for refrigerator and freezer with automatic defrost and condensate evaporation
- 2 separate cooling circuits for refrigerator and freezer
- Cooling unit top
- 2 operating panels with:
  - Main switch
  - Electronic control with digital display
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
- Door alarm
- No-volt remote alarm contact for connection to a remote alarm system
- RS 485 port
- Self-closing and lockable doors
- Door hinges on right, changeable
- Door seal changeable
- 4 castors, 2 lockable
- 4 (2x2) adjustable grid inserts in tilt-resistant guide rails
- Interior made of stainless steel CNS

**Static Cooling**

LSSI 7030KEEN
(optional with feet)

| Model LabStar Sirius | | LSSI 3030 | LSSI 7030 |
|---|---|---|---|
| **Version** | | **KEWN/KEEN** | **KEWN/KEEN** |
| **Refrigerator:** | | | |
| Temperature range | °C: | +1/+10 | +1/+10 |
| Content | litres (net): | 160 | 290 |
| Int. dimensions (WxDxH) | mm: | 400x560x700 | 600x685x700 |
| Grid inserts | : | 2 | 2 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a |
| **Freezer:** | | | |
| Temperature range | °C: | -10/-30 | -10/-30 |
| Content | litres (net): | 160 | 290 |
| Int. dimensions (WxDxH) | mm: | 400x560x700 | 600x685x700 |
| Grid inserts | : | 2 | 2 |
| Refrigerant CFC- and HCFC-free | : | R404A | R404A |
| Ext.dimensions (WxDxH) | mm: | 520x700x1997 | 720x860x1997 |
| Depth with door opened | mm: | 1182 | 1540 |
| Weight | kgs: | 120 | 151 |
| Mains connection | : | 1/N/PE ~ 230 V 50 Hz | 1/N/PE ~ 230 V 50 Hz |
| Shipping dimensions (WxDxH) | mm: | 610x840x2200 | 800x900x2200 |
| Shipping weight | kgs: | 130 | 163 |

### Innovation prize

**ProfiTec**
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

| LabStar Sirius + Accessories: | Outside/ Inside | Cat. No. |
|---|---|---|
| LabStar Sirius LSSI 3030KEWN | white / CNS | GSLSSI3030KEWN |
| LabStar Sirius LSSI 3030KEEN | CNS / CNS | GSLSSI3030KEEN |
| LabStar Sirius LSSI 7030KEWN | white / CNS | GSLSSI7030KEWN |
| LabStar Sirius LSSI 7030KEEN | CNS / CNS | GSLSSI7030KEEN |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZXX2-020-2L |
| Grid inserts, 330x545 mm (WxD). | | ZLSSI4-330x545 |
| Grid inserts, 530x655 mm (WxD). | | ZLSSI4-530x655 |
| Guide rails for grid inserts LSSI 3030.. (1 pair). | | ZLSSI4-023 |
| Guide rails for grid inserts LSSI 7030.. (1 pair). | | ZLSSI4-024 |
| Drawer with telescopic slide-out for LSSI 3030.., made of CNS. | | ZLSSI4-003 |
| Drawer with telescopic slide-out for LSSI 7030.. made of CNS. | | ZLSSI4-002 |
| Interior socket, tropical design. | | ZLSSI1-001-01 |
| Feet instead of castors, made of CNS (50 mm height adjustable). | | ZLSSI5-021-125 |
| Duct to storage compartment 26 mm in diameter. | | ZLSSI1-002-26 |
| Door hinges factory-mounted on left. | | ZLSSI5-001 |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

## Small Scale Chest Freezer ProfiMaster *Mini*

- Static cooling and manual defrost
- Low-noise refrigeration system, air-cooled
- Operating panel with electronic control and digital display (LED)
  - Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
- External housing made of stainless steel (CNS)
- Interior made of stainless steel (CNS)
- Insulated lid with hinge and magnetic seal

Small Scale Chest Freezer PMM0860EEN

| Model ProfiMaster | PMM0860EEN |
|---|---|
| Temperature range | °C: -20/-50 |
| | : Other temperature ranges available on request. |
| Content litres (gross): | 8 |
| Ext. dimensions (WxDxH) mm: | 370x500x580 |
| Int. dimensions (WxDxH) mm: | 150x300x200 |
| Weight kgs: | 35 |
| Mains connection | : 1/N/PE ~ 230 V 50 Hz |
| Refrigerant CFC- and HCFC-free : | R507 |

*Innovation prize*

## ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

| ProfiMaster Mini + Accessories | Outside / Inside | Cat. No. |
|---|---|---|
| ProfiMaster Mini PMM0860 | CNS / CNS | GTPMM0860 |
| No-volt remote alarm contact for connection to a remote alarm system. | | ZPMM2-009 |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | | ZPM2-023-2L |
| Forced air circulation. | | on request |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | | ZXX2-022-100 |

MIN/MAX digital thermometer with add. temperature sensor

## Laboratory Upright Freezer ProfiLine Pegasus PLPE0186EWN

| Temperature range | °C: | -40/-90 |
|---|---|---|
| Content litres (gross): | | 7 |
| Ext. dimensions (WxDxH) | mm: | 400x630x665 |
| Int. dimensions (WxDxH) | mm: | 150x143x310 |
| Depth with door opened | mm: | 960 |
| Weight | kgs: | 54 |
| Mains connection | : | 1/N/PE ~ 230 V 50-60 Hz |

**See separate brochure.**

CE

Reg. PMM-DB-EN-140220

**D.020**

## Laboratory Chest Freezer ProfiLine Taurus

- Static cooling and manual defrost
- Most reliable and less complicated compressor technology from Danfoss, low-noise
- Micro-processor driven temperature controller with digital display
- Visual/audible alarm device
  - Alarm warning for excess and insufficient temperature
  - No-volt remote alarm contact
- External housing made of white, galvanized steel plate
- Interior made of white plastic
- Lockable lid and spring-loaded hinges to allow opening at any angle
- With castors, supplied separately (except for PLTA 0960 and PLTA 5561, see accessories)
- Optional storage baskets are available (for max. quantity see table below)
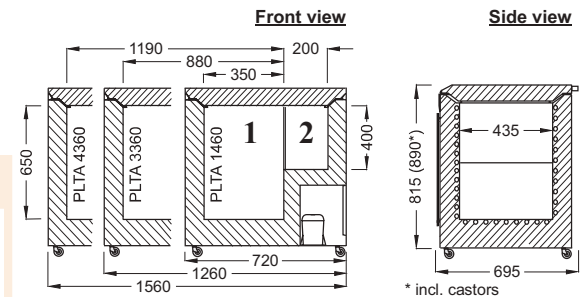
**-60 °C**

| Model ProfiLine Taurus | | PLTA 0960 | PLTA1460 | PLTA 3360 | PLTA 4360 | PLTA 5561 |
|---|---|---|---|---|---|---|
| Temperature range | °C: | -30/-60 | -30/-60 | -30/-60 | -30/-60 | -30/-60 |
| Content | litres (gross): | 74 | 133 | 296 | 383 | 532 |
| Ext. dimensions (WxDxH) | mm: | 555x635x885 | 720x695x890 | 1260x695x890 | 1560x695x890 | 1705x655x865 |
| Int. dimensions 1 (WxDxH) | mm: | 387x387x470 | 350x435x650 | 880x435x650 | 1190x435x650 | 1340x490x700 |
| Int. dimensions 2 (WxDxH) | mm: | — | 200x435x400 | 200x435x400 | 200x435x400 | 200x490x450 |
| Height at open top | mm: | 1480 | 1500 | 1500 | 1500 | 1540 |
| Storage baskets (max. quantity) | : | 4 (type A) | 4 (type B) | 13 (type B) | 16 (type B) | 19 (type C) |
| Weight | kgs: | 53 | 55 | 76 | 88 | 107 |
| Mains connection | : | < 1/N/PE ~ 230 V 50-60 Hz > | | | | |
| Shipping dimensions (WxDxH) | mm: | 750x700x1140 | 800x730x1040 | 1320x800x1040 | 1620x800x1040 | 1720x800x1200 |
| Shipping weight | kg: | 63 | 66 | 91 | 103 | 131 |
| Refrigerant CFC- and HCFC-free | : | HC | HC | HC | HC | HC |
| Catalogue number | : | GTPLTA0960 | GTPLTA1460 | GTPLTA3360 | GTPLTA4360 | GTPLTA5561 |

**Alternative units:** ProfiLine Pollux, ProfiLine Taurus down to -86 °C.

| Accessories | Cat. No. |
|---|---|
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler. | on request |
| Pt-100 temperature sensor, additionally installed for external temperature recording. | ZXX2-020-2L |
| $CO_2$ back-up system, free-standing. | ZXX2-093 |
| Facilities for customer connection of $CO_2$ back-up system. | ZPLTA2-094 |
| Ex-Version „Interior free of ignition sources." | ZPLTA1-070 |
| Dolly with swivel castors (for PLTA 0960). | ZPLTA5-21-09xx |
| 4 castors, 2 lockable (for PLTA 5561). | on request |
| Storage basket (type A), 192x384x190 mm (WxDxH). | ZXX4-084 |
| Storage basket (type B), 220x430x200 mm (WxDxH). | ZXX4-085 |
| Storage basket (type C), 220x480x215 mm (WxDxH). | ZXX4-093 |

**Front view**    **Side view**

1190
880
200
350
650   PLTA 4360
PLTA 3360
PLTA 1460   **1**   **2**   400
1560
1260
720
435
815 (890*)
695
* incl. castors

### ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- Can be fed to PC via RS 232 port

### Storage sets with matching vertical racks made of stainless steel

PLTA 0960     PLTA 3360     PLTA 4360

**Number of racks when fully equipped**

| | **4** or **5** | **18** | **3** | **24** | **3** |
|---|---|---|---|---|---|

| Type of box | | Cat. No. | | Cat. No. | | Cat. No. | | Cat. No. | | Cat. No. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **ALPHA Box** 50 mm | 8 | TA50-08AN | 11 | TA50-11AN | 6 | TA50-06AN | 11 | TA50-11AN | 6 | TA50-06AN | |
| **BRAVO Box** | | TE50-08AN | | TE50-11AN | | TE50-06AN | | TE50-11AN | | TE50-06AN | |
| **EPPi® Box** | | TE50-08AN | | TE50-11AN | | TE50-06AN | | TE50-11AN | | TE50-06AN | |
| **ALPHA Box** 75 mm | 5 | TA75-05AN | 7 | TA75-07AN | 4 | TA75-04AN | 7 | TA75-07AN | 4 | TA75-04AN | |
| **BRAVO Box** | | TB75-05AN | | TB75-07AN | | TB75-04AN | | TB75-07AN | | TB75-04AN | |
| **EPPi® Box** | | TE80-05AN | | TE80-07AN | | TE80-04AN | | TE80-07AN | | TE80-04AN | |
| **ALPHA Box** 100 mm | 4 | TA100-04AN | 5+1 | on request | 3 | TA100-03AN | 5+1 | on request | 3 | TA100-03AN | |
| **BRAVO Box** | | TE102-04AN | | | | TE102-03AN | | | | TE102-03AN | |
| **EPPi® Box** | | TE102-04AN | | | | TE102-03AN | | | | TE102-03AN | |

CE

Reg. PLTA0960-5561-DB-EN-141028

Performance figures at an ambient temperature of +25 °C and a relative humidity of 60 %.

**D.041**

**National Lab**

## Laboratory Chest Freezer ProfiLine Taurus

- Static cooling and manual defrost
- Most reliable and less complicated compressor technology from Danfoss, low-noise
- Micro-processor driven temperature controller with digital display
- Visual/audible alarm device
  - Mains-independent
  - Alarm warning for excess and insufficient temperature
  - No-volt remote alarm contact
  - Integrated data logger with USB port
- External housing made of white, galvanized steel plate
- Interior made of white plastic
- Inner lids
- Lockable lid and spring-loaded hinges to allow opening at any angle
- With castors, supplied separately (except for PLTA 0986, see accessories)
- Optional storage baskets are available (for max. quantity see table below)

**-86 °C incl. data logger**

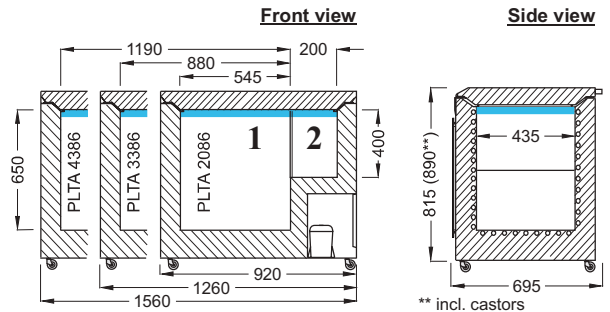| Model ProfiLine Taurus | | PLTA 0986 | PLTA 2086 | PLTA 3386 | PLTA 4386 |
|---|---|---|---|---|---|
| Temperature range | °C: | -40/-86 | -40/-86 | -40/-86 | -40/-86 |
| Content | litres (gross): | 74 | 189 | 296 | 383 |
| Ext. dimensions (WxDxH) | mm: | 555x635x885 | 920x695x890 | 1260x695x890 | 1560x695x890 |
| Int. dimensions 1 (WxDxH) | mm: | 385x385x470(450*) | 545x435x650 (625*) | 880x435x650 (625*) | 1190x435x650 (625*) |
| Int. dimensions 2 (WxDxH) | mm: | — | 200x435x400 (375*) | 200x435x400 (375*) | 200x435x400 (375*) |
| Height at open top | mm: | 1480 | 1500 | 1500 | 1500 |
| Storage baskets (max. quantity) | : | 4 (type A) | 7 (type B) | 13 (type B) | 16 (type B) |
| Weight | kgs: | 53 | 64 | 88 | 98 |
| Mains connection | : | < 1/N/PE ~ 230 V 50-60 Hz > | | | |
| Shipping dimensions (WxDxH) | mm: | 750x700x1140 | 973x725x1040 | 1320x800x1040 | 1620x800x1040 |
| Shipping weight | kg: | 63 | 79 | 103 | 113 |
| Refrigerant CFC- and HCFC-free | : | EP88 | EP88 | EP88 | EP88 |
| Catalogue number | : | GTPLTA0986 | GTPLTA2086 | GTPLTA3386 | GTPLTA4386 |

\* The heights in brackets apply when the supplied internal covers are used.

**Alternative units:** ProfiLine Pollux, ProfiLine Taurus down to -60 °C.

| Accessories | Cat. No. |
|---|---|
| ProfiCaller telephone dialler. | on request |
| Pt-100 temperature sensor, additionally installed for external temperature recording. | ZXX2-020-2L |
| $CO_2$ back-up system, free-standing. | ZXX2-093 |
| Facilities for customer connection of $CO_2$ back-up system. | ZPLTA2-094 |
| Ex-Version „Interior free of ignition sources." | ZPLTA1-070 |
| Dolly with swivel castors (for PLTA 0986). | ZPLTA5-21-09xx |
| Storage basket (type A), 192x384x190 mm (WxDxH). | ZXX4-084 |
| Storage basket (type B), 220x430x200 mm (WxDxH). | ZXX4-085 |

**Front view**     **Side view**

1190   880   545   200

PLTA 4386   PLTA 3386   PLTA 2086   **1**   **2**

650   400   435   815 (890**)

1560   1260   920   695

** incl. castors

### Storage sets with matching vertical racks made of stainless steel

| | PLTA 0986 | PLTA 3386 | | PLTA 4386 | |
|---|---|---|---|---|---|
| **Number of racks when fully equipped** | **4 or 5** | **18** | **3** | **24** | **3** |

| 50 mm | Type of box | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
|---|---|---|---|---|---|---|
| | ALPHA Box | TA50-08AN (8) | TA50-11AN (11) | TA50-06AN (6) | TA50-11AN (11) | TA50-06AN (6) |
| | BRAVO Box | TE50-08AN | TE50-11AN | TE50-06AN | TE50-11AN | TE50-06AN |
| | EPPi® Box | TE50-08AN | TE50-11AN | TE50-06AN | TE50-11AN | TE50-06AN |

| 75 mm | | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
|---|---|---|---|---|---|---|
| | ALPHA Box | TA75-05AN (5) | TA75-07AN (7) | TA75-04AN (4) | TA75-07AN (7) | TA75-04AN (4) |
| | BRAVO Box | TB75-05AN | TB75-07AN | TB75-04AN | TB75-07AN | TB75-04AN |
| | EPPi® Box | TE80-05AN | TE80-07AN | TE80-04AN | TE80-07AN | TE80-04AN |

| 100 mm | | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
|---|---|---|---|---|---|---|
| | ALPHA Box | TA100-04AN (4) | 5+1 on request | TA100-03AN (3) | 5+1 on request | TA100-03AN (3) |
| | BRAVO Box | TE102-04AN | | TE102-03AN | | TE102-03AN |
| | EPPi® Box | TE102-04AN | | TE102-03AN | | TE102-03AN |

**D.042**

## Chest Freezer ProfiLine Ultimus

- Static cooling and manual defrost (optional with forced air circulation)
- Micro-processor driven temperature controller with digital display and password protection
  - Visual/audible alarm device, mains-independent
  - Alarm warning for excess and insufficient temperature
  - Power failure alarm
  - Probe failure alarm
  - Condenser failure alarm
  - Low batterie alarm
  - Lid open alarm
  - No-volt remote alarm contact for connection to an alarm system on the premises

- External housing made of white, galvanized steel plate
- Lockable lid and spring-loaded hinges to allow opening at any angle
- Interior made of stainless steel CNS
- Inner lids
- 4 swivel castors

ProfiLine Ultimus PLULC33501

| Model ProfiLine Ultimus | | PLULC17501EWN | PLULC33501EWN | PLULC48501EWN |
|---|---|---|---|---|
| Temperature range | °C: | -35/-50 | -35/-50 | -35/-50 |
| Content | litres (gross): | 170 | 330 | 480 |
| Ext.dimensions (WxDxH) | mm: | 900x1000x1240 | 1500x860x1240 | 1950x880x1120 |
| Int.dimensions (WxDxH) | mm: | 630x490*x550 | 1240x490*x550 | 1220x520*x750 |
| Height at open top | mm: | 2125 | 1990 | 1900 |
| Weight | kgs: | 110 | 270 | 320 |
| Mains connection | : | 1/N/PE ~ 230 V 50 Hz | 1/N/PE ~ 230 V 50 Hz | 1/N/PE ~ 230 V 50 Hz |
| Shipping dim. (WxDxH) | mm: | 1100x1070x1730** | 1700x930x1730** | 2150x950x1610** |
| Shipping weight | kgs: | - | - | - |
| Refrigerant CFC- and HCFC-free | : | R404A | R404A | R404A |

\* Internal depth minus 50 mm when installing the forced air circulation.
\** Information for delivery in wooden case (optional).
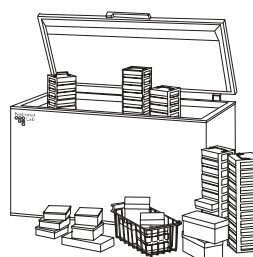
ProfiLine Ultimus chest freezers can be manufactured according to customers' requirements. Temperatures down to **-85 °C** are possible.

Option "forced air circulation"

| ProfiLine Ultimus + Accessories: | Cat. No. |
|---|---|
| ProfiLine Ultimus PLULC17501EWN | GTPLULC17501EWN |
| ProfiLine Ultimus PLULC33501EWN | GTPLULC33501EWN |
| ProfiLine Ultimus PLULC48501EWN | GTPLULC48501EWN |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, additionally installed for external temperature recording. | ZXX2-020-2L |
| Forced air circulation. | ZPLUL9-001 |
| Duct to storage compartment 28 mm in diameter. | ZPLUL1-001 |
| Water-cooled version (water-cooled condenser). | on request |
| MIN/MAX thermometer to be placed in refrigerators or freezers. Measuring range -50/+50 °C, an add. temperature sensor is not required. | ZXX2-019-001 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Innovation prize

### ProfiTec
**Intelligent Temperature Monitoring and Recording System**

- For up to 4 refrigerators and/or freezers
- Readings are stored over a period up to 781 days
- Warning for excess and insufficient temperature
- Includes No-volt remote alarm contact
- The measuring protocol can be fed to PC via RS 232 port

### Inventory Sytems

Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.

Please ask for a personal fitting option.

Recommendations for additional storage sets can be found in our separate catalogue.

CE

Reg. PLULC-DB-EN-140220

Performance figures at an ambient temperature of + 25 °C and a relative humidity of 60 %.

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# D.075

## Laboratory Chest Freezer LabStar Mira LSMI

- Static cooling and manual defrost
- Operating panel with thermostat
  - Visual alarm device
- External housing made of white, galvanized steel plate
- Interior made of aluminium
- Condensate drain integrated in base
- Lockable lid and spring-loaded hinges to allow opening at any angle
- Interior lighting (except for ex-version)

LabStar Mira 3525WN

| Model LabStar Mira LSMI | | 2225WN | 3525WN | 4525WN | 5325WN | 6125WN | 7125WN |
|---|---|---|---|---|---|---|---|
| Temperature range | °C: | -15/-25 | -15/-25 | -15/-25 | -15/-25 | -15/-25 | -15/-25 |
| Content litres (gross) | l: | 215 | 347 | 447 | 527 | 607 | 701 |
| **External dimensions** | mm: | | | | | | |
| A | : | 720 | 1050 | 1300 | 1500 | 1700 | 1800 |
| B | : | 730 | 730 | 730 | 730 | 730 | 770 |
| C | : | 650 | 650 | 650 | 650 | 650 | 690 |
| D | : | 860 | 860 | 860 | 860 | 860 | 860 |
| E | : | 1560 | 1560 | 1560 | 1560 | 1560 | 1600 |
| **Internal dimensions** | mm: | | | | | | |
| F | : | 600 | 930 | 1180 | 1380 | 1580 | 1680 |
| G | : | 400 | 730 | 980 | 1180 | 1380 | 1480 |
| H | : | 690 | 690 | 690 | 690 | 690 | 690 |
| I | : | 250 | 250 | 250 | 250 | 250 | 250 |
| J | : | 530 | 530 | 530 | 530 | 530 | 570 |
| Storage baskets | : | 1 | 2 | 2 | 3 | 3 | 3 |
| Weight | kgs: | 43 | 54 | 64 | 67 | 77 | 85 |
| Energy consumption | kW/24h: | 0.71 | 0.90 | 1.05 | 1.30 | 1.52 | 1.95 |
| Mains connection | : | < 1/N/PE ~ 230 V 50 Hz > | | | | | |
| Shipping dimensions (WxDxH) | mm: | 770x750x930 | 1100x750x930 | 1350x750x930 | 1550x750x930 | 1750x750x930 | 1850x790x930 |
| Shipping weight | kgs: | 50 | 60 | 70 | 75 | 80 | 90 |
| Refrigerant CFC- and HCFC-free | : | R134a | R134a | R134a | R134a | R134a | R134a |

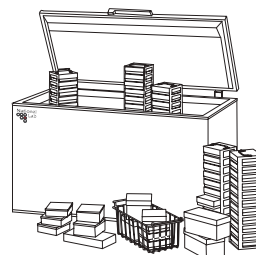**Alternative units:** ProfiLine Taurus and ProfiLine Pollux.

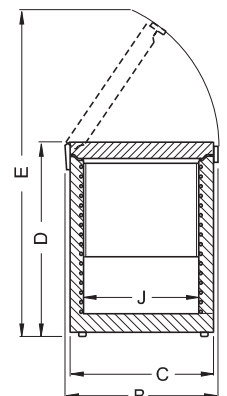| LabStar Mira + Accessories: | Cat. No. |
|---|---|
| LabStar Mira LSMI 2225WN | GTLSMI2225WN |
| LabStar Mira LSMI 3525WN | GTLSMI3525WN |
| LabStar Mira LSMI 4525WN | GTLSMI4525WN |
| LabStar Mira LSMI 5325WN | GTLSMI5325WN |
| LabStar Mira LSMI 6125WN | GTLSMI6125WN |
| LabStar Mira LSMI 7125WN | GTLSMI7125WN |

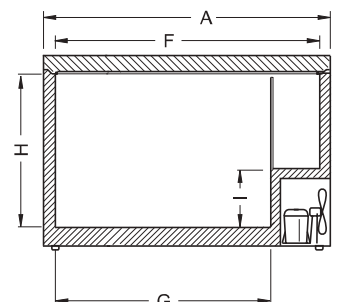| | |
|---|---|
| Alarm unit opt./acoust., electronic control with digital display and no-volt remote alarm contact. | ZLSMI2-005+150/-55 |
| Digital temperature display incl. PTC temperature sensor. Measuring range +50/-50 °C. | ZXX2-015-001 |
| ProfiTec Temperature Monitoring and Recording System (see sep. brochure). | GPTEC4A |
| ProfiCaller telephone dialler (see sep. brochure). | on request |
| Pt-100 temperature sensor, add. installed for ext. temperature recording. | ZXX2-020-2L |
| Ex-Version „Interior free of ignition sources." | ZLSMI1-070 |
| Storage basket LSMI 2225 to LSMI 6125, 280x515x220 mm (WxDxH). | ZXX4-089 |
| Storage basket LSMI 7125, 280x565x245 mm (WxDxH). | ZXX4-090 |
| MIN/MAX digital thermometer. Hand-held unit with digital display as well as data-hold and relative measuring function. Measuring range -200/+1370 °C. An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100. | ZXX2-019-011 |
| Temperature sensor for MIN/MAX thermometer ZXX2-019-011. Measuring range -100/+1000 °C. Length 2 m. Other ranges on request. | ZXX2-022-100 |

### Inventory Sytems

Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity. Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.

**Side view**

**Front view**

# D.080

## Laboratory Chest Freezer ProfiLine Pollux PLPO

- Static cooling and manual defrost
- Electronic control and digital display
  - Visual/audible alarm warning for excess and insufficient temperature
  - No-volt remote alarm contact for connection to a remote alarm system

- External housing made of white, galvanized steel plate
- Interior made of aluminium
- Condensate drain integrated in base
- Lockable lid and spring-loaded hinges to allow opening at any angle
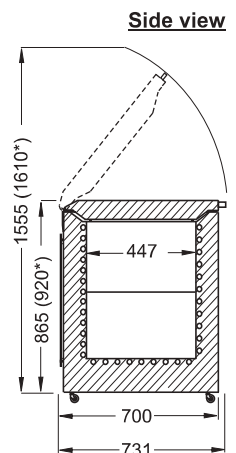- Interior lighting (except for ex-version)

ProfiLine Pollux 3645WN

| Model ProfiLine Pollux | | PLPO1345WN | PLPO2245WN | PLPO3045WN | PLPO3645WN | PLPO4245WN |
|---|---|---|---|---|---|---|
| Temperature range | °C: | -5/-45 | -5/-45 | -5/-45 | -5/-45 | -5/-45 |
| Content | litres (gross): | 130 | 226 | 299 | 358 | 416 |
| Ext.dimensions (WxDxH) | mm: | 725x731x865 | 1055x731x865 | 1305x731x865 | 1505x731x865 | 1705x731x865 |
| Int.dimensions 1 (WxDxH) | mm: | | | < see sketch > | | |
| Int.dimensions 2 (WxDxH) | mm: | | | < see sketch > | | |
| Height at open top | mm: | 1555 | 1555 | 1555 | 1555 | 1555 |
| Weight | kgs: | 43 | 54 | 64 | 67 | 77 |
| Mains connection | : | | | < 1/N/PE ~ 230 V 50 Hz > | | |
| Insulation CFC-free | mm: | 100 | 100 | 100 | 100 | 100 |
| Shipping dimensions (WxDxH) | mm: | 825x831x1065 | 1155x831x1065 | 1405x831x1065 | 1605x831x1065 | 1805x831x1065 |
| Shipping weight | kgs: | 48 | 59 | 69 | 72 | 82 |
| Refrigerant CFC- and HCFC-free | : | R404A | R404A | R404A | R404A | R404A |

**Alternative units:**    ProfiLine Taurus and LabStar Mira.

| ProfiLine Pollux + Accessories: | Cat. No. |
|---|---|
| ProfiLine Pollux PLPO 1345WN | GTPLPO1345WN |
| ProfiLine Pollux PLPO 2245WN | GTPLPO2245WN |
| ProfiLine Pollux PLPO 3045WN | GTPLPO3045WN |
| ProfiLine Pollux PLPO 3645WN | GTPLPO3645WN |
| ProfiLine Pollux PLPO 4245WN | GTPLPO4245WN |

ProfiTec Temperature Monitoring and Recording System (see sep. brochure). — GPTEC4A

ProfiCaller telephone dialler (see sep. brochure). — on request

Pt-100 temperature sensor, add. installed for ext. temperature recording. — ZXX2-020-2L

Ex-Version „Interior free of ignition sources." — on request

4 castors (2 lockable), factory assembled. — ZPLPO5-022-4245

Storage basket, 285x445x250 mm (WxDxH). — ZXX4-087

MIN/MAX thermometer to be placed in refrigerators or freezers. — ZXX2-019-001
Measuring range -50/+50 °C, an add. temperature sensor is not required.

MIN/MAX digital thermometer. Hand-held unit with digital display as well as — ZXX2-019-011
data-hold and relative measuring function. Measuring range -200/+1370 °C.
An add. temperature sensor is required, eg. Cat.-No. ZXX2-022-100.

Temperature sensor for MIN/MAX thermometer ZXX2-019-011. — ZXX2-022-100
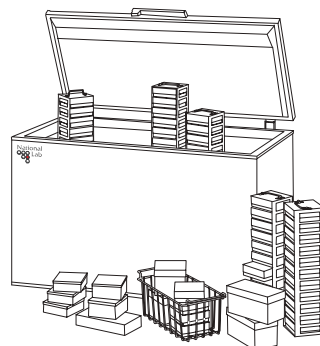Measuring range -100/+1000 °C. Length 2 m. Other ranges on request.

**Side view**

1555 (1610*)
865 (920*)
447
700
731

* Incl. castors

**Front view**

1300
1100
900
650
320
200

PLPO4245
PLPO3645
PLPO3045
PLPO2245
PLPO1345
1    2

650
400

725
1055
1305
1505
1705

### Inventory Sytems

Stainless steel vertical racks, freezer cassettes and grid inserts enable specimens to be stored and retrieved in a clear and orderly manner. Optimum use is made of the storage capacity.
Storage systems are also available for this model in our separate brochures. You can also contact us for a personal consultation.

CE

Reg. PLPO1345-4245-DB-EN-140220

Performance figures at an ambient temperature of + 25 °C and a relative humidity of 60 %.

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**D.090**

## Temperature Monitoring and Recording System ProfiTec

Temperature monitoring and recording system for up to 4 refrigerators and freezers, ovens and incubators. Operating panel with digital display options for date, time, temperature of the 4 measuring stations, automatic adjustment from summer to winter time. The digital display is also used for programming. Measuring stations can be individually identified. Acoustic alarm device with individually adjustable warning levels and delay times. No-Volt remote alarm contact for connection to central control stations or telephone relaying. 3 signal inputs for door contact and/or system fault. Records up to 4 measuring stations simultaneously over a period of up to 781 days (5-minute intervals). Storage intervals selectable from 1 to 60 minutes. The readings are stored even in the event of a power failure. A rechargeable battery is available as an option and enables readings to be taken and stored even during a power cut. The measuring protocol can be read out directly on the instrument or PC via the RS 232 port (for software see Accessories). Up to 79 ProfiTec units can be linked within a network via the RS 485 port. The measuring protocols can then be called up individually with the PC. The casing is made of plastic with a transparent cover for the operating panel. Screws and a set of plugs are included for mounting the instrument on a wall.
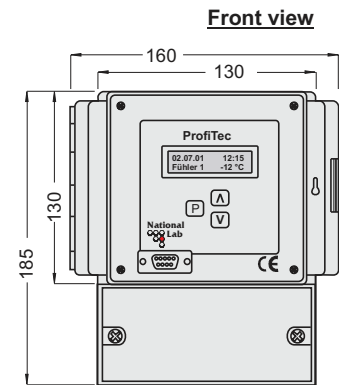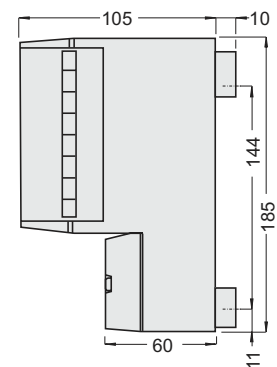
ProfiTec 424A

| | | |
|---|---|---|
| Temperature monitoring range | ℃: | +600/-110 |
| Resolution | ℃: | 0.5 |
| Ambient temperature | ℃: | 0 to +50 |
| External dimensions (WxDxH) | mm: | 160x105x185 |
| Power consumption | watts: | 5 |
| Measuring stations | : | 4 |
| Signal inputs | : | 3x230V with time delay |
| Storage capacity for readings | : | 225,000 |
| Interfaces | : | RS 232 - serial port |
| | : | RS 485 - PC network |
| Calibration | : | factory preset, maintenance free |
| Protective system electrical | : | IP 54 |
| Mains connection | : | 1/N/PE ~ 230 V 50-60 Hz |

### ProfiTec + Accessories:                                    Cat. No.
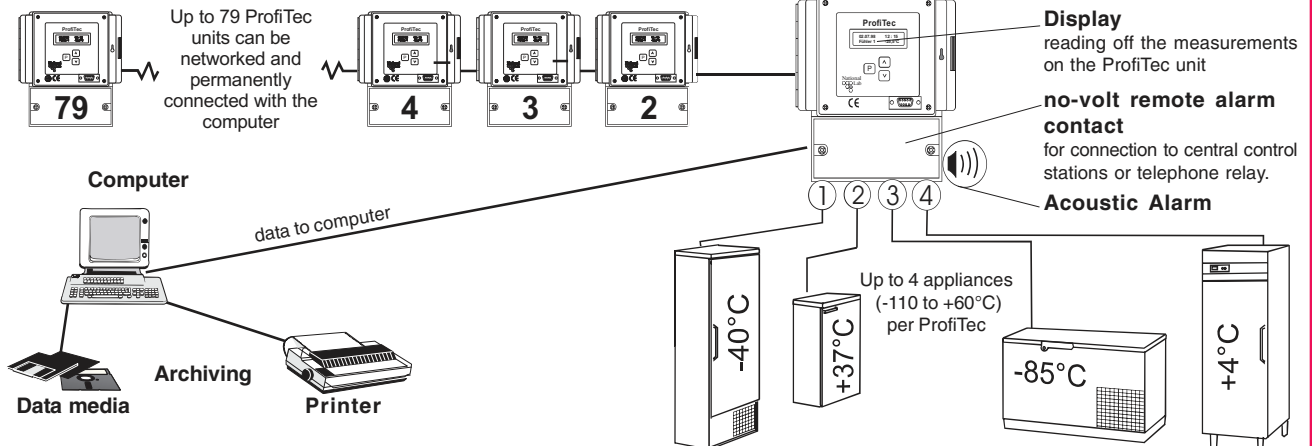
| | |
|---|---|
| ProfiTec 424A | GPTEC4A |
| Temperature sensor with 6-m lead. | ZPTEC2-040-06 |
| Temperature sensor with 12-m lead. | ZPTEC2-040-12 |
| Temperature sensor with 30-m lead. | ZPTEC2-040-30 |
| Temperature sensor with other lead. | on request |
| Set of rechargeable batteries 12V / 1.3 Ah. | ZPTEC2-041 |
| Connection lead between ProfiTec and PC (RS 232 port), 12 m long. | ZPTEC2-043-12-2 |
| Software for evaluation and recording for Windows 2000 and XP. | ZPTEC2-042-XP |
| Digital converter for networking the ProfiTec units with a PC. With integrated power supply. | ZPTEC2-044-NT |
| Connection lead between ProfiTec and digital converter for networking (price per metre). | ZPTEC2-046 |
| Converter USB 2.0 / RS 232. | ZPTEC2-044-RS232-USB |

**Front view**

160
130
130
185

**ProfiTec**
02.07.01   12:15
Fühler 1   -12 °C

**Side view**

105    10
144
185
60    11

**Network connection**

79  | Up to 79 ProfiTec units can be networked and permanently connected with the computer
4  3  2

**Computer**

data to computer

**Data media**   **Archiving**   **Printer**

**Display**
reading off the measurements on the ProfiTec unit

**no-volt remote alarm contact**
for connection to central control stations or telephone relay.

**Acoustic Alarm**

① ② ③ ④

Up to 4 appliances (-110 to +60°C) per ProfiTec

-40°C   +37°C   -85°C   +4°C

**E.010**

# ProfiCool

## Intelligent Recirculating Chillers



**National Lab**

### Recirculating Chillers ProfiCool *Minimus*

Air-cooled cooling machine with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat.

| Model ProfiCool *Minimus* | | PCMin 04.02 | PCMin 06.02 |
|---|---|---|---|
| Refrigerant | CFC-free | R134a | R134a |
| Cooling capacity at +20°C/+15°C | Watts | 350/310 | 500/450 |
| Operating range | °C | +5 / +25 | +5 / +25 |
| Pump capacity | l/min | 12.5 | 12.5 |
| Pump pressure | bars | 0.75 | 0.75 |
| Tank capacity | litres | 7 | 7 |
| Water connection (quick connection) | | CPC quick connection couples for hose 10 mm outside diameter | |
| Operating voltage | Ph/Volts/Hz | 1/N/PE/230/50-60 | 1/N/PE/230/50-60 |
| Weight | kgs | 22 | 25 |
| Dimensions (WxDxH) | mm | 413x283x415 | 413x283x415 |

### Recirculating Chillers ProfiCool *Primus*

Air-cooled cooling machine with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for temperature constancy ±0,1 K.

| Model ProfiCool *Primus* | | PCPR 009 | PCPR 013 | PCPR 020 | PCPR 025 |
|---|---|---|---|---|---|
| Refrigerant | CFC-free | R134a | R134a | R404a | R404a |
| Cooling capacity at +20°C/+15°C | kWs | 0.6 / 0.4 | 1.0 / 0.8 | 1.7 / 1.4 | 1.9 / 1.6 |
| Operating range | °C | +15 / +30 | +15 / +30 | +15 / +30 | +15 / +30 |
| Temperature constancy | K | ±0.1 | ±0.1 | ±0.1 | ±0.1 |
| Rated coolant flow | m³/h | 0.35 | 0.35 | 0.35 | 0.39 |
| Pump pressure | bars | 5.0 | 5.0 | 5.0 | 5.0 |
| Tank capacity | litres | 4 | 4 | 4 | 6.5 |
| Water connection (quick connection) | | CPC quick connection couples for hose 12 mm outside diameter | | | |
| Operating voltage (Models-NED) | Ph/Volts/Hz | 1/N/PE/230/50-60 | 1/N/PE/230/50-60 | 1/N/PE/230/50-60 | 1/N/PE/230/50-60 |
| Weight | kgs | 35 | 42 | 48 | 68 |
| Dimensions (WxDxH) | mm | 235x520x625 | 235x520x625 | 235x520x625 | 440x608x740 |

more units up to 10 kW available

### Recirculating Chillers (19") ProfiCool *Exactus*

Air-cooled cooling machine as 19" rack with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for temperature constancy ±0,1 K.

| Model ProfiCool *Exactus* | | PCEX 014 | PCEX 020 | PCEX 055 |
|---|---|---|---|---|
| Refrigerant | CFC-free | R404a | R404a | R404a |
| Cooling capacity at +20°C | kWs | 1.2 | 1.8 | 5.3 |
| Operating range | °C | +15 / +30 | +15 / +30 | +15 / +30 |
| Temperature constancy | K | ±0.1 | ±0.1 | ±0.1 |
| Pump capacity | l/min | 5-20 | 5-20 | 4-40 |
| Pump pressure | bars | 0.5-4 | 0.5-4 | 1-5 |
| Tank capacity | litres | 6 | 4.5 | 20 |
| Water connection (plug connection) | | CPC connection couples for hose 12 mm outside diameter | | 3/4" G |
| Operating voltage | Ph/Volts/Hz | 1/N/PE/230/50-60 | 1/N/PE/230/50-60 | 3/PE/380-415/50 3/PE/460-480/60 |
| Weight | kgs | 35 | 40 | 55 |
| Dimensions (WxD) | mm | 440x500 | 440x500 | 440x580 |
| Height (1 rack unit = 44.5 mm) | RU | 7.5 | 7.5 | 18 |

For all units we provide a wide range of options.
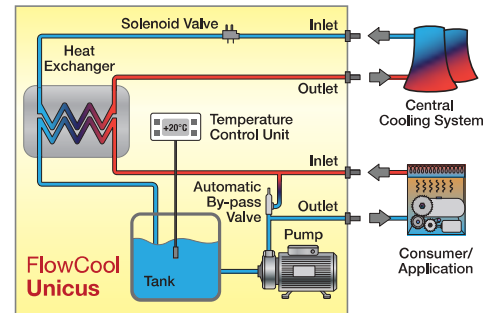**www.NationalLab.eu**

**F.010**

# ProfiCool

## Intelligent Recirculating Chillers

## Water-to-Water Heat Exchanger System FlowCool *Unicus*

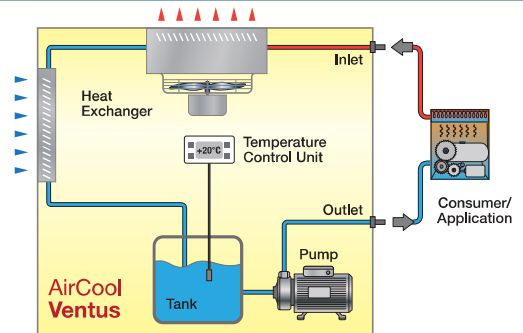Heat exchanger system without active refrigeration for connection to an in-house circuit. Exchanging system with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat for application cooling circuit.



| Model FlowCool *Unicus* | | FCUN 001 | FCUN 004 | FCUN 006 | FCUN 011 |
|---|---|---|---|---|---|
| Cooling capacity | kWs | 1.3 | 3.8 | 6.5 | 11.5 |
| Operating range cooling temperature | °C | +10/+50 | +10/+50 | +10/+50 | +10/+50 |
| Temperature constancy | K | ±2 | ±2 | ±2 | ±2 |
| Rated coolant flow | m³/h | 0.6 | 0.7 | 1.1 | 2.0 |
| Pump pressure | bars | 2.9 | 2.9 | 4.2 | 2.3 |
| Tank capacity | litres | 10 | 10 | 10 | 10 |
| Water connection | | for hose 12 mm inside-Ø | | Female R 3/4" | |
| Operating voltage | Ph/Volts/Hz | 1/N/PE/230/50 | 1/N/PE/230/50 | 1/N/PE/230/50 | 1/N/PE/230/50 |
| Weight | kgs | 19 | 22 | 32 | 33 |
| Dimensions (WxDxH) | mm | 230x520x650 | 445x575x540 | 445x575x540 | 445x575x540 |

## Air-to-Water Heat Exchanger System AirCool *Ventus*

Heat exchanger system without active refrigeration for heat discharged into the ambient air. Application cooling circuit with storage tank (in standard version open to atmosphere) and pump as well as electronic digital thermostat.



| Model AirCool *Ventus* | | ACVE 001 | ACVE 002 | ACVE 004 |
|---|---|---|---|---|
| Cooling capacity at dT of 5K/20K | kWs | 0.8 / 3.2 | 1.3 / 5.2 | 3.9 / 15.6 |
| Cooling medium | | water | water | water |
| Rated coolant flow | m³/h | 0.6 | 0.6 | 0.7 |
| Pump pressure | bars | 2.9 | 2.9 | 2.8 |
| Tank capacity | litres | 10 | 10 | 30 |
| Water connection | | (hose olives) for hose 12 mm inside-Ø | | Female R 3/4" |
| Required flow of cooling air | m³/h | 880 | 800 | 2.100 |
| Operating voltage | Ph/Volts/Hz | 1/N/PE/230/50 | 1/N/PE/230/50 | 1/N/PE/230/50 |
| Weight | kgs | 23 | 25 | 101 |
| Dimensions (WxDxH) | mm | 230x520x650 | 230x520x650 | 580x650x920 |

Distribution by:

# National Lab

CE

**F.020**

Reg: PCFLYEN-130525

with ID code

with ID code

with ID code

### EPPi® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. Without ID code.
(See also page 4: KEA45)

| Cat. No. | Colour | Cat. No. | Colour |
|---|---|---|---|
| KEA50-C81NA | natural | KEA50-C81YE | yellow |
| KEA50-C81NY | neon-yellow | KEA50-C81BU | blue |
| KEA50-C81NB | neon-blue | KEA50-C81GR | green |
| KEA50-C81NG | neon-green | KEA50-C81RE | red |
| KEA50-C81NP | neon-red/pink | KEA50-C81VT | violet |
| KEA50-C81NO | neon-orange | KEA50-C81BL | black |
| KEA50-C81WH | white | KEA50-C81BB | black/black* |

*black/black: Lower half and lid black for light-sensitive samples

### EPPi® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides. (See also page 4: KEB45)

| Cat. No. | Colour | Cat. No. | Colour |
|---|---|---|---|
| KEB50-C81NA | natural | KEB50-C81YE | yellow |
| KEB50-C81NY | neon-yellow | KEB50-C81BU | blue |
| KEB50-C81NB | neon-blue | KEB50-C81GR | green |
| KEB50-C81NG | neon-green | KEB50-C81RE | red |
| KEB50-C81NP | neon-red/pink | KEB50-C81VT | violet |
| KEB50-C81NO | neon-orange | KEB50-C81BL | black |
| KEB50-C81WH | white | KEB50-C81BB | black/black* |

*black/black: Lower half and lid black for light-sensitive samples
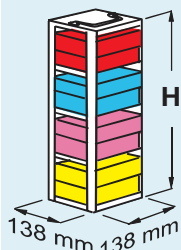
### EPPi® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides as well as on the bottom of the box (transparent). (See also page 4: KEC45)

| Cat. No. | Colour |
|---|---|
| KEC50-C81NA | natural |
| KEC50-C81NY | neon-yellow |
| KEC50-C81NB | neon-blue |
| KEC50-C81NG | neon-green |
| KEC50-C81NP | neon-red/pink |
| KEC50-C81NO | neon-orange |

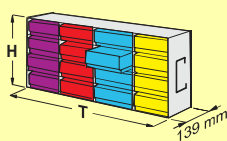### EPPi® 50 / 9x9 · height 52 mm fix.

Inner height 50 mm. 9x9 divider holds 81 vials up to 12.5 mm diameter. With alphanumeric ID code on all 4 sides as well as on the bottom of the box (transparent) and on the lid. (See also page 4: KEE45)

| Cat. No. | Colour |
|---|---|
| KEE50-C81NA | natural |
| KEE50-C81NY | neon-yellow |
| KEE50-C81NB | neon-blue |
| KEE50-C81NG | neon-green |
| KEE50-C81NP | neon-red/pink |
| KEE50-C81NO | neon-orange |

# Stainless Steel Vertical Racks
## for EPPi®50 and EPPi®45

**H**

138 mm   138 mm

| No.of Boxes | Height (mm) | Cat. No. | No.of Boxes | Height (mm) | Cat. No. |
|---|---|---|---|---|---|
| 4 | 226 | TE50-04AN | 10 | 556 | TE50-10AN |
| 5 | 281 | TE50-05AN | 11 | 611 | TE50-11AN |
| 6 | 336 | TE50-06AN | 12 | 666 | TE50-12AN |
| 7 | 391 | TE50-07AN | 13 | 721 | TE50-13AN |
| 8 | 446 | TE50-08AN | 14 | 776 | TE50-14AN |
| 9 | 501 | TE50-09AN | | | |

# Stainless Steel Horizontal Racks
## for EPPi®50 and EPPi®45

H   T   139 mm

| No.of Boxes | DxH (mm) | Cat. No. | No.of Boxes | DxH (mm) | Cat. No. |
|---|---|---|---|---|---|
| 8 (2x4) | 278 x 224 | SE50-24AN | 12 (4x3) | 549 x 169 | SE50-43AN |
| 10 (2x5) | 278 x 279 | SE50-25AN | 16 (4x4) | 549 x 224 | SE50-44AN |
| 12 (2x6) | 278 x 334 | SE50-26AN | 20 (4x5) | 549 x 279 | SE50-45AN |
| 14 (2x7) | 278 x 389 | SE50-27AN | 24 (4x6) | 549 x 334 | SE50-46AN |
| 9 (3x3) | 414 x 169 | SE50-33AN | 28 (4x7) | 549 x 389 | SE50-47AN |
| 12 (3x4) | 414 x 224 | SE50-34AN | 15 (5x3) | 685 x 169 | SE50-53AN |
| 15 (3x5) | 414 x 279 | SE50-35AN | 20 (5x4) | 685 x 224 | SE50-54AN |
| 18 (3x6) | 414 x 334 | SE50-36AN | 25 (5x5) | 685 x 279 | SE50-55AN |
| 21 (3x7) | 414 x 389 | SE50-37AN | 30 (5x6) | 685 x 334 | SE50-56AN |
| | | | 35 (5x7) | 685 x 389 | SE50-57AN |

# EPPi-Rack® Horizontal Racks
## for EPPi®50 and EPPi®45

**O** or **M**

**L** or **V**

Stop
Without **O**   With **M**

Cat. No. **SE50-** NA

| Without O | With M |
|---|---|
| 346 | 367 |
| 288 | 306 |
| 231 | 245 |
| 173 | 184 |
| 116 | 123 |

6  5  4  3  2  1

56  46  36  26
55  45  35  25
54  44  34  24
53  43  33  23
52  42  32  22

140

682  549  416  283
700  567  434  301

**O** = Without Stop
**M** = With

**L** Base of drawer in middle open. Facilitates removal and insertion.

**V** Base of drawer closed.

### Example:

Cat. No. **SE50- 3 3 NA M V**

EPPi-Rack **with** safety stop.
Base of drawers closed.
For 9 x EPPi®50 and EPPi®45 Kryo Box.

184   434   140

Cat. No. **SE50- 5 4 NA O L**

EPPi-Rack **without** safety stop.
Base of drawers open.
For 20 x EPPi®50 and EPPi®45 Kryo Box.

231   682   140

CE

**Other sizes available on request or see separate brochure!**

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