RADIATION PROTECTION SOLUTIONS

LOW & MEDIUM **ENERGY**

NUCLEAR MEDICINE

MEDISYSTEM.FR

Medisystem
WE RADIOPROTECT YOU

LEMER PAX
PROTECTING LIFE

LEMERPAX.COM

US

LEMER PAX & MEDISYSTEM, THE TWO FRENCH HISTORICAL LEADERS IN RADIATION PROTECTION, UNITE AND COMBINE THEIR EXPERTISE TO SERVE YOU BETTER.

A PROXIMITY **RELATION**

Our teams pool their resources to propose an optimised network guaranteeing a proximity relation and increased reactivity to satisfy your requirements as quickly as possible.

A TEAM OF EXPERTS **AT YOUR SIDE**

Together, we rely on our synergies to develop solutions adapted to your requirements, from design to installation, as well as the training of your teams.

FOR **YOU**

1 SALES
TEAM

2 PRODUCTION
SITES

1 OPTIMISED
CUSTOMER SUPPORT SERVICE

1 EXTENDED
DESIGN OFFICE

A **COMPLETE** RANGE

By combining our expertise and our know-how, we propose the most complete solutions providing effective protection against ionising radiation, both in France and internationally.

WANT TO **KNOW MORE?**

We demand excellence to protect what's most important: life.

LEMERPAX.COM

MEDISYSTEM.FR

& YOU

DESIGN

Shielding thickness calculations, zoning of a department, recycling solutions, our offers cover the complete spectrum of radiation protection, from standard to specific. Our teams have a thorough knowledge of the constraints of a Nuclear Medicine department and validate your specific radiation protection solutions.

INSTALLATION **& TRAINING**

Our desire for proximity relations weaves a solid fabric of trust with our customers. After delivering the product, our teams work alongside you for hands-on training and configuration in your department. We install the equipment and spend the training time necessary with your teams to support you as your practices develop.

UPGRADES

To guarantee the performance of your equipment over time, upgrades of the embedded software are installed on the connected products. They keep our products in perfect operating condition.

THEY PLACE THEIR TRUST IN US EVERY DAY

○ *Nuclear medicine and/or radiopharmacy services equipped with Lemer Pax and/or Medisystem products*

PREVENTIVE MAINTENANCE

Initiating a commercial relation with Lemer Pax and Medisystem is the assurance of guaranteed and customised maintenance by contract. This commitment is preventive and curative. It allows you to preserve the reliability of your equipment. This guarantees that you will be able to perform your job safely. In addition, it allows our technicians to perform corrective interventions by making inspections, replacements or simple checks.

RECYCLING & RELOCATION

In keeping with our commitment to sustainability and to make our contribution to the energy transition, we are partners with Recylum, an approved channel for the disposal of end of life products that are now recycled. During department redevelopment and reorganisation work or when completely relocating the laboratory, we intervene to desinstall, move then reinstall hot cells, hoods, glove boxes and tanks. At the end of life of our products, we also take care of removing and recycling obsolete equipment.

& YOU

LEMER PAX & MEDISYSTEM **GUARANTEES**

PROTECTING YOU AGAINST RADIATION, OPTIMISING THE TOOLS TO SIMPLIFY YOUR EVERYDAY ACTIONS, GUARANTEEING SAFE, HIGH QUALITY EQUIPMENT: THIS IS OUR BUSINESS.

Lemer Pax and Medisystem benefit from know-how recognised in the field of nuclear medicine and propose the innovating solutions most adapted to your requirements.

This skill offers the guaranty of reliable equipment for three major reasons: safety, quality and monitoring.

Safety

SAFETY

Safety is based above all on the reliability and robustness of our products. Our daily commitment is zero faults for optimum radiation protection. Bearing the CE mark, our equipment, certified ISO 13445 by the Laboratoire National d'Essais as regards the medical devices, protect the life of the patients and that of the operators to guarantee total safety.

Quality

QUALITY

A successful product is a well finished product. Meticulously designed by our Design Office, with rigorously selected materials and loyal partner suppliers, the products our engineers and technicians conceive, manufacture and commercialise meet the necessarily high standards of Nuclear Medicine services. The quality of this equipment is our keyword to satisfy you, who are bounded by an obligation of results and subjected to stringent safety radiation protection constraints.

Monitoring

MONITORING

Engaging into a sales relation with Lemer Pax and Medisystem is the assurance of continuous service and proximity, from installation to user training then throughout the product lifetime. The Customer support service offers service agreements, corrective maintenance and customised advice with a unique phone number and a mobile team to ensure fast on-site service .

CONTENTS

PREPARATION

EASY**PHARMA** CLASS A **COMPACT**

HOT CELL
2 GLOVE PORTS
FOR MANUAL PREPARATION
FOR LOW AND MEDIUM ENERGY
RADIOPHARMACEUTICAL SUBSTANCES

Reduced size: compact, small footprint.

Conformity: meets the requirements of good radiopharmaceutical preparation practices.

Compatibility: with all generators on the market.

Optimum visibility: front door made of Vision+ lead glass (optional) for full visibility of the work surface.

Ergonomics: front inclined at 7° and free space under the work surface for greater operator comfort irrespective of height and working position (standing and/or semi-seated).

Modularity: customisable lateralisation to adapt to the service and the internal working protocols.

Component parts

1 | **Two-generator compartment** equipped with 2 loading drawers and independent lifts as well as a secure, lockable front door.

2 | **Control panel** outside the hot cell (generator up/down controls, power socket, UV, pressure gauge, main machine off switch, etc.).

3 | **Lateral pass-through** with interlocked inner and outer doors to preserve the air class (2nd pass-through optional).

- **Door opening timeout** to preserve the air class.
- **Inner door** opened by **foot switch** for improved working ergonomics.
- **Sliding tray** for easy transfer of accessories on the work surface.

| **Work surface** composed of 2 removable stainless steel trays for easy cleaning and decontamination.

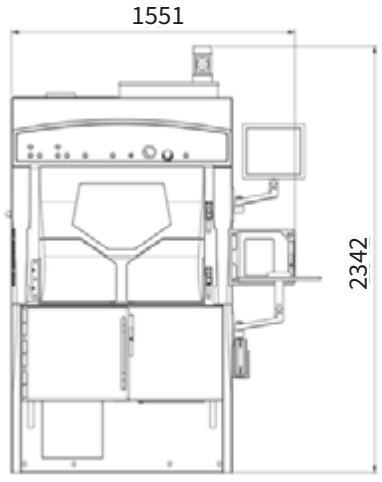
| **2 bin housings** with total or partial opening to optimise radiation protection at the extremities and removal of the containers from inside the hot cell for better full body radiation protection.

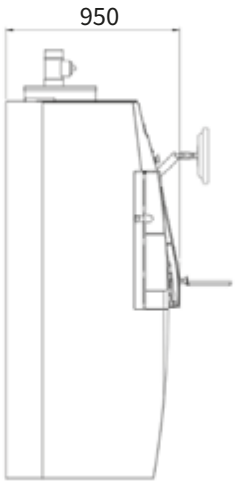
| **Dose calibrator housing** compatible with Scintidose and Posilift (other dose calibrator according to study).

| **Hot cell elevator** available on option.

Workplan

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 1551 x D 950 x H 2342 mm

Hot cell weight (1 pass-through): 2420 kg

Exterior finish: ABS

Interior finish: PVC

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 2 shielded one-bin compartments

Type of lighting: LED

Brightness: > 1000 Lux

Noise level: < 63 dB(A)

Shielding: 15mm lead

Work surface

Dim.: L 954 x D 570 x H 570 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1080 mm

Lead glass viewing window:
Standard window:
L 535 x W 368 x TH. 45 mm
Vision+ window (option):
L 750 x W 610 x TH. 45 mm

Shielding thickness: 15 mm

Generator compartment:

Effective dimensions of the generator compartment: L 369 x D 390 x H 410 mm

Shielding thickness: 50 mm

Number of generators: 2

Type of generators: IBA, Mallinckrodt, GE (others upon request)

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment:
Ø 220 x H 455 mm

Shielding thickness: 15 mm

Type of dose calibrators:
Lemer Pax, Medisystem, Capintec, Veenstra

Waste bin compartment

Effective dimensions of the bin compartment:
Ø 150 x H 225 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell:
-180 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption:
16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 sockets (electrical, RJ45 or USB as required)

2 sockets 230V

Radiation protection:

Dose rate:
≤ 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
Tc^{99m} > 74 GBq
In^{111} > 74 GBq
I^{131} ≤ 1.2 GBq

Package

Package dimensions: L 2200 x D 1500 x H 2500 mm

Package weight (product without options): 3000 kg

Ref.: 00017860

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
lemerpax.com

MEDI 9000 **2R LME** CLASS A

SHIELDED HOT CELL
TO HANDLE
LOW AND MEDIUM ENERGY
RADIOPHARMACEUTICAL SUBSTANCES

Optimised visibility
no blind spots.

Ergonomics: access to the entire work surface.

Reliability.

Component parts

1 | **Two-generator compartment** with independent lifts.

2 | **Control panel** outside the hot cell (generator up/down controls, 2 power sockets, 1 USB, 1 RJ45, UV, pressure gauge, machine emergency stop bumper, etc.).

3 | **Lateral pass-through in class C** with sealed inner door (with 2nd pass-through optional).

4 | **Removable stainless steel work surface** for easy cleaning.

5 | **Shelf on ergotron arm** in the bottom of the hot cell.

6 | **2 bin housings** accessible via the lower box of the hot cell.

7 | **Dose calibrator housing** compatible with all models on the market.
Option: spoon pneumatic raising and lowering device compatible with all dose calibrators on the market.

| **Sliding tray** for easy transfer of accessories from the pass-through to the work surface.

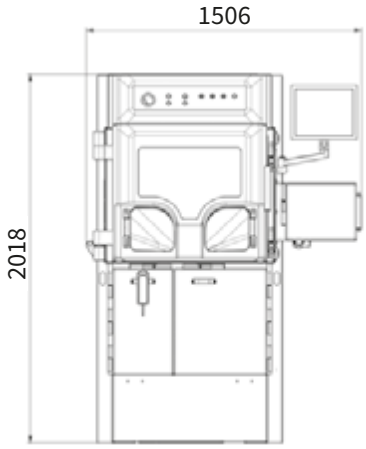
| **Option** : mechanical interlocking of the pass-throughs doors

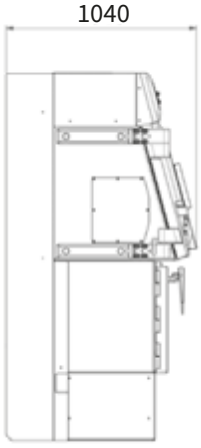
Key points - See details p.17

- Pass-through with sliding tray.
- Ergonomic opening of the pass-through.
- Stainless steel work surface.
- LED and UV variator.
- Grid with perforations for double circulation.
- Filter over the entire upper space.

Options - See details p.17

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 1506 x D 1040 x H 2018 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel.

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins

Type of lighting: LED

Brightness: > 1000 Lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through): 3100 kg

Work surface

Dim.: L 720 x D 520 x H 610 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1125 mm

Lead glass viewing window: Standard window: L 583 x W 422 x TH. 48 mm

Shielding thickness: 15 mm

Generator compartment:

Effective dimensions of the generator compartment: L 160 x D 250 x H 424 mm

Shielding thickness: 50 mm

Number of generators: 2

Type of generators: IBA, Mallinckrodt, GE (others upon request)

Dose calibrator compartment

Compatible with any dose calibrator of the market. Accessible by frontal door.

Shielding thickness: 15 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Waste bin compartment

Allows to use different types of containers. Accessible by frontal door.

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -160 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 power sockets + 1 RJ 45 / USB socket

Radiation protection:

Dose rate: ≤ 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
Tc^{99m} > 74 GBq
In^{111} > 74 GBq
I^{131} ≤ 1.2 GBq

Package

Package dimensions: 2 packages
L 1200 x D 1150 x H 2400 mm
L 70 x D 70 x H 50 mm

Package weight (product without options): 2 packages: 3050 kg + 200 kg

Ref.: 11905

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet medisystem.fr

EASY**PHARMA 4R** CLASS A

HOT CELL 4 GLOVE PORTS FOR MANUAL PREPARATION FOR LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES

**Presented in Vision+ version*

Comfort: spacious inner volume with 2 workstations.

Conformity: meets the requirements of good radiopharmaceutical preparation practices.

Compatibility: with all Tc^{99m} generators on the market.

Optimum visibility: front door made of Vision+ lead glass (optional) for full visibility of the work surface.

Ergonomics: front inclined at 7° and free space under the work surface for greater operator comfort irrespective of height and working position (standing and/or semi-seated).

Modularity: customisable lateralisation to adapt to the service and the internal working protocols.

Component parts

1 | **Two-generator compartment** (3rd optional) equipped with 2 loading drawers and independent lifts as well as a secure, lockable front door.

2 | **Generator access** from the work area. Lids with presence detecting sensor

3 | **2 power blocks including 2 sockets:** electrical/USB or RJ45 as required.

4 | **Control panel** outside the hot cell (generator up/down controls, power socket, UV, pressure gauge, main machine off switch, etc.).

5 | **Germicidal UV**

6 | **Lateral pass-through** with interlocked inner and outer doors to preserve the air class (2nd pass-through optional).

- **Door opening timeout** to preserve the air class.
- **Inner door** opened by **foot switch** for improved working ergonomics.
- **Sliding tray** for easy transfer of accessories on the work surface.

7 | **Dose calibrator housing** compatible with Scintidose and Posilift (other dose calibrator according to study).

8 | **3 bin housings** with total or partial opening to optimise radiation protection at the extremities and removal of the containers from inside the hot cell for better full body radiation protection.

| **Hot cell elevator** available on option.

| **Storage cabinet:** possibility of including a shielded storage cabinet under the work surface (optional).

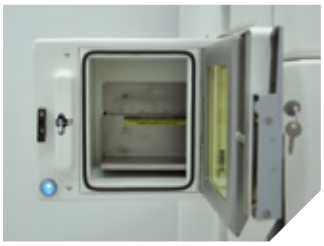
| **Work surface** composed of 3 removable stainless steel trays for easy cleaning and decontamination.

EASY**PHARMA 4R** CLASS A

HOT CELL 4 GLOVE PORTS FOR MANUAL PREPARATION FOR LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Description of the components

Generator compartment with drawer and elevator system



Exterior view of the pass-through, interlocking exterior door in the open position with additional key lock

Interior door of the pass-through in the closed position with compressed air supply controlled by a foot pedal

Pass-through with sliding tray

Dose calibrator dipper in the up position (controlled by a foot pedal, works with compressed air)

3 waste bin compartments

Magnetic plug for partial opening

Opens fully by removing the waste bin cover

Electrical/USB/RJ45 sockets

Germicidal UV

Filters covering the entire work surface - LED lighting

Stainless steel plates can be removed to facilitate cleaning

Dose calibrator screen on Ergotron arm

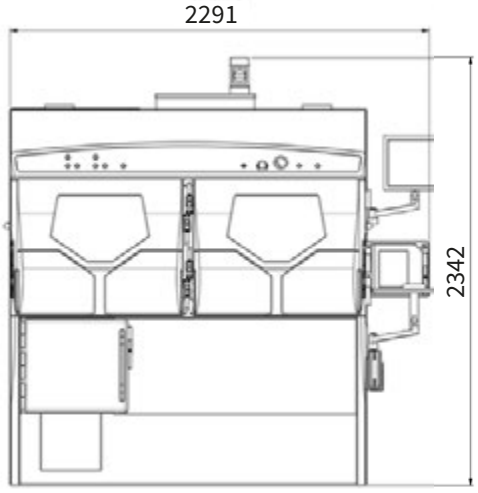
Features

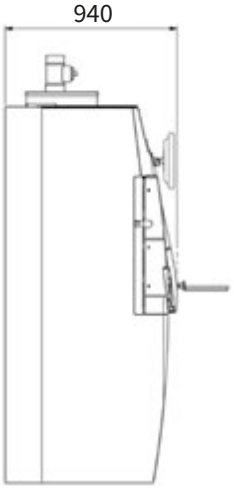
Elution of Tc^{99m} generators.

Marking and recreation of low and medium energy radiopharmaceutical kits.

Measurement of the various preparations and patient doses (if Scintidose option).

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 2291 x D 940 x H 2342 mm

Exterior finish: ABS

Interior finish: PVC

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 3 shielded compartments 1 bin
- 4 sockets (electrical or USB)

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 63 dB(A)

Hot cell weight (1 pass-through): 3311 kg

Work surface

Dim.: L 1694 x D 577 x H 583 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 4

Glove port axis height: 1080 mm

Lead glass viewing window:
2 windows
Standard window: L 535 x W 368 x TH. 45 mm
Vision+ window (option):
L 750 x W 610 x TH. 45 mm

Shielding thickness: 15 mm

Generator compartment:

Effective dimensions of the generator compartment: L 369 x D 390 x H 410 mm

Shielding thickness: 50 mm

Number of generators: 2 (3rd optional)

Type of generators: IBA, Mallinckrodt, GE (others upon request)

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment: Ø 220 x H 455 mm

Shielding thickness: 15 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Waste bin compartment

Effective dimensions of the bin compartment: Ø 150 x H 225 mm

Number of bins: 3

Aeraulic

Exhaust air flow rate: 150 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -180 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 4 sockets (electrical, RJ45 or USB as required)

Radiation protection:

Dose rate: ≤ 25 µSv/h at 5 cm from the wall

Maximum radioactivity that can be handled:
Tc^{99m} > 74 GBq
In^{111} > 74 GBq
I^{131} ≤ 1.2 GBq

Package

Package dimensions: L 2700 x D 1200 x H 2200 mm

Package weight (product without options): 3800 kg

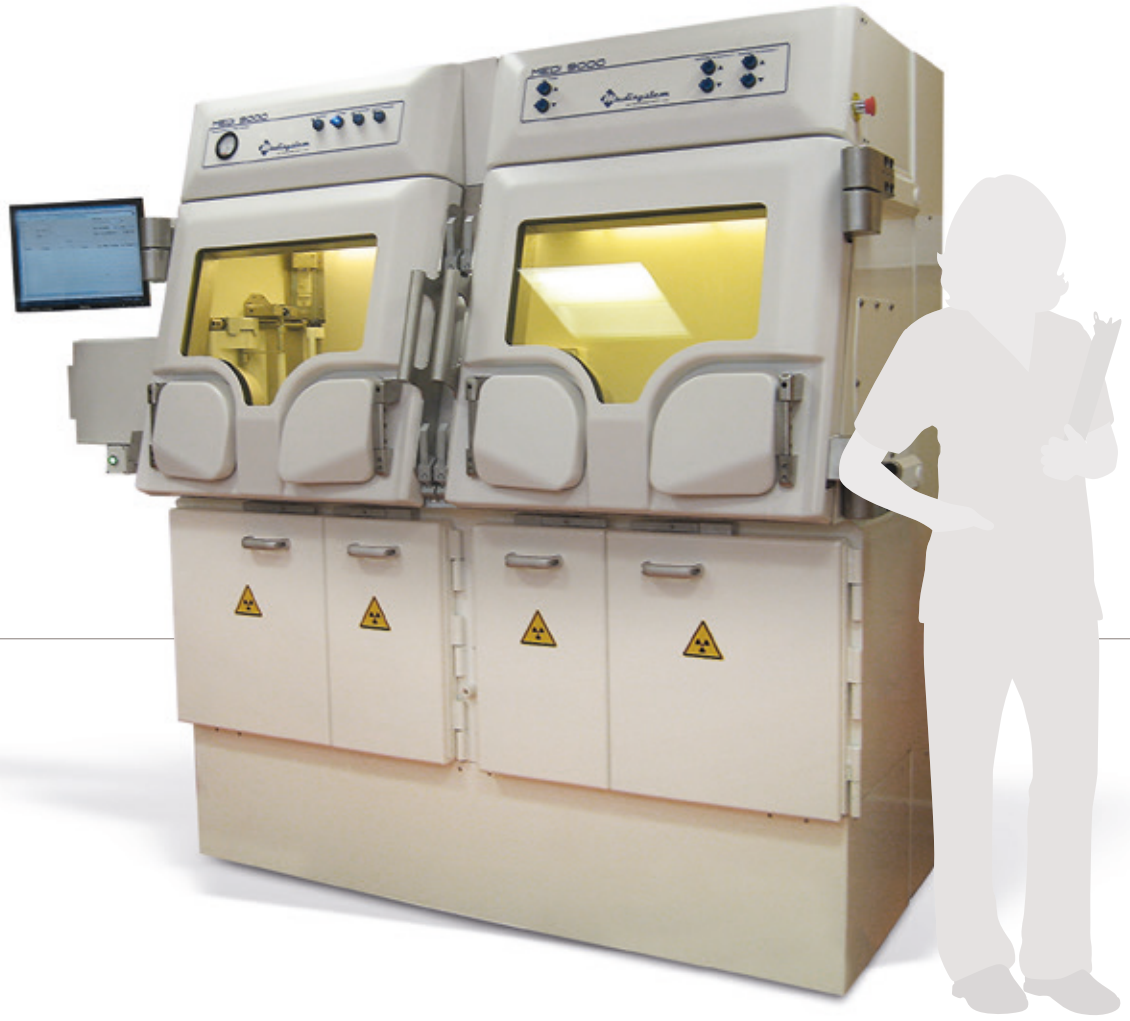
Ref.: 00010800

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
lemerpax.com

MEDI 9000 **4R LME** CLASS A

SHIELDED HOT CELL TO HANDLE LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES



Comfort: two independent work spaces.

Optimised visibility no blind spots.

Ergonomics: access to the entire work surface.

Reliability.

Features

Work in air controlled environment due to laminar flow.

Elution of Tc^{99m} generators.

Preparation of the various radiopharmaceutical solutions.

Measurement of the preparations and patient doses.

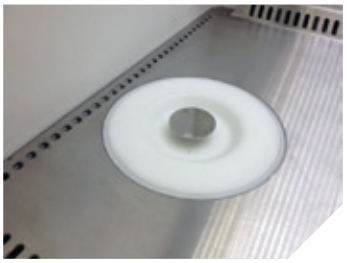
Key points of Medi 9000 4R and 2R hot cells

I Pass-through with sliding tray

I Ergonomic opening of the pass-through

I Stainless steel work surface

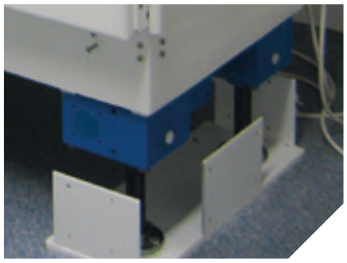
I LED and UV variator



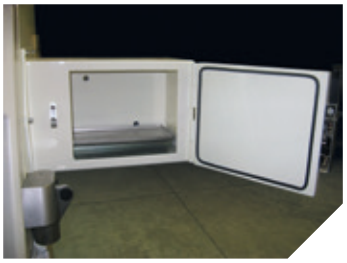
I Grid with perforations for double circulation.

I Filter over the entire upper space

Options for Medi 9000 4R and 2R hot cells



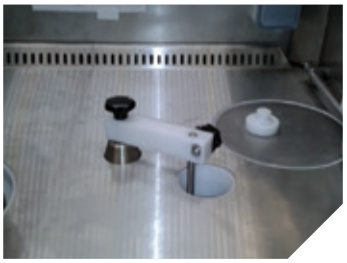
I Motorised height-adjustment system (20 cm)



I 2nd shielded pass-through (left, right or front)

I Interlocking of pass-through(s)

I Interlocking of a source compartment



I Spoon pneumatic raising and lowering device with compressor

I Dose calibrator

MEDI 9000 **4R LME** CLASS A

SHIELDED HOT CELL
TO HANDLE
LOW AND MEDIUM ENERGY
RADIOPHARMACEUTICAL SUBSTANCES

Component parts

1 | **15 mm Pb hot cell** (50 mm Pb generator box).

2 | **Removable stainless steel work surface** for easy cleaning.

3 | **Two-generator compartment** with independent lifts.

4 | **Exterior control panel** (generator up/down controls, 2 power sockets, 1 USB, 1 RJ45, UV, pressure gauge, machine emergency stop bumper, etc.). **Double panel if creation of two independent work spaces** separated by a sealed partition (including independent ventilation and electrical cabinet).

5 | **Lateral pass-through in class C, with sliding tray** for transfer to the work surface (second pass-through and bidirectional interlocking optional).

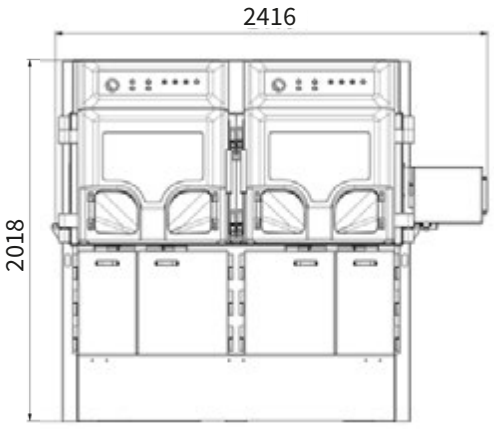
6 | **Option: front pass-through** with direct access to the work surface.

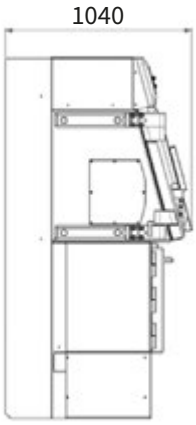
7 | Storage tray on ergotron arm in the bottom of the hot cell.

8 | **2 bin housings** accessible via the lower box of the hot cell.

9 | **Dose calibrator housing** compatible with all models on the market. Option: spoon pneumatic raising and lowering device (compatible with all dose calibrators on the market).

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 2416 x D 1040 x H 2018 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins

Type of lighting: LED

Brightness: > 1000 Lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through): 4540 kg

Work surface

Dim.: L 1 724 x D 534 x H 524 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 4

Glove port axis height: 1125 mm

Lead glass viewing window:
2 windows
Standard window: L 583 x W 422 x TH. 48 mm

Shielding thickness: 15 mm

Generator compartment:

Effective dimensions of the generator compartment: L 160 x D 250 x H 424 mm

Shielding thickness: 50 mm

Number of generators: 2

Type of generators: IBA, Mallinckrodt, GE (others upon request)

Dose calibrator compartment

Compatible with any dose calibrator of the market. Accessible by frontal door.

Shielding thickness: 15 mm

Type of dose calibrators:
Lemer Pax, Medisystem, Capintec, Veenstra

Waste bin compartment

Allows to use different types of containers. Accessible by frontal door.

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -160 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption:
16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 4 sockets (electrical, RJ45 or USB as required)

Radiation protection:

Dose rate:
≤ 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
Tc^{99m} > 74 GBq
In^{111} > 74 GBq
I^{131} ≤ 1.2 GBq

Package

Package dimensions: 2 packages:
L 2250 x D 1150 x H 2400 mm
L 2250 x D 1150 x H 1680 mm

Package weight (product without options): 2 packages: 2250 kg + 2450 kg

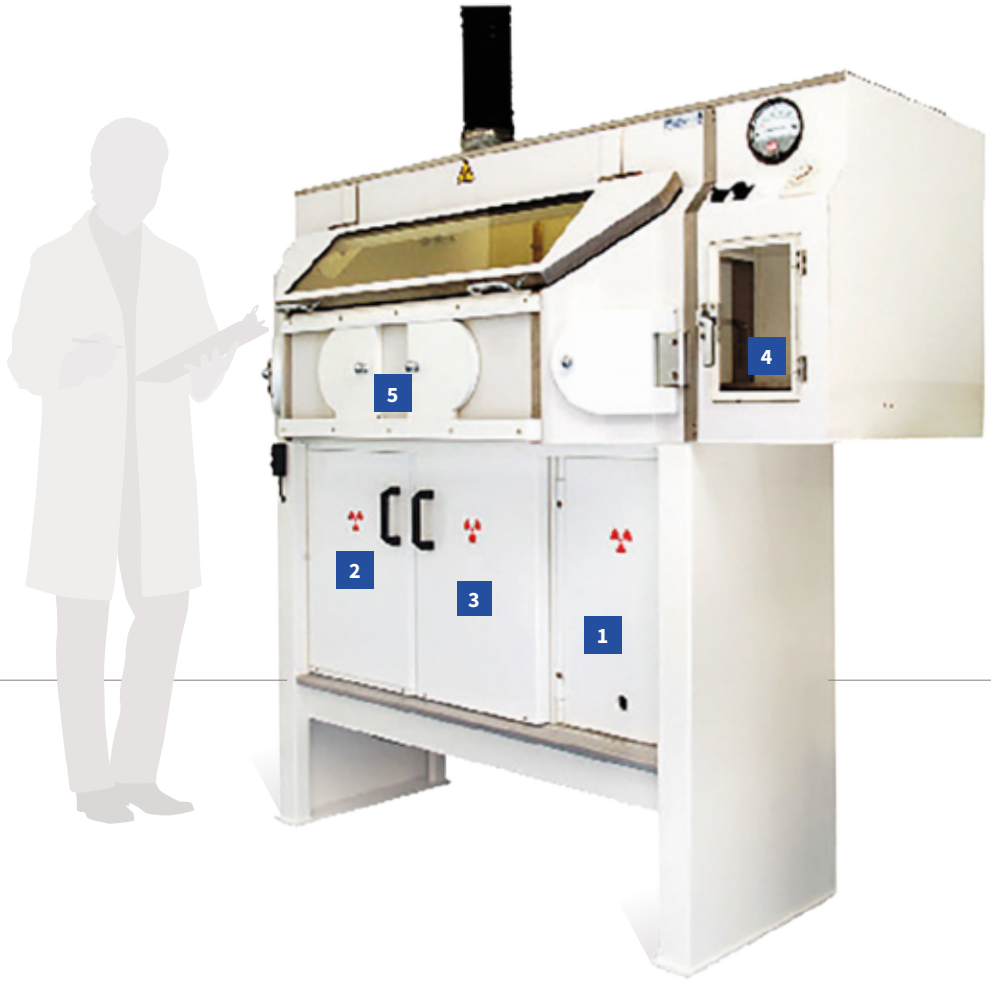
Ref.: 11915

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
medisystem.fr

MEDI 2000 **4R** CLASS **C**

SHIELDED HOTCELL TO HANDLE LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES



Robustness.

Reliability.

Ergonomics.

Simplicity.

Component parts

1 | **Dose calibrator compartment.**

2 | **Two-generator compartment** with independent lifts.

3 | **Compartment 2 bins.**

4 | **Lateral pass-through in Class C.**

5 | **Access to the work surface** via opening on window actuator.

| **Connections on the work surface:** 2 power sockets + 1 RJ 45 / USB socket

| **Ergotron arm** on bottom of hotcell.

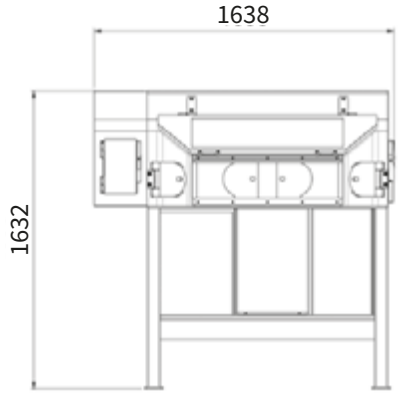
Features

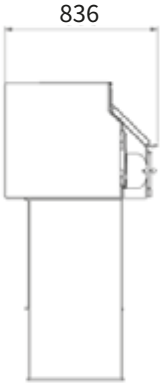
Elution of Tc^{99m} generators.

Preparation of the various radiopharmaceutical solutions.

Measurement of the preparations and patient doses.

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 1638 x D 836 x H 1632 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins

Type of lighting: LED

Brightness: > 1000 Lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through): 1800 kg

Work surface

Dim.: L 1 210 x D 520 x H 600 mm

Work surface finish: Corian

Number of glove ports: 4

Glove port axis height: 1135 mm

Lead glass viewing window:
1 window
Standard window:
L 1185 x W 258 x TH. 36 mm

Shielding thickness: 15 mm

Generator compartment:

Effective dimensions of the generator compartment: L 156 x D 347 x H 220 mm

Shielding thickness: 45 mm

Number of generators: 2

Type of generators: IBA, Mallinckrodt, GE (others upon request)

Dose calibrator compartment

Compatible with any dose calibrator of the market. Accessible by frontal door

Shielding thickness: 10 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Waste bin compartment

Allows to use different types of containers. Accessible by frontal door

Number of bins: 2

Aeraulic

Exhaust air flow rate: 100 m^3/h

Work surface air quality: Class C

Negative pressure inside the hotcell: -160 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 power sockets + 1 RJ 45 / USB socket

Radiation protection:

Dose rate:
≤ 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
Tc^{99m} > 74 GBq
In^{111} > 74 GBq
I^{131} ≤ 12 GBq

Package

Package dimensions: L 2400 x D 1200 x H 2150 mm

Package weight (product without options): 2450 kg

Ref.: 12051

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
medisystem.fr

PSMEB CLASS A

MICROBIOLOGICAL SAFETY CABINET FOR MANUAL PREPARATION OF THE LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Ergonomics: front inclined at 7° and free space under the work surface for greater operator comfort irrespective of height and working position (standing and/or semi-seated).

Modularity: wide choice of shieldings and work surface sizes.

Regulatory conformity: Type II PSM compliant with EN 12469.
ISO5 air quality i.a.w. EN 14644-1.

Easy cleaning: removable and retractable lead glass screen.

Options: dose calibrator compartment, bin compartments, two-generator compartment (right or left lateralisation) and electric window.

Easy cleaning and maintenance: front access.

Component parts (version with all options)

1 | **Mobile lead glass shielded screen.**

2 | **Electric window.**

3 | **2-generator compartment:** equipped with 2 loading drawers and independent lifts as well as a secure, lockable front door.

4 | **Control panel** outside the hotcell to raise and lower the generators.

| **2 bin housings.**

| **Dose calibrator housing** compatible with Scintidose and Posilift (other dose calibrator upon request).

Features

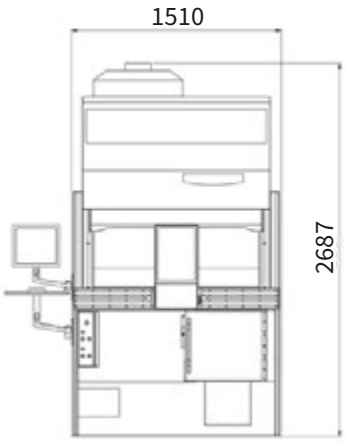
Specific filtration principle: PSMEB is equipped with a filtration system consisting of automatically-controlled fans and 2 HEPA filters (one for blowing into the working area and the other for extraction to the outside): 70 % of the air is recycled through the main filter and 30 % renewed by the extraction filter. The filtration system is designed to maintain an air barrier at a minimum speed of 0.4 m/s.

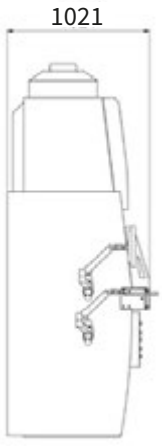
Elution of Tc^{99m} generators.

Marking and recreation of low and medium energy radiopharmaceutical kits.

Measurement of the various preparations and patient doses (with Scintidose option).

Effective dimensions (mm)





Characteristics

General

Overall dimensions*:
L 1510 x D 1021 x H 2687 mm

Exterior finish: Painted steel

Interior finish: Stainless steel 316 L

Options:
- generator compartment
- dose calibrator compartment
- bin compartment

Type of lighting: Neon

Brightness: > 1000 lux

Noise level: < 54 dB(A)

Product weight with all options:
PSMEB 5-1200: 1900 kg
PSMEB 10-1200: 2000 kg
PSMEB 15-1200: 2100 kg

Working volume

Effective dimensions: L 1192 x D 580 x H 740 mm

Overall dimensions:
L 1403 x D 1004 x H 2622 mm

Work surface finish: Stainless steel 316 L

Lead glass viewing window:
1 sliding window:
L 270 x H 378 mm

Generator compartment (optional)

Shielding thickness: 50 mm

Number of generators: 2

Type of generators: IBA, GE, Mallinckrodt

Dose calibrator compartment (optional)

Effective dimensions of the dose calibrator compartment:
Ø 220 x H 455 mm

Shielding thickness: 15 mm

Bin compartment (optional)

Effective dimensions of the bin compartment:
Ø 150 x H 225 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 400 m^3/h

Work surface air quality: Class A

Electrical

Supply voltage: 250 V / 50 Hz

Current consumption: 7.1 A

Inner power socket:
1 (230 V, 50 Hz, 4 A)

Package

Delivered disassembled, at least 3 packages

Ref.: .00011068

** The dimensions must be confirmed by a layout drawing.*

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HBI

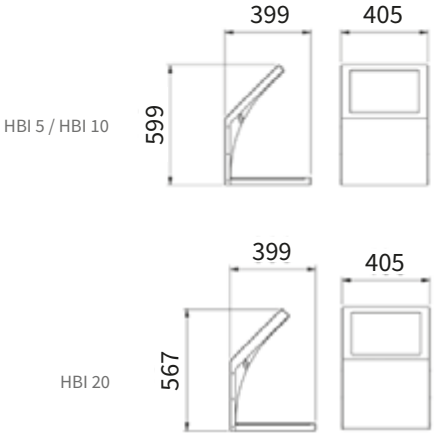
BENCH INCLINED SHIELDED WINDOW

Comfort: bench screen with large visibility area.

Modularity: adapts to all bench types.

Easy hygiene: thanks to the coating.

Effective dimensions (mm)



Characteristics

General	HBI 5	HBI 10	HBI 20
Overall dimensions:	L 405 x D 399 x H 559 mm		L 405 x D 399 x H 567 mm
Radiation protection (mm lead):	5	10	20
Lead glass thickness:	8 mm	24 mm	40 mm
Weight:	45 kg.	70 kg.	110 kg.
Package			
Package dimensions:	L 850 x D 650 x H 750 mm		
Package weight:	80 kg.	105 kg.	145 kg.
Ref.:	**HBI 5**	**HBI 10**	**HBI 20**

Download the product data sheet
lemerpax.com

CONT'ELU

LEAD SHIELDED ELUTION POTS TO HOLD VIALS UP TO 15 ML

Easy decontamination: stainless steel surface

Simplicity: glass replaceable by operator.

Adaptability: full or reduced vision as required.

Download the product data sheet
medisystem.fr

Spare parts

Cont'elu SP - COV full vision and Cont'elu SP - CBI full vision glass	Cont'elu - CBI glass with viewing window	Cont'elu - CBI full vision elongated glass - Zevalin pot	Cont'elu SP - COV full vision plug / Cont'elu SP - CBI Full vision / Cont'elu - CBI Full vision elongated - Zevalin pot
Ref. 11391	**Ref.** 11496	**Ref.** 11591	**Ref.** 11499

Characteristics

General	Cont'elu SP - COV Full vision	Cont'elu SP - CBI Full vision	Cont'elu - CBI with viewing window	Cont'elu - CBI full vision elongated - Zevalin pot
Material:	-	Stainless steel structure	Stainless steel structure	Stainless steel structure
Overall dimensions:	-	Ø 59.7 x H 80.3 mm	Ø 54.4 at max. width x H 85 mm	Ø 59.7 x H 80.3 mm
Internal dimensions:	Ø 26.5 x H 50.1 mm	Ø 26.5 x H 58.6 mm	Ø 26.5 x H 58.6 mm	Ø 26.5 x H 58.6 mm
Height of lead glass cylinder:	-	32.2 mm	-	47.9 mm
Dim. of lead glass window:	-	-	L 22 x H 30 mm	-
Weight:	0.9 kg.	0.9 kg.	0.9 kg.	0.9 kg.
Radiation protection:	-	6 mm lead / 14 mm lead glass		
Package				
Package dimensions:	L 70 x D 70 x H 100 mm			
Package weight:	1.2 kg.			
Ref.:	**11690**	**11490**	**11495**	**11590**

DOSE CALIBRATOR **SCINTIDOSE**

RANGE OF 3 DOSE CALIBRATORS FOR LOW, MEDIUM AND HIGH ACTIVITIES

Reliability: accurate measurement.

Interoperability: bidirectional connection with the radiopharmacy software developed by Nicesoft, Softway Medical, Thélème (others upon request).

User-friendly and ergonomic: simple and intuitive graphic interface, Posilift (foot-controlled spoon lift).

Regulatory conformity: CE 0459 marking, measurement system calibratable by certified body (ISO 17025).

Component parts

1 | **A highly sensitive** (I ≥ 15 fA) shielded ionisation chamber, with a removable protective lining made from radio-transparent plastic placed inside the detector protects the ionisation chamber from all forms of accidental contamination.

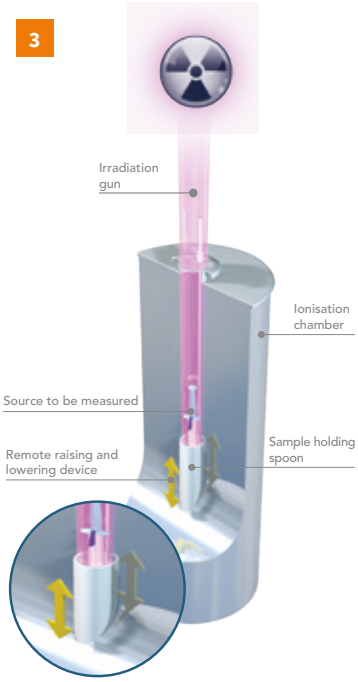
2 | **A sample holding spoon** compatible with the Posilift remote-controlled raising and lowering device.

3 | **User-friendly and ergonomic interface.** The range menus and controls as well as the display have been designed to provide visual comfort and optimum readability. The modular interface is configurable according to isotope requirements.

1

2

3



Features

Units: possibility of choosing the working units (Becquerel or Curie).

Isotopes: database with 300 references, 300 channels available.

Energy range measurable: from 30 keV to 2 MeV.

Tool features: various menus in the control panel help operators to perform their daily work (labels, subtractive measurement, decay calculation, etc.). (1)

Quality controls: inspections regulated by the French decree of 25 November 2008 and international standard IEC 61948-4 can be conducted. A program of integrated inspections is especially dedicated to the daily inspections to allow quick, assisted and safe execution by the operator. (2)

Report of injection and quality controls available by printing labels and consultable on the secure web site accessible on PC and mobile devices (smartphone, tablet, etc.).

Radiation protection: the Posilift option significantly reduces irradiation at body extremities and provides true working comfort. The sample holding spoon raising and lowering device is a pneumatic system remotely controlled by a foot pedal. (3)

Customised support: remote maintenance.

Characteristics

General

Overall dimensions: Ø 200 x H 420 mm

Inner Ø: 45 mm

Weight: 25 kg.

Measurable energy range: 30 keV to 2 MeV

Measurement stability: ≥ 99 %

Measurement accuracy: ≥ 95 %

Filling gas: argon (99 %)

Operating temperature: 18 °C to 45 °C

Isosensitivity zone at 2 %: total height 80 mm

Repeatability (relative standard deviation/mean): ≤ +/-1 %

Reproducibility (relative standard deviation/mean): ≤ +/- 1 %

Counting time: 2 to 5 s

Operating system: Windows Embedded Standard 7

Radiation protection:

Shielding: 6 mm

Package

Package dimensions: L 800 x D 500 x H 700 mm

Weight: 60 kg.

Ref.: microDose - 00005855
In vitro activity, cell labelling,… (from 15kBq to 100MBq - from kBq to 300 MBq)
Scintidose - 00005398
Low and high energy nuclear medicine (from 15kBq to 37 GBq - from 45kBq to 111GBq)
cycloDose - 00005857
Radiopharmacy, Cyclotron (from 15kBq to 500GBq - from 45kBq to 11.1 TBq)

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DOSE CALIBRATOR
MEDI 405

COMPUTERISED DOSE MEASUREMENT DEVICE

Intuitive: hardware and software easy to use.

Ergonomic: possibility of using the touch screen and the mouse/keyboard. 24" screen allowing double display to view 2 applications simultaneously.

Compatibility with Softway Medical, Thélème and Nicesoft.

Reliability: long lifetime of the ionisation chamber

Component parts

1 I 1 ionisation chamber.

2 I 1 wireless mouse and keyboard for use in the hotcell.

3 I 1 management software installed with Windows 7 environment.

I 2 plexiglass protective linings inside the well.

I 2 spoons.

Management software features

Monitoring and quality control:
- Alerts for tests to be conducted,
- Result linearity test,
- Constancy control,
- Battery check.

Measurement chamber settings:
- Subtraction of background noise,
- Stability measurement,
- BIAS adjustment.

Database management:
- Isotope database,
- Patient database with appointment manager,
- "Vial" database with calculations of doses to be prepared.

Program customisation:
- 10 preprogrammed isotopes to be chosen out of 42,
- Creation of shortcuts by user-programmable reduced list,
- Choice of units,
- Frequency of quality controls,
- Various containers taken into account,
- Choice of label text.

Activity measured: 1 MBq – 200 GBq (Tc^{99m})

Printing of labels for vials

Characteristics

General

24 inch touch LCD screen

Wireless keyboard/mouse

Dim.: Ø 150 x H 450 mm

Weight: 15.5 kg.

Lead protection: 3 mm

Energy: between 25 keV and 3 MeV

Measurement stability: ≥ 99 %

Measurement accuracy: ≥ 95 %

Linearity: ± 1 % between 1 MBq and 200 GBq (Tc^{99m})

Overall accuracy: ± 3 % depending on the calibration source and geometric variations

Response time: max. 2 seconds for 95 % of the result

Computer platform

Mini-PC: Intel® Atom® 1.6 GHz processor
2 GB RAM
105 W / 100 V ~ 240 V / 50 ~ 60 Hz

Connectivity: 2 COM ports / TV-Out / 4 USB 2.0 ports / Ethernet 10/100 / VGA Out

Interface: Standard RS-232C interface

Package

Package dimensions:
L 600 x D 700 x H 800 mm

Package weight: 28 kg.

Ref.: 15010

Options

Label printers

Ref. 15013

Leaded pot for molybdenum measurement

Ref. 15006

Spare parts

Protective lining

Ref. 15001

Spoon

Ref. 15002

Download the product data sheet
medisystem.fr

PFE / PME VIAL SHIELD

LEAD GLASS VIAL SHIELD

Optimum radiation protection: fully lead glass and tungsten design for minimum operator exposure.

Comfort: content visible at 360°.

Compatibility: adapts to all types of vial (through the use of a plastic adaptor).

Characteristics

General	PFE	PME
Overall dimensions:	Ø 57 x H 115 mm	Ø 67 x H 115 mm
Internal dimensions:	Ø 31 x H 62 mm	
Radiation protection (mm lead):	10	15
Weight:	1.4 kg.	1.9 kg.
Package		
Package dimensions:	L 210 x D 150 x H 150 mm	
Package weight:	1.5 kg.	2 kg.
Ref.:	**.02250010**	**.02250011**

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PDA SUPPORT

SUPPORT FOR THE PREPARATION OF DOSES TO BE ADMINISTERED IN RADIOPHARMACY

The PDA support is the result of successful collaboration between the Lemer Pax R&D department and Mickaël CHAUSSARD (radiopharmacist at Robert Pax hospital) as well as the professional baccalaureate section of the Henri Nominé technical school.

Reliability: preparation identified by colour code (6 different colours proposed).

Ergonomics: inclined position of the vial for comfort and accurate movement, and therefore optimisation of sampling operations.

Optimised radiation protection: quick sampling with one hand possible.

Safety: the 2 specific compartments reduce the risk of pricking when recapping the needle and limit cross contaminations (NaCl 0.9 % ampoule).

Easy hygiene and cleaning: smooth and robust material guaranteeing easy disinfection and decontamination.

Réf. 00025777

Component parts

1 | **Main housing for the vial shield** inclined to optimise sampling of the last dose (different cavities adapting to all vial shield sizes).

2 | **Needle recapper,** to avoid accidental pricking.

3 | **Identification:** on side receiving the preparation label without hiding the volume in the vial.

4 | **Solute housing:** avoids contaminating the work surface and inter-preparation contaminations when sampling patient doses.

Download the product data sheet lemerpax.com

VIAL SHIELD
MEDI 24

POT FOR STORAGE AND USE OF VIALS

Modular: up to 30 mL, plexiglass adaptors supplied (2 mL and 10 mL).

Optimum hygiene: decontaminable stainless steel and lead glass.

Simplicity: glass replaceable by operator.

Characteristics

General

Material: Stainless steel structure

Overall dimensions: Ø 80 x H 103 mm

Internal dimensions: Ø 37 x H 68 mm

Lead glass thickness: 21.5 mm

Lead glass density: 5.2 g/cm³

Weight: 2.54 kg.

Package

Package dimensions: L 140 x D 140 x H 180 mm

Package weight: 3.6 kg.

Ref.: 11410

Download the product data sheet
medisystem.fr

MANIPULATION TONGS

2 TONG MODELS TO HANDLE THE VIALS REMOTELY

Ergonomics: curved ends to grip the vials more easily.

Easy decontamination through fully stainless steel design.

Characteristics

General		
Tong length:	250 mm	400 mm
Material:	Stainless steel	
Weight:	90 g.	230 g.
Dim.:	L 85 x D 240 x H 40 mm	L 100 x D 385 x H 50 mm
Package		
Package dimensions:	L 120 x D 420 x H 100 mm	
Package weight:	0.45 kg.	
Ref.	**14350**	**14351**

POSI**TONG**

MANIPULATION TONGS FOR VIAL

Model with handle and shield

Model with handle

Models without handle

Optimum radiation protection at extremities: improved by the different lengths proposed and the shield (optional).

Modularity: product suitable for left-handed or right-handed operators.

Characteristics

General						
Tong length:	250 mm		350 mm		500 mm	
Model (handle):	Without	With	Without	With	Without	With
Weight:	80 g.	280 g.	100 g.	300 g.	140 g.	340 g.
Package						
Package dimensions:	L 310 x D 220 x H 150 mm			L 100 x D 300 x H 270 mm		
Package weight:	1 kg.					
Ref.:	**02250030**	**00004700**	**02250041**	**02019910**	**02250050**	**02019915**
Model with handle and shield Ref.:	**00004938**		**00003758**		**00003759**	

SHIELDED DRY BATH

THERMOSTATICALLY CONTROLLED SYSTEM

Optimum radiation protection: shielded vial support.

Rapidity: Efficient heating system (7 °C/min).

Performance: Wide thermostat range (up to 160 °C).

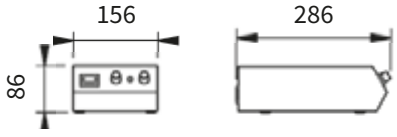
Safety: heat and power indicator light.

Accuracy: digital thermometer for the vial holder.

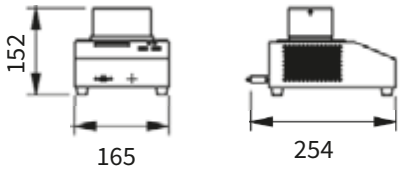
Digital Dry Bath Heater

Digital Dry Bath Chiller

Effective dimensions (mm)



Digital Dry Bath Heater



Digital Dry Bath Chiller

Characteristics

General	Digital heater	Digital chiller
Temperature range	Up to +150 °C	From -10 to +100 °C
Overall dimensions:	L 156 x D 286 x H 86 mm	L 165 x D 254 x H 152 mm
Radiation protection:	5 mm lead	
Weight:	7.2 kg.	9.2 kg.
Package		
Package dimensions:	L 330 x D 280 x H 170 mm	
Package weight:	9 kg.	11 kg.
Ref.:	**00014837**	**00005243**

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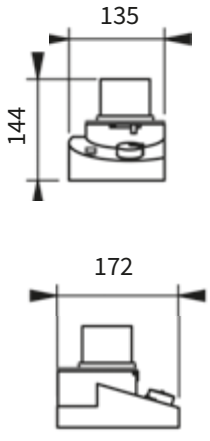
SHIELDED STIRRER

Performance: vortex type movement with variable speed up to 2400 r.p.m.

Safety: guaranteed through excellent stability.

Optimum radiation protection: 6 mm lead.

Effective dimensions (mm)



Characteristics

General

Overall dimensions: L 135 x D 172 x H 144 mm

Radiation protection: 6 mm lead

Weight: 6.7 kg.

Package

Package dimensions: L 220 x D 200 x H 150 mm

Package weight: 8 kg.

Ref.: 02030001

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INJECTION

MEDI**CLIC**

RANGE OF TUNGSTEN SYRINGE SHIELDS FOR LOW AND MEDIUM ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Compatibility: with all syringes on the market.

Simplicity: can be completely disassembled by the operator for decontamination or to change the glass.

Ergonomics: Lead glass window with zoom effect and white lining for optimum viewing.

Rapidity: quick and easy syringe insertion/ withdrawal system (1 click).

Consumables

Mediclic tungsten glass TC 1 mL short and long
Ref. 11452

Mediclic tungsten glass TC 2 mL and 2 mL "BD Emerald"
Ref. 11464

Mediclic tungsten glass TC 2.5 mL
Ref. 11462

Mediclic tungsten glass TC 3 mL short
Ref. 11494

Mediclic tungsten glass TC 3 mL long
Ref. 11492

Mediclic tungsten glass TC 5 mL short and long
Ref. 11472

Mediclic tungsten glass TC 10 mL short
Ref. 11484

Mediclic tungsten glass TC 10 mL long
Ref. 11482

Characteristics

General	1 mL short	1 mL long	2 mL	2 mL "BD Emerald"	2.5 mL	3 mL short	3 mL long	5 mL short	5 mL long	10 mL short	10 mL long
Size planned for the syringe:	70 mm	74 mm	52 mm	49 mm	58 mm	62 mm	68 mm	59 mm	62 mm	73 mm	82 mm
Radiation protection:	2 mm tungsten / 6 mm lead glass										
Package											
Package dimensions:	L 240 x D 180 x H 50 mm										
Package weight:	0.130 kg + weight of syringe shield										
Ref.:	**11453**	**11451**	**11463**	**11465**	**11461**	**11493**	**11491**	**11473**	**11471**	**11483**	**11481**

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medisystem.fr

EASY**VIEW**

COMPLETE RANGE OF ERGONOMIC TUNGSTEN SYRINGE SHIELDS

Range compatible with all syringes on the market.

Ergonomics: easy gripping and extra large viewing window with zoom effect.

Easy maintenance: quick and easy glass changing by removing a single screw.

Characteristics

General	1 mL			2 mL		2.5 mL	3 mL	5 mL			10 mL			
Length:	70 mm	75 mm	76 mm	50 mm	53 mm	59 mm	69 mm	57 mm	61 mm	64 mm	73 mm	75 mm	83 mm	85 mm
Inner dia.:	9 mm	11.5 mm	9 mm	11.5 mm				15 mm			18 mm			
Radiation protection:	2 mm tungsten / 8 mm lead glass													
Package														
Package dimensions:	L 130 x D 100 x H 50 mm													
Package weight	0.2 kg + weight of syringe shield													
Ref. :	00021896	00022655	00022638	00021314	00022641	00021318	00022652	00022311	00022631	00022644	00021289	00022658	00022661	00027962

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lemerpax.com

EASY**SQUEEZE**

NEW ALTERNATIVE FOR MANUAL INJECTION

Practical: colour-coded to identify the syringe capacity or the type of examination.

Safe: fully protected lead glass.

Ergonomic: good grip.

Simple: ingenious design for easy decontamination and fully removable parts.

Ecological: 100 % recyclable.

Ergonomic design for easy handling

- The syringe carrier cast in one piece from flexible resin gives users an excellent grip on the Easysqueeze and makes the product virtually unbreakable. Furthermore, the innovative locking system enables quick and flexible insertion of the syringe, whilst keeping it firmly in position, whatever the desired insertion depth.
- Easysqueeze comprises a tungsten structure to provide the operator with optimum protection.
- Its unique colour coding concept and ease of use significantly improve injection comfort and safety compared with conventional syringe shields.

Features

Easysqueeze can be completely disassembled. Its optimised design and patented system allow complete disassembly and 100 % recycling of its components. Thanks to the gluless design, all parts of the syringe shield can be changed in situ in just a few seconds (high-density bevelled glass, tungsten protection or resin envelope).

Characteristics

General	1 mL	2 mL	2.5 mL	3 mL	5 mL	10 mL
Colour:	Purple	Blue	Green	Yellow	Pink	Orange
Length (mm):	71	54	64	73	71	89
Inner diameter (mm):	9	11.5			15	18
Radiation protection:	2 mm tungsten / 8 mm lead glass					
Package						
Package dimensions:	L 130 x D 100 x H 50					
Package weight:	0.2 kg + weight of syringe shield					
Ref.:	**00008664**	**00008668**	**00007305**	**00008672**	**00008676**	**00008680**

Download the product data sheet
lemerpax.com

SC3 CARRIER

SHIELDED SYRINGE CARRIER

Characteristics

General	SC3
Overall dimensions:	L 260 x D 135 x H 130 mm
Internal dimensions:	L 210 x D 80 x H 40 mm
Radiation protection:	3 mm lead shielding over all sides
Weight:	5.4 kg.
Package	
Package dimensions:	L 320 x D 240 x H 170 mm
Package weight:	7 kg.
Ref.:	**SC3**

Download
the product data sheet
lemerpax.com

MEDI LME CARRIER

SHIELDED CARRIER FOR 1 TO 10 ML SYRINGES FOR RADIOPHARMACEUTICAL SUBSTANCES

Easy decontamination due to its stainless steel surface.

Ergonomics: cylindrical handle to hold and transport the carrier comfortably.

Safety: M-shaped removable stainless steel plate to block the syringe during transport.

Characteristics

General

Material: Stainless steel structure

Overall dimensions (total): L 252 x D 110 x H 103 mm

Total H. with handle: 160 mm

Internal dimensions: L 215 x D 58 x H 68 mm

Radiation protection: 3 mm lead + 1 mm stainless steel (inside and outside)

Weight: 3.9 kg.

Package

Package dimensions: L 320 x D 250 x H 150 mm

Package weight: 4.8 kg.

Ref.: 11043

Download
the product data sheet
medisystem.fr

EASY**BOX**

SHIELDED CARRIER FOR SYRINGES OF RADIOPHARMACEUTICAL SUBSTANCES

Robustness: shock resistance.

Ergonomics: optimised weight, swivelling handle for easy opening, lockable to prevent swinging during transport.

Easy decontamination and cleaning thanks to smooth surfaces made of strong plastic.

Characteristics

General

Radiation protection:
3 mm lead on 4 sides and
6 mm lead on the side ends

Overall dimensions:
L 255 x D 142 x H 145 mm

Internal dimensions:
L 195 x D 100 x H 40 mm

Weight: 3.3 kg.

Package

Package dimensions: L 320 x D 240 x H 170 mm

Package weight: 5 kg.

Ref.: .00013222

Download the product data sheet
lemerpax.com

COMBINED TRANSPORT TROLLEY
FOR MANUAL INJECTION

TRANSPORT TROLLEY FOR LOW & MEDIUM ENERGY CARRIER AND BIN

Easy to decontaminate: stainless steel and delrin construction.

Easy to manoeuvre: fitted with handles, small overall dimensions to cross the pass-throughs easily.

Ergonomic: 2 trays with cavities for stable positioning of accessories during transport, 1 intermediate tray with rims for the patient perfusion/ injection equipment.

Accessories

Medi Sharp

Ref. 11335

Medi carrier

Ref. 11043

Characteristics

General

Overall dimensions (total): L 600 x D 400 x H 960 mm

Trolley weight: 40 kg.

4 double casters

Total weight with accessories: 59 kg.

Package

Package dimensions: L 800 x D 500 x H 1200 mm

Package weight: 60 kg (trolley only)

Ref.: 11260

Download the product data sheet
medisystem.fr

STORAGE

MEDI**SHARP**

LOW AND MEDIUM ENERGY
1.5 L SHIELDED BIN
FOR NEEDLES

Easy decontamination thanks to design of lead covered with stainless steel.

Optimum radiation protection: pivoting cover to dispose of needles without opening the lid completely.

Practical: pivoting cover handle for easier opening and closing.

Characteristics

General

Overall dimensions: L 209 x D 220 x H 317 mm

Internal dimensions: L 164 x D 155 x H 215 mm

Radiation protection: 3 mm lead

Weight: 14.7 kg.

Package

Package dimensions: L 230 x D 250 x H 350 mm

Package weight: 21 kg.

Ref.: 11335

Download the product data sheet
medisystem.fr

EASY**DROP**

SHIELDED BIN FOR STORAGE OF RADIOACTIVE WASTE

Innovating operation: effortless opening on rail. Partial opening is possible to reduce irradiation of operators.

Easy maintenance: ABS plastic coating that is easy to decontaminate.

Optimum radiation protection: 10 mm lead

Characteristics

General	20 L	54 L	80 L
Overall dimensions:	L 417 x D 481 x H 809 mm	L 517 x D 581 x H 809 mm	L 517 x D 581 x H 979 mm
Internal dimensions:	L 200 x D 200 x H 500 mm	L 300 x D 300 x H 600 mm	L 320 x D 320 x H 790 mm
Radiation protection:	10 mm lead shielding over all sides.		
Weight:	110 kg.	175 kg.	208 kg.
Compatible with DASRI boxes	No	No	Yes
Package			
Package dimensions:	L 1 200 x D 800 x H 1 000 mm		
Package weight:	140 kg.	205 kg.	240 kg.
Ref.:	**00015828**	**00015827**	**00014963**

PRA3

SHIELDED SHARP BIN

Functional: ideal for storage of used and contaminated needles.

Optimum radiation protection: 3 mm lead protection, partial opening to limit irradiation of operators.

Easy cleaning: stainless steel coating with sealed welds to allow disinfection and decontamination by immersion.

Characteristics

General

Internal dimensions: L 197 x D 132 x H 183 mm

Radiation protection: 3 mm lead

Weight: 15 kg.

Package

Package dimensions: L 410 x D 320 x H 300 mm

Package weight: 18 kg.

Ref.: PRA3

Download the product data sheet lemerpax.com

MEDI **64**

SHIELDED BIN ON CASTERS

Compatible with DASRI boxes.

Robustness. internal walls covered with ABS plastic to limit the corrosion caused by the decontaminating products.

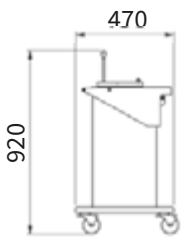
Manoeuvrability: 4 independent casters.

Ergonomics: gas spring for easy opening/closing and hold the lid open.

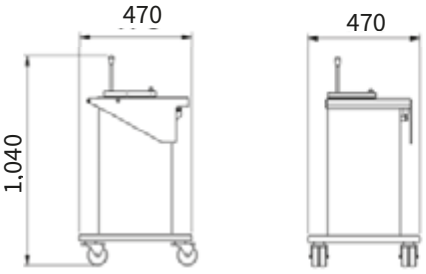
Optimum radiation protection: pivoting cover with handle to dispose of needles without opening the lid completely.

Effective dimensions (mm)

MEDI 64 20 L



MEDI 64 55 L



Characteristics

General	20L / 32L usable volume	55L / 65L usable volume
Overall dimensions:	L 430 x D 470 x H 920 mm	L 470 x D 470 x H 1040 mm
Internal dimensions:	L 250 x D 250 x H 570 mm	L 310 x D 310 x H 700 mm
Weight:	130 kg.	192 kg.
Radiation protection:	10 mm lead	
Package		
Package dimensions:	L 800 x D 800 x H 1,250 mm	
Package weight:	170 kg (20 L) and 230 kg (55 L)	
Ref.:	**11318**	**11319**

Download
the product data sheet
medisystem.fr

STORAGE DRUM

SHIELDED DRUM FOR STORAGE OF RADIOACTIVE WASTE

Easy hygiene: stainless steel inside for simpler decontamination.

Adaptable: 3 volumes proposed.

Manoeuvrability: base accessory on casters adapted to move the drum easily.

Characteristics

General	30 L	60 L	120 L
Overall dimensions:	Ø 320 x H 460 mm	Ø 370 x H 620 mm	Ø 480 x H 783 mm
Internal dimensions:	Ø 290 x H 420 mm	Ø 400 x H 570 mm	Ø 435 x H 730 mm
Weight:	22 kg.	40 kg.	66 kg.
Radiation protection:		3 mm lead	
Package			
Package dimensions:	L 500 x D 500 x H 800 mm	L 600 x D 600 x H 900 mm	L 600 x D 600 x H 1 100 mm
Package weight:	55 kg.	70 kg.	105 kg.
Ref.:	**11060**	**11050**	**11065**

Accessories

30 L drum base
Ref. 11075

60 L drum base
Ref. 11080

120 L drum base
Ref. 11085

Download the product data sheet
medisystem.fr

SHIELDED **SAFE**

FOR STORAGE OF RADIOACTIVE SOURCES

Safety: key locking.

Optimum radiation protection: lead biological protection (with different thicknesses and volumes).

Modularity: interior shelves.

Easy maintenance: coating easy to decontaminate.

Characteristics

General

Internal dimensions:	L 530 x D 544 x H 775 mm	L 530 x D 703 x H 958 mm
Volume:	200 L	400 L
Weight:	300 kg.	490 kg.
Radiation protection:	6 mm lead	
Ref.:	**02020000**	**STB**

Download the product data sheet
lemerpax.com

SHIELDED **SAFE**

FOR STORAGE OF RADIOACTIVE SOURCES

Modularity: customised manufacture upon request.

Safety: key locking.

Characteristics

General (standard model)

Overall dimensions: L 540 x D 550 x H 710 mm

Internal dimensions: L 450 x D 488 x H 584 mm

Useful volume: 130 L

Weight: 322 kg.

Radiation protection: 10 mm Pb

Ref.: 11501

Download the product data sheet
medisystem.fr

LEAD-LINED **REFRIGERATOR**

FOR STORAGE OF RADIOACTIVE SOURCES

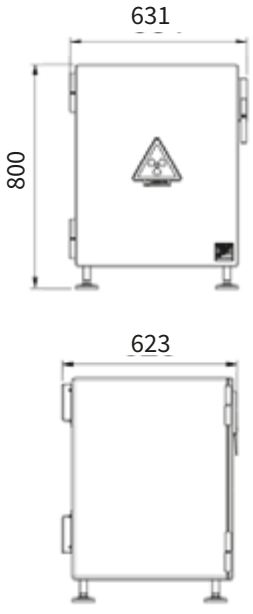
Optimum radiation protection: 6 mm lead

Medical accredited refrigerator

Modular: adjustable height.

Safe: key locking.

Effective dimensions (mm)



Characteristics

General

Overall dimensions:
L 631 x D 623 x H 800 mm

Volume: 70 L

Weight: 470 kg.

Radiation protection: 6 mm lead

Temperature range: from +2 °C to +8 °C

Ref.: STBR

Download the product data sheet
lemerpax.com

SAFETY **STORAGE**

MODULAR AND SAFE SHIELDED STORAGE UNIT

Modular: numerous configurations allowing fully customisable products.

Robustness: high-quality stainless steel.

Safety: key locking.

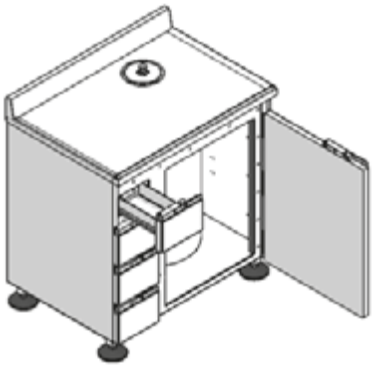
Easy maintenance: easy disinfection and decontamination through the use of stainless steel materials.

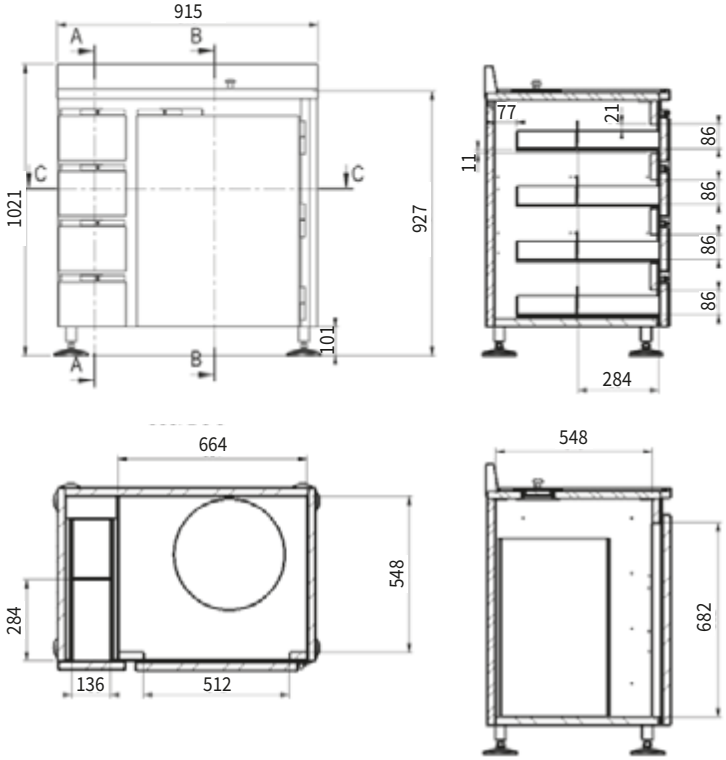
Characteristics

General	Storage/decay unit	Preparation unit	Rinsing and waste management unit	Storage/decay unit with waste bin compartment	Decay unit	Storage unit	Waste management unit
Configuration:	4 drawers 1 storage compartment with 2 shelves	2 compartments with 2 shelves each	1 compartment with 2 shelves	12 drawers	1 compartment with 2 shelves 1 bin compartment (30 L)	1 bin compartment (60 L)	1 bin compartment (60 L) 4 drawers
Overall dimensions:	L 915 x D 645 x H 1022 mm				L 763 x D 645 x H 1022 mm		
Work surface dimensions:	L 855 x D 575 mm				L 757 x D 638 mm		
Radiation protection:	available in 6 / 12 mm lead						
Package							
Package dimensions:	L 1 000 x D 750 x H 1 300 mm						
Ref.:	**00013768-6** **00013768-12**	**00027217-6** **00027217-12**	**00014571-6** **00014571-12**	**00013761-6** **00013761-12**	**00014569-6** **00014569-12**	**00014568-6** **00014568-12**	**00014567-6** **00014567-12**

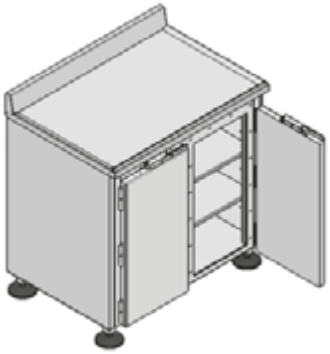
Effective dimensions (mm)

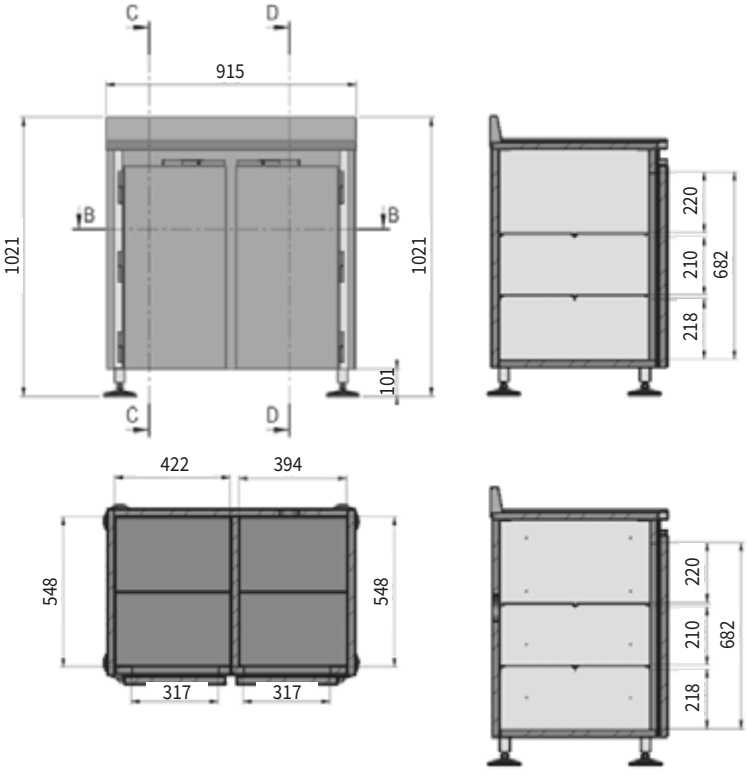
Storage/decay unit





Preparation unit



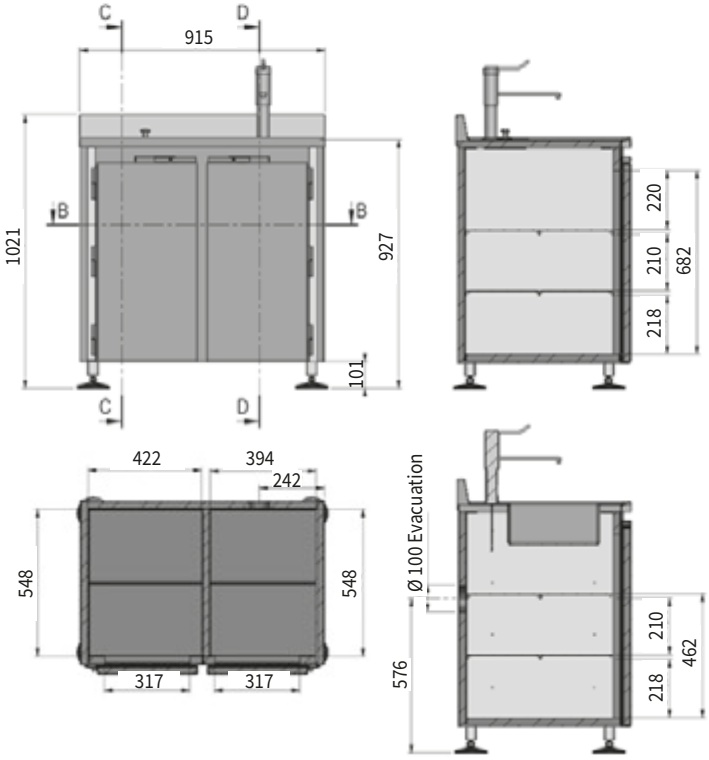


SAFETY **STORAGE**

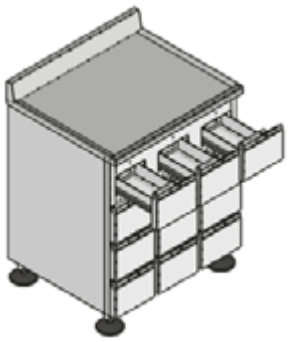
MODULAR AND SAFE
SHIELDED STORAGE UNIT

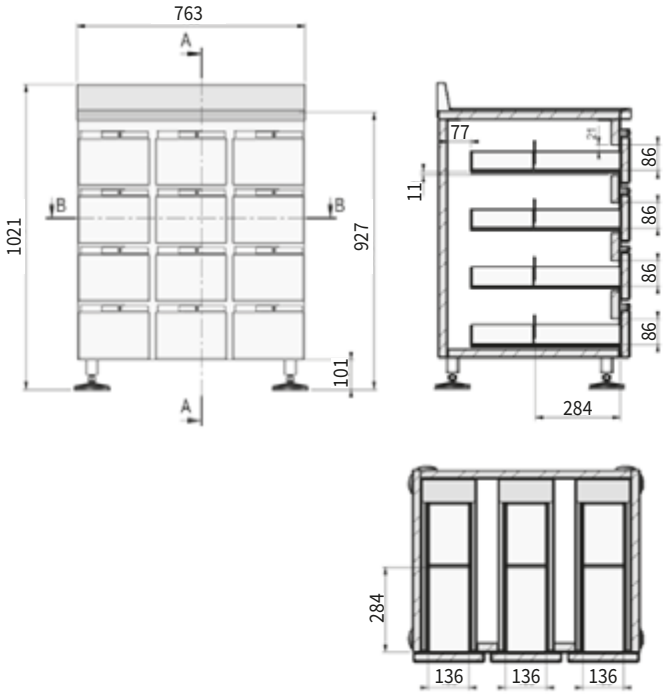
Effective dimensions (mm)

Rinsing and waste management unit

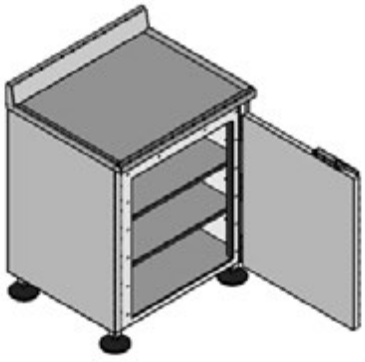


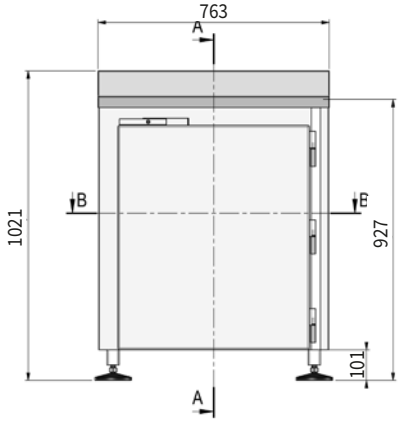
Storage/decay unit with
waste bin compartment

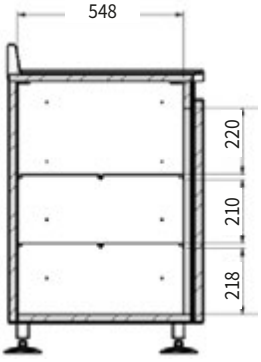


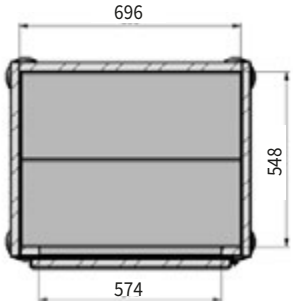


Decay unit

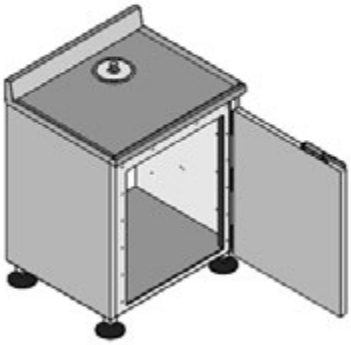


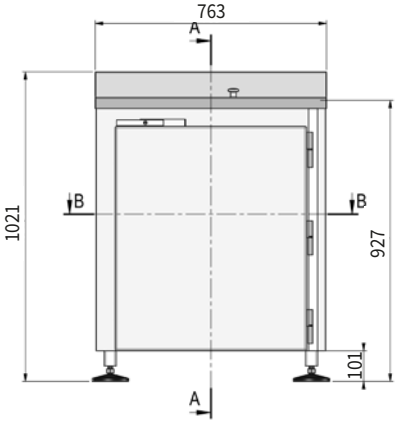


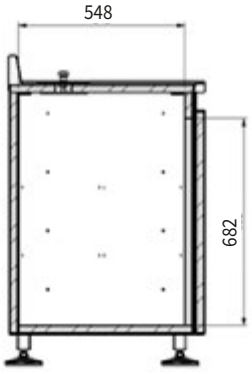


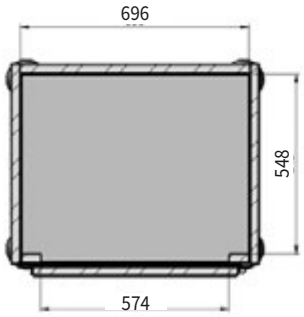


Waste management unit









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PRODUCTS+

COUNTER **WINDOW**

PASS-THROUGH FOR SAFE TRANSFER OF SOURCES FROM THE PREPARATION ROOMS TO THE RADIOPHARMACEUTICAL SUBSTANCE ADMINISTRATION ROOMS

Optimum radiation protection: lead thicknesses adapted to your requirements on each side.

Easy maintenance: surfaces and materials allowing easy cleaning and decontamination.

Total safety: mechanical or electrical door interlocking.

Characteristics

General

Overall dimensions:
L 625 x D 600 x H 750 mm

Internal dimensions:
L 515 x D 550 x H 640 mm

Radiation protection: 2 mm lead

Options

- Pressurised with filters
- Digicode
- Stainless steel 304L interior reinforcement
- Mechanical or electrical interlocking

Package

Package dimensions:
L 700 x D 650 x H 900 mm

Ref.: GTD02
Ref.: 00028929 (customised)

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the product data sheet
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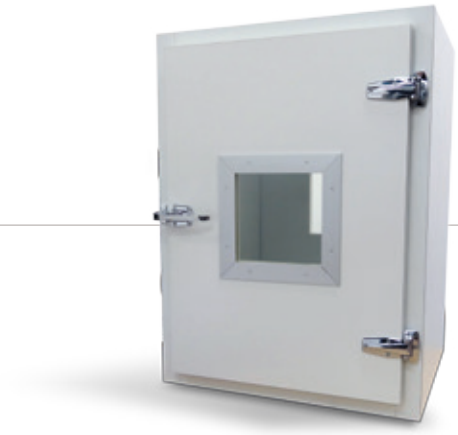
COUNTER **WINDOW WITH OCULUS**

FOR SAFE TRANSFER OF SOURCES FROM THE PREPARATION ROOMS TO THE RADIOPHARMACEUTICAL SUBSTANCE ADMINISTRATION ROOMS



Total radiation protection on each side.

Maintenance: easy cleaning and decontamination.

Safety: door interlocking.

Modular: customised lead dimensions and thicknesses upon request.

Ergonomics: interior visibility through lead glass oculus in each door.

Characteristics

General

Overall dimensions:
L 625 x D 600 x H 750 mm

Internal dimensions:
L 515 x D 550 x H 640 mm

Viewing window dimensions:
L 150 x W 150 mm
Lead glass thickness depending on shielding thickness

Radiation protection: 2 mm lead

Options

- Oculus
- Pressurised with filters
- Digicode
- Stainless steel 304L interior reinforcement
- Mechanical or electrical interlocking

Package

Package dimensions:
L 700 x D 650 x H 900 mm

Réf.: GTD02
Réf.: 00014744

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the product data sheet
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BENCH

WORK SURFACE FOR LABORATORY AND RADIOPHARMACY

Simple bench

Shielded bench

Easy hygiene: easy maintenance and decontamination thanks to smooth surfaces and choice of materials.

Robustness: mechanical and chemical resistance.

Characteristics

General	Simple bench	Shielded bench			
Standard dimensions:	L 1900 x D 650 x H 900 mm	L 1000 x D 805 x H 1494 mm	L 1500 x D 805 x H 1494 mm	L 2000 x D 805 x H 1494 mm	L 2500 x D 805 x H 1494 mm
Viewing window dimensions:	N/A	L 380 x W 381 x Th. 56 mm / Inclined at 45°			
Weight:	60 kg.	340 kg.	470 kg.	610 kg.	750 kg.
Radiation protection:	N/A	Under the work surface: 15 mm lead On the front: 30 mm lead / 56 mm lead glass			
Ref.:	**00012052**	**PBEM 1000**	**PBEM 1500**	**PBEM 2000**	**PBEM 2500**

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the product data sheet
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GAMMA **VIEW**

SHIELDED VIEWING WINDOW FOR SPECT CONTROL ROOM

Optimum radiation protection: lead glass viewing window for total visibility.

Adaptability: available in various lead equivalences.

Characteristics

General	
Radiation protection (mm lead glass)	3
Weight	150 Kg
Standard dimensions:	L 1600 x H 1100 mm
Ref.:	**00029863**

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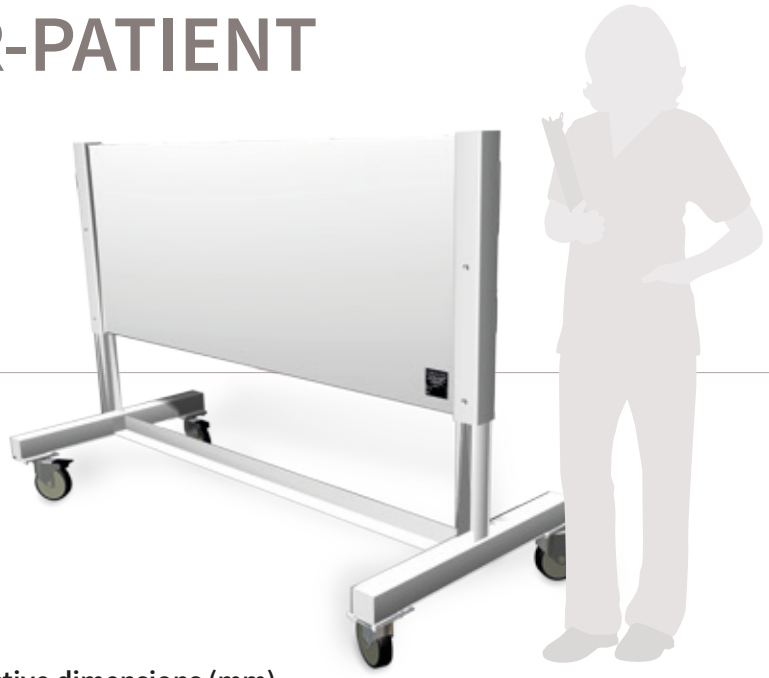
MOBILE **INTER-PATIENT** SCREEN

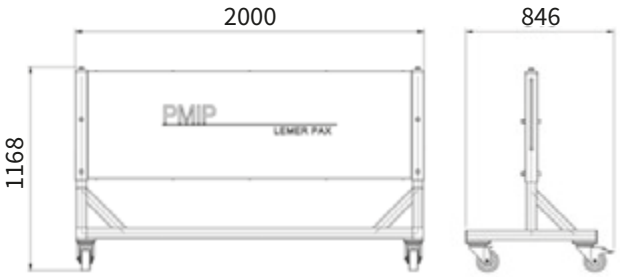
WIDE SHIELDED SCREEN ON CASTERS



Mobile and practical: partition to manage problems of small rooms and isolate a particular zone or space.

Modular: wide choice of dimensions (customised according to your requirements).

Effective dimensions (mm)



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Characteristics

General

Radiation protection:	10 mm lead			15 mm lead			20 mm lead			25 mm lead			30 mm lead		
Length:	1000 mm	1500 mm	2000 mm	1000 mm	1500 mm	2000 mm	1000 mm	1500 mm	2000 mm	1000 mm	1500 mm	2000 mm	1000 mm	1500 mm	2000 mm
Height:	1168 mm														
Depth:	846 mm														
Ref.: (... PMIP)	00029822	00029823	00029824	00029825	00029826	00029827	00029828	00029829	00029830	00029831	00029832	00029833	00029834	00029835	00029836

Option:

Ref. 00029837 - Option adjustable height for mobile inter-patient screen (from 1150 to 1350mm)
Ref. 00029838 - Option oculus for mobile inter-patient screen PMIP-10 Window 300*300mm
Ref. 00029839 - Option oculus for mobile inter-patient screen PMIP-15 Window 300*300mm
Ref. 00029840 - Option Oculus for mobile inter-patient screen PMIP-20 Window 300*300mm
Ref. 00029841 - Option Oculus for mobile inter-patient screen PMIP-25 Window 300*300mm
Ref. 00029842 - Option oculus for mobile inter-patient screen PMIP-30 Window 300*300mm

VENTING SYSTEM FOR GASEOUS OR VOLATILE RADIOACTIVE PRODUCTS

SUCTION ARM TO CAPTURE GASES AND AEROSOLS

Safety: arm equipped with extraction motor and active carbon filtration.

Efficiency: radius of action 1.50 m.

Adaptability: 2 models available, ceiling or wall.

Characteristics

Equipment:

1 wall-mounted bracket with control button

1 arm with 3 hinges to extend the hood up to the patient.

1 plexiglas suction conical nozzle

Filtration and Ventilation:

1 active carbon extraction filter (300 m^3/h)

1 extraction fan with speed control

Extraction rate: 585 m^3/h (max.)

Rotation speed: 2150 r.p.m.

Sound level: 72 dBA

Allowable temperature: 40 °C

Electrical specifications:

230 V – 4 A – 50 Hz
(use only above 40 Pa)
A power supply must be available from the point of attachment in the ceiling (female socket)

Absorbed power: 270 W

Absorbed current: 1.18 A

Dimensions:

Radius of action: 1.50 m

Tube diameter: 75 mm

Diameter of evacuation duct to be supplied: 125 mm

Utilities:

Mains connection: 230 V – 4 A – 50 Hz

Female power outlet (2 poles + earth)

Please specify if installation:
Height of false ceiling and support material (concrete, plaster, etc.)
Connection to ventilation (ceiling)

125 mm diameter, outside the scope of our supply.

Ref. 13571 – Ceiling suction arm for radioactive gas

Ref. 13572 – Wall suction arm for radioactive gas

Ref. 14150 – Active carbon extraction filter (changed during maintenance)

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RADIATION PROTECTION SOLUTIONS

HIGH ENERGY

NUCLEAR MEDICINE

MEDISYSTEM.FR

Medisystem
WE RADIOPROTECT YOU

LEMER PAX
PROTECTING LIFE

LEMERPAX.COM

US

LEMER PAX & MEDISYSTEM, THE TWO FRENCH HISTORICAL LEADERS IN RADIATION PROTECTION, UNITE AND COMBINE THEIR EXPERTISE TO SERVE YOU BETTER.

A PROXIMITY **RELATION**

Our teams pool their resources to propose an optimised network guaranteeing a proximity relation and increased reactivity to satisfy your requirements as quickly as possible.

A TEAM OF EXPERTS **AT YOUR SIDE**

Together, we rely on our synergies to develop solutions adapted to your requirements, from design to installation, as well as the training of your teams.

FOR **YOU**

1 SALES
TEAM

2 PRODUCTION
SITES

1 OPTIMISED
CUSTOMER SUPPORT SERVICE

1 EXTENDED
DESIGN OFFICE

A COMPLETE **RANGE**

By combining our expertise and our know-how, we propose the most complete solutions providing effective protection against ionising radiation, both in France and internationally.

WANT TO **KNOW MORE?**

We demand excellence to protect what's most important: life.

LEMERPAX.COM

MEDISYSTEM.FR

& YOU

LEMER PAX & MEDISYSTEM **SERVICES**

DESIGN

Shielding thickness calculations, zoning of a department, recycling solutions, our offers cover the complete spectrum of radiation protection, from standard to specific. Our teams have a thorough knowledge of the constraints of a Nuclear Medicine department and validate the radiation protection solutions adapted to your specific requirements.

INSTALLATION **& TRAINING**

Our desire for proximity relations weaves a solid fabric of trust with our customers. After delivering the product, our teams work alongside you for hands-on training and configuration in your department. We install the equipment and spend the training time necessary with your teams to support you as your practices develop.

UPGRADES

To guarantee the performance of your equipment over time, upgrades of the embedded software are installed on the connected products. They keep our products in perfect operating condition.

THEY PLACE THEIR TRUST IN US EVERY DAY

○ *Nuclear medicine and/or radiopharmacy services equipped with Lemer Pax and/or Medisystem products*

PREVENTIVE MAINTENANCE

Initiating a commercial relation with Lemer Pax and Medisystem is the assurance of guaranteed and customised maintenance by contract. This commitment is preventive and curative. It allows you to preserve the reliability of your equipment. This guarantees that you will be able to perform your job safely. In addition, it allows our technicians to perform corrective interventions by making inspections, replacements or simple checks.

RECYCLING & RELOCATION

In keeping with our commitment to sustainability and to make our contribution to the energy transition, we are partners with Recylum, an approved channel for the disposal of end of life products that are now recycled. During department redevelopment and reorganisation work or when completely relocating the laboratory, we intervene to desinstall, move then reinstall hot cells, hoods, glove boxes and tanks. At the end of life of our products, we also take care of removing and recycling obsolete equipment.

& YOU

LEMER PAX & MEDISYSTEM **GUARANTEES**

PROTECTING YOU AGAINST RADIATION, OPTIMISING THE TOOLS TO SIMPLIFY YOUR EVERYDAY ACTIONS, GUARANTEEING SAFE, HIGH QUALITY EQUIPMENT: THIS IS OUR BUSINESS.

Lemer Pax and Medisystem benefit from know-how recognised in the field of nuclear medicine and propose the innovating solutions most adapted to your requirements.

This skill offers the guaranty of reliable equipment for three major reasons: safety, quality and monitoring.

Safety

SAFETY

Safety is based above all on the reliability and robustness of our products. Our daily commitment is zero faults for optimum radiation protection. Bearing the CE mark, our equipment, certified ISO 13445 by the Laboratoire National d'Essais as regards the medical devices standards, protects the life of the patients and of the operators and guarantees total safety.

Quality

QUALITY

A successful product is a well finished product. Meticulously designed by our Design Office, with rigorously selected materials and loyal partner suppliers, the products our engineers and technicians conceive, manufacture and commercialise meet the necessarily high standards of Nuclear Medicine services. The quality of this equipment is our keyword to satisfy you bounded by an obligation of results and subjected to stringent safety radiation protection constraints.

Monitoring

MONITORING

Starting a sales relation with Lemer Pax and Medisystem is the assurance of a continuous and proximity service, from installation to user training then throughout the product lifetime. The Customer support service offers service agreements, corrective maintenance and customised advice with a unique phone number and a mobile team to ensure fast on-site service.

CONTENTS

PREPARATION

EASY**PET** CLASS A

AUTOMATIC, MULTIPURPOSE HOT CELL FOR THE PREPARATION OF HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

100 % available thanks to range of operating modes available (automatic, semi-automatic, remote manual, manual).

Optimisation: use of the entire mother solution and possibility of diluting the vial.

Reliability: 2 built-in dose calibrators for real-time measurement of the mother solution vial and the patient dose.

Interoperability: bidirectional connection with the radiopharmacy software developed by Nicesoft, Softway Medical and Thélème.

Features

Complies with good radiopharmacy preparation practices.

Compact, ergonomic work surface, designed and optimised for easy handling of radiopharmaceutical substances in automatic and manual modes, etc.

Real-time measurement of the activity in the mother solution vial and in the preparation syringe.

Adjustment of patient dose possible.

Accurate measurement since carried out without shielding.

Optimum radiation protection due to compatibility with all transport containers of the market and automatic vial transfer.

Daily quality controls simplified by the Autotest feature which automatically starts the control and drift tests for each dose calibrator. The results can then be displayed and printed.

The user-friendly and intuitive software with wide 15" touch screen helps the operator to prepare the patient dose. Context help windows are available at all times.

Remote maintenance.

Compatible with all transport containers of the market.

Consumables

Sterile syringe kit

Ref. 00008218

Sterile vial kit

Ref. 00007030

EASY**PET** CLASS A

AUTOMATIC, MULTIPURPOSE HOT CELL
FOR THE PREPARATION OF HIGH ENERGY
RADIOPHARMACEUTICAL SUBSTANCES

Component parts

1 | **External pass-through** allowing consumable items and accessories to be inserted and removed while preserving the air class on the work surface.

2 | **Mother solution compartment** equipped with an electrically-assisted raising/lowering system to load commercially available to load transport containers of the market safely

3 | **Control panel.**

4 | **Automatic device** for motorised transfer of the vial into the dose calibrator.

5 | **Shielded cartridge** for the patient syringe (compatible with Lemer Pax injection systems).

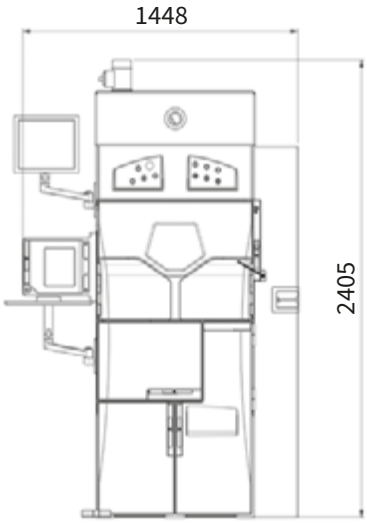
6 | **Simple and user-friendly interface** with bidirectional communication with radiopharmacy software (RIS).

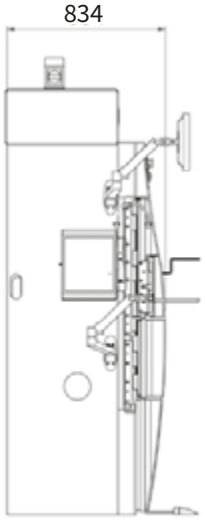
7 | **Syringe calibrator** automatically controlling the sampling pump.

8 | **Sampling pump** to transfer the radiopharmaceutical substance from the vial to the syringe, or vice versa.

9 | **Syringe filling detector**, protecting the preparation of the patient dose by generating a warning in case of malfunction and/or potential leak.

Effective dimensions (mm)





See complementary products:
Jetti®, Manujet, Manujet Shield

Download the product data sheet
lemerpax.com

Characteristics

General

Overall dimensions*:
L 1448 x D 834 x H 2405 mm

Hot cell weight (1 pass-through):
2 800 kg.

Exterior finish: ABS

Interior finish: ABS + stainless steel

Standard equipment:
- 1 pass-through
- 1 mother solution compartment
- 1 syringe cartridge compartment (cartridge included)
- 2 dose calibrator compartments (dose calibrators included)
- 2 one-bin compartments

Type of lighting: LED and UV

Brightness: > 1000 lux

Noise level: < 63 dB(A)

Shielding thickness: 40 mm (50 mm on the side with the injection system)

Work surface

Dim. : L 616 x D 578 x H 453 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Lead glass viewing window:
L 298 x W 238 x TH. 120 mm

Lateral pass-through

Overall dimensions:
L 347 x D 326 x H 305 mm

Effective dimensions of the sliding tray: L 245 x D 210 x H 155 mm

Lead glass viewing window for the pass-through: L 155 x W 195 x TH. 24 mm

Thickness of the pass-through shielding: 20 mm lead

Weight of one pass-through: 120 kg

Maximum permissible load of the sliding tray: 10 kg

Pot compartment

Effective dimensions of the compartment: L 369 x D 390 x H 410 mm

Shielding thickness: 40 mm

Type of transport pots: IBA, AAA, Posisafe®, Cyclopharma, PETNET (others upon request).

Dose calibrator compartment

Shielding thickness: 40 mm

Type of dose calibrators: Lemer Pax

Bin compartment

Shielding thickness: 40 mm

Number of bins: 2

Type of bins:
2L Opragard Col20 or APM Medical PBS24

Aeraulic

Exhaust air flow rate: 120 m^3/h

Laminar flow speed at any point on the work surface: 0.3 m/s (+/-20 %)

Work surface air quality: Class A

Negative pressure inside the hot cell:
-120 Pa (+/- 20 %)

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Pass-through and pot compartment air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption:
16 A / 2 Poles+G 50 Hz / 3A

Interior power sockets: 2 sockets (electrical, USB or RJ45 as required)

Radiation protection:

Dose rate:
< 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
F^{18}: ≤ 7.62 GBq
I^{131}: ≤ 16.62 GBq

Package

Package dimensions:
L 2200 x D 1500 x H 2500 mm

Package weight (product without options): 3200 kg

Ref.: 00015236

** The dimensions must be confirmed by a layout drawing.*

MEDI 9000 **2R HE** CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Optimised visibility no blind spots.

Working comfort: access to the entire work surface.

Reliability

Component parts

1 | **Compartment** 1 pot of FDG with lift.

2 | **Control panel** outside the hot cell (pot up/down controls, 2 power sockets, 1 USB, 1 RJ45, UV, pressure gauge, machine emergency stop bumper, etc.).

3 | **Class C lateral pass-through** with sealed inner door (2nd pass-through optional).

4 | **2 bin housings** accessible via the lower box of the hot cell.

| **Shelf on ergotron arm** in the bottom of the hot cell.

| **Sliding tray** for easy transfer of accessories on the work surface.

| **Removable stainless steel work surface** for easy cleaning.

| **Dose calibrator housing** compatible with all models on the market.

| **Options:**
Mechanical interlocking.
Spoon pneumatic raising and lowering device compatible with all dose calibrators on the market.

Features

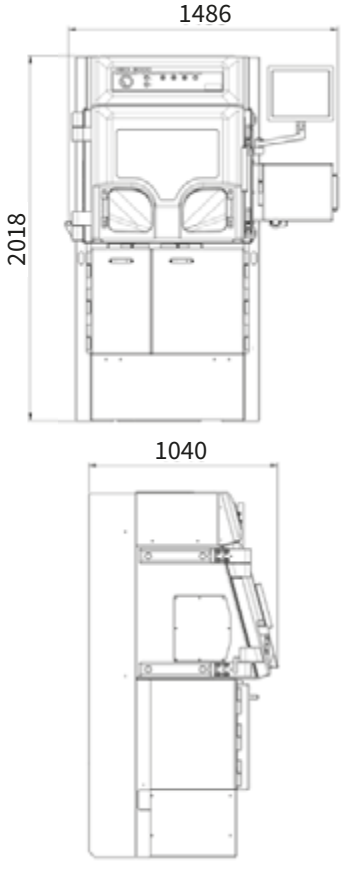
Reception of the multidose pot of FDG or other high energy radioelement.

Measurement of mother solutions.

Fractionation and measurement of patient doses.

Controlled work environment due to laminar flow.

Effective dimensions (mm)



Characteristics

General

Overall dimensions* - 1 pass-through: L 1486 x D 1040 x H 2018 mm

Hot cell weight (1 pass-through): 4 168 kg

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded pot compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 1 bin

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 67 dB(A)

Shielding: 40mm lead

Working volume

Effective dimensions: L 795 x D 534 x H 524 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1,125 mm

Lead glass viewing window: Standard window: L 583 x W 422 x TH. 130 mm

Lead equivalence of shielding: 40 mm

Pot compartment

Effective dimensions of the pot compartment: L 160 x D 250 x H 424 mm

Shielding thickness: 50 mm

Elevator: 1

Type of pots: IBA, AAA, Cyclopharma, PETNET

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment (diameter, height): Ø 220 x H 455 mm

Shielding thickness: 40 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Bin compartment

Effective dimensions of the bin compartment: Ø 150 x H 200 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -160 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 power sockets + 1 RJ 45 / USB socket

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
F^{18}: ≤ 7.62 GBq
I^{131}: ≤ 16.62 GBq

Package

Package dimensions: 2 packages:
L 1650 x D 1200 x H 2400 mm
L 1350 x D 1200 x H 1400 mm

Package weight (product without options): 2 packages: 2400 kg and 2100 kg

Ref.: 11925

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
medisystem.fr

MEDIFLASH PASS-THROUGH

MEDIFLASH SAMPLING PLC TO BE INTEGRATED IN THE PASS-THROUGH OF A MEDI 9000 PET A HOT CELL

Sampling of the FDG mother solution **in complete safety.**

Integrated dose calibrator **compatible** with the software developed by Softway Medical, Thélème and Nicesoft.

Simple and intuitive use.

Component parts

1 | **Control panel.**
2 | **Sampling remote control.**
3 | **Syringe cartridge.**
4 | **Secure access door.**
5 | **Piston for remote manual sampling.**

Consumables

Mediflash vial sterile kit - Set of 10

Ref. 20131

Syringe sterile kit - Set of 200

Ref. 20111

See complementary products:
Jetti®, Manujet, Manujet Shield

Features

Fractionation of mother solutions by the preparation PLC.

Measurement of patient doses in real time.

Characteristics

General

Overall dimensions:
L 500 x D 390 x H 400 mm

Exterior finish: Painted steel + ABS

Interior finish: Delrin

Standard equipment: 1 pass-through

Weight: 455 kg

Dose calibrator compartment

Shielding thickness: 40 mm

Type of dose calibrators: Lemer Pax

Aeraulic

Pass-through air quality: Class C

Radiation protection:

Dose rate:
< 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
F^{18} : ≤ 7.5 GBq

Package

Package dimensions:
L 700 x D 600 x H 800 mm

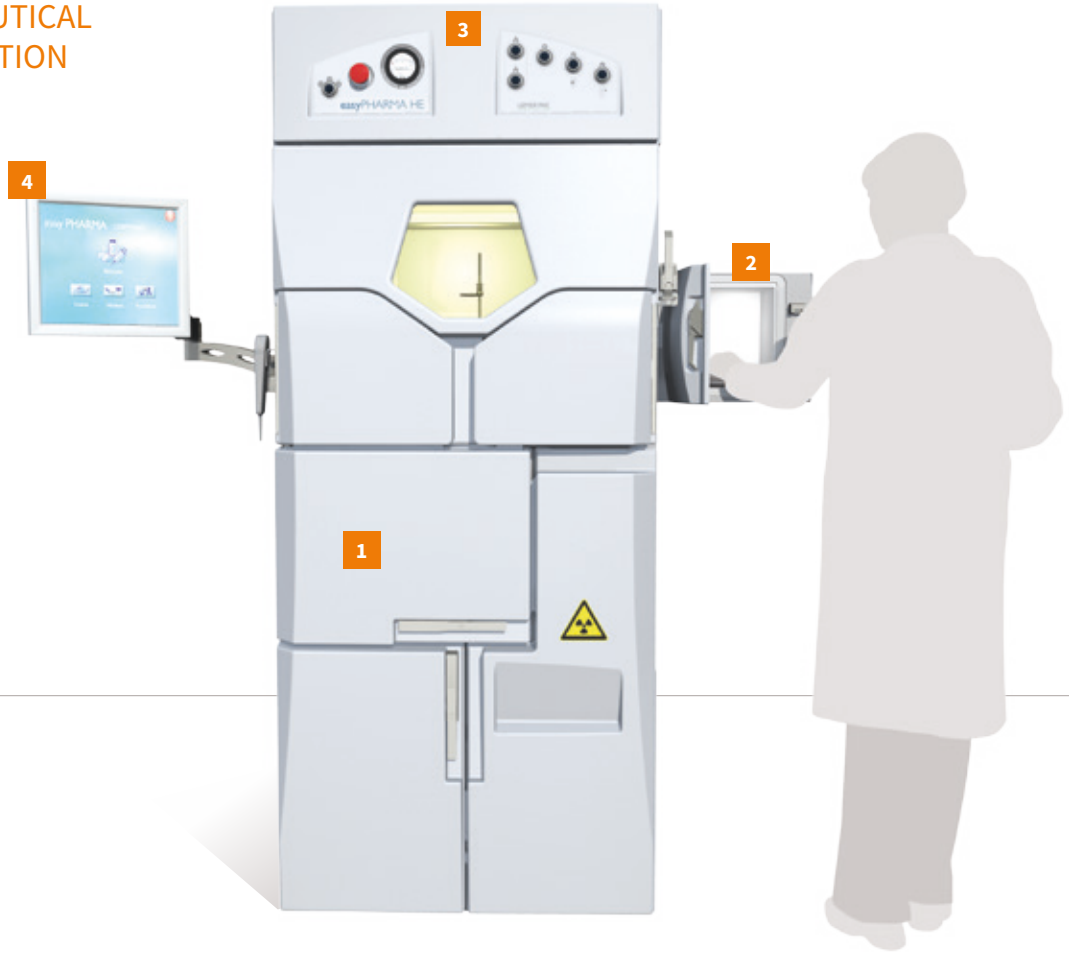
Package weight: 530 kg

Ref.: 20130

Download
the product data sheet
medisystem.fr

EASY**PHARMA HE** CLASS **A**

HIGH ENERGY RADIOPHARMACEUTICAL MANUAL PREPARATION HOT CELL



Safety: microbiological integrity of radiopharmaceuticals guaranteed.

Compactness: reduced weight and dimensions.

Ergonomics: simple and comfortable to use.

Component parts

1 | **Shielded pot compartment:** front door equipped with locking system to access the shielded pot loading drawer. Lift to place the radioactive source on the work surface.

2 | **Lateral shielded pass-through:** outer access door equipped with locking system. Sliding tray for easy transfer of accessories and consumables (max. load 15 kg). Class C pass-through.

3 | **Control panel.**

4 | **Dose calibrator control screen.**

| **Dose calibrator compartment:** compatible with Scintidose dose calibrator and Posilift system Option: compatibility with other dose calibrators upon request.

| **2 bin housings:** to sort the waste inside the work surface.

| **Ventilation:** the HEPA filtration plenum and the work surface peripheral perforations guarantee a homogeneous class A laminar flow (in compliance with standards ISO 14644), to obtain total microbiological safety of the radiopharmaceutical substance prepared.

| **2 sockets** (electrical, USB or RJ45 as required).

Features

Manual preparation, fractionation and measurement of radiopharmaceutical substances under statutory asepsis conditions.

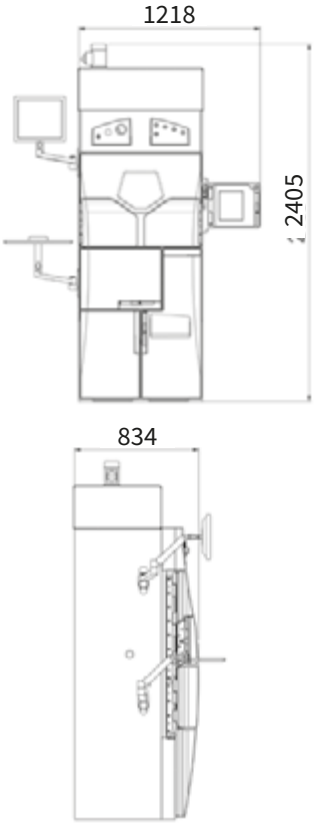
Internal organisation of the work surface allowing high modularity.

Customisable lateralisation to adapt to the department and the internal working protocols (standard from left to right, right to left upon request).

The 2 separate bin compartments allow each bin to be removed independently for better operator radiation protection. Each container is therefore closed on the work surface and the operator benefits from the 40 mm protection of the hot cell front door.

Removable stainless steel tray on the work surface for optimum disinfection and decontamination.

Effective dimensions (mm)



Characteristics

General

Overall dimensions* - 1 pass-through: L 1218 x D 834 x H 2405 mm

Hot cell weight (1 pass-through): 2 500 kg

Exterior finish: ABS

Interior finish: PVC

Standard equipment:
- 1 pass-through
- 1 shielded pot compartment with lift
- 1 shielded dose calibrator compartment
- 2 shielded one-bin compartments

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 63 dB(A)

Shielding: 40mm lead

Working volume

Effective dimensions: L 616 x D 580 x H 470 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1210 mm

Lead glass viewing window: Standard window: L 297 x W 238 x TH. 120 mm

Lead equivalence of shielding: 40 mm

Pot compartment

Effective dimensions of the pot compartment: W 145 x H 280 x D 444 mm

Thickness of the shielding 40 mm

Type of pots: IBA, AAA, PETNET, Cyclopharma, Posisafe® (others upon request)

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment: Ø 220 x H 455 mm

Thickness of the shielding: 40 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Bin compartment

Effective dimensions of the bin compartment: Ø 150 x H 225 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -180 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 sockets (electrical, USB or RJ45 as required)

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
F^{18}: ≤ 7.62 GBq
I^{131}: ≤ 16.62 GBq

Package

Package dimensions: L 2200 x D 1500 x H 2500 mm

Weight (product without options): 3200 kg

Ref. 00025491

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
lemerpax.com

MEDI 2000 **2R** CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Optimum radiation protection: dose rate on contact less than 25 µSv/h.

Robustness.

Reliability.

Ergonomics.

Compact and light.

Component parts

1 I **Dose calibrator compartment.**

2 I **Class C lateral pass-through**.

3 I **Lateral access door** for easy cleaning.

I **Compartment 1 pot of FDG** without lift.

I **2 power sockets, 1 USB/RJ 45.**

Features

Reception of the multidose pot of FDG or other high energy radioelement.

Measurement of mother solutions.

Fractionation and measurement of patient doses.

Characteristics

General

Overall dimensions* - 1 pass-through: L 1056 x D 800 x H 1612 mm

Hot cell weight (1 pass-through): 1800 kg

Exterior finish: Painted steel + ABS

Interior finish: Corian

Standard equipment:
- 1 pass-through
- 1 shielded pot compartment
- 1 shielded dose calibrator compartment

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 67 dB(A)

Shielding: 40mm lead

Working volume

Effective dimensions: L 580 x D 490 x H 520 mm

Work surface finish: Corian

Number of glove ports: 2

Glove port axis height: 1125 mm

Lead glass viewing window: 1 window - Standard window: L 525 x W 241 x TH. 88 mm

Lead equivalence of shielding: 30mm lead for 511 Kev

Pot compartment

Effective dimensions of the pot compartment: L 156 x H 237 x D 220 mm

Thickness of the shielding: 40 mm

Elevator: 1

Type of pots: IBA, AAA, Cyclopharma, PETNET

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment (diameter, height): Ø 220 x H 455 mm

Thickness of the shielding 40 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Aeraulic

Exhaust air flow rate: 50 m^3/h

Work surface air quality: Class C

Negative pressure inside the hot cell: -160 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 electrical sockets + 1 USB / RJ45

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Maximum radioactivity that can be handled:
F^{18}: ≤ 7.5 GBq
I^{131}: ≤ 16.62 GBq

Package

Package dimensions: L 1200 x D 900 x H 1950 mm

Package weight (product without options): 1950 kg

Ref.: 12085

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet medisystem.fr

L-BLOCK

PROTECTIVE SCREEN FOR THE PREPARATION AND MEASUREMENT OF HIGH ENERGY RADIOPHARMACEUTICALS

L-BLOCK **SIMPLE**

Features

Preparation, fractionation and measurement of radiopharmaceutical substances (manual or automatic depending on the model).

Modular: wide range which adapts easily in the departments.

Adjustable: adjustable screen (orientation and inclination) to suit the operator's position and height.

Easy hygiene and cleaning: smooth surfaces and leak-proof barrier offer easy disinfection and decontamination.

Characteristics

General

Overall dimensions:
L 360 x D 470 x H 650 mm

Viewing window dimensions:
L 268 x W 165 x TH. 104 mm

Weight: 213 kg

Viewing window angle:
Adjustable from 20° to 50°

Options:
- Safety Storage 25 mm lead (Ref. 00013761)
- L-Block unit not shielded

Radiation protection:

Lead: 60 mm over all sides.

Lead glass: 104 mm

Dose rate < 25 µSv/h at 5 cm from the front walls, with maximum radioactivity that can be handled:
25 GBq of F^{18} (without pot)
3.8 TBq of F^{18} (with 30 mm shielded pot)

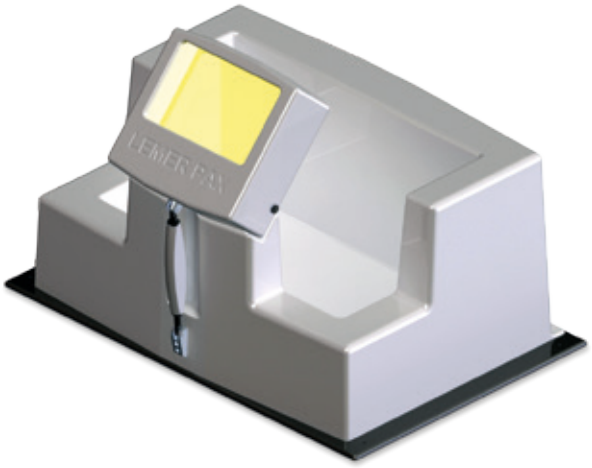
Package

Package dimensions: L 400 x D 520 x H 800 mm

Package weight: 300 kg

Ref.: 00004958

L-BLOCK **CAVE WITHOUT DOSE CALIBRATOR**



Characteristics

General

Overall dimensions:
L 850 x D 630 x H 645 mm

Viewing window dimensions:
L 268 x W 165 x TH. 104 mm

Weight: 570 kg

Viewing window angle:
Adjustable from 20° to 50°

Options:
- Dose calibrator attachment kit under work surface (including hole in the work surface, 1 attachment plate, 4 threaded rods)
- 1 lining + elongated spoon
- 1 dose calibrator shielding kit (support not supplied and installation not included)
- Safety Storage 25 mm lead (Ref. 00013761)
- L-Block unit not shielded

Radiation protection:

Lead: 60 mm over all sides.

Lead glass: 104 mm

Dose rate < 25 µSv/h at 5 cm from the front walls, with maximum radioactivity that can be handled:
25 GBq of F^{18} (without pot)
3.8 TBq of F^{18} (with 30 mm shielded pot)

Package

Package dimensions: L 1000 x D 750 x H 940 mm

Package weight: 650 kg

Ref.: 00017462

L-BLOCK **CAVE WITH DOSE CALIBRATOR**

Characteristics

General

Overall dimensions:
L 850 x D 630 x H 645 mm

Viewing window dimensions:
L 268 x W 165 x TH. 104 mm

Weight: 845 kg

Viewing window angle:
Adjustable from 20° to 50°

Standard accessories included:
- Scintidose dose calibrator (Posilift system)
- Touch screen

Options:
- Safety Storage 25 mm lead (Ref. 00013761)
- L-Block unit not shielded

Radiation protection:

Lead: 60 mm over all sides.

Lead glass: 104 mm

Dose rate < 25 µSv/h at 5 cm from the front walls, with maximum radioactivity that can be handled:
25 GBq of F^{18} (without pot)
3.8 TBq of F^{18} (with 30 mm shielded pot)

Package

Package dimensions: L 1000 x D 750 x H 940 mm

Package weight: 920 kg

Ref.: 00007292

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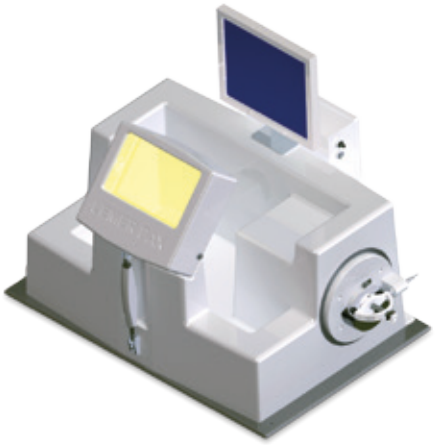
L-BLOCK
AUTOMATIC CAVE



Characteristics

General

Overall dimensions:
L 850 x D 630 x H 645 mm

Viewing window dimensions:
L 268 x W 165 x TH. 104 mm

Weight: 862 kg

Standard accessories included:
- Scintidose dose calibrator (Posiflash system)
- Touch screen
- 1 syringe cartridge
- 1 semi-shielded syringe shield
- 1 peristaltic pump
- 1 electric cabinet

Viewing window angle:
Adjustable from 20° to 50°

Associated consumables:
- Sampler kit (Ref. 00007030/LX PF001P)
- Syringe kit (Ref. 00008218/LX SK001)

Options:
- Additional shielded cartridge (Ref. 00008480)
- Additional semi-shielded syringe shield (Ref. 00024797)
- Safety Storage 25 mm lead (Ref. 00013761)
- L-Block unit not shielded

Additional products:
- Manujet (Ref. 00012253)
- Jetti® (Ref. 00008687)
- Patient sterile kit for Manujet (Ref. 00006355)
- Syringe sterile kit for Manujet (Ref. 00008218)

Radiation protection:

Lead: 60 mm over all sides.

Lead glass: 104 mm

Dose rate < 25 µSv/h at 5 cm from the front walls, with maximum radioactivity that can be handled:
25 GBq of F^{18} (without pot)
3.8 TBq of F^{18} (with 30 mm shielded pot)

Package

Package dimensions:
L 1000 x D 750 x H 940 mm

Package weight: 940 kg

Ref.: 00015937

L-BLOCK
TELE-MEASURE

L-BLOCK Tele-Measure without lateral uprights

L-BLOCK Tele-Measure with lateral uprights

Download the product data sheets
lemerpax.com

Characteristics

General

Overall dimensions:
L 850 x D 630 x H 650 mm

Viewing window dimensions:
L 268 x W 165 x TH. 104 mm

Weight:
- Basic model: 450 kg
- Model with lateral uprights: 650 kg

Standard accessories included:
- 1 U-structure without lateral uprights
- 1 manipulation ball joint on the right (Ref. RH) or on the left (Ref. LH)
- Dose calibrator attachment kit under work surface (including hole in the work surface, 1 attachment plate, 4 threaded rods)

Viewing window angle:
Adjustable from 20° to 50°

Options:
- 2nd ball joint (Ref. RLH)
- Left lateral upright (Ref. MSLW)
- Right lateral upright (Ref. MSRW)
- Scintidose dose calibrator with Posilift
- 1 lining + elongated spoon
- Special spoon motorisation: depending on dose calibrator brand
- 1 dose calibrator shielding kit (support not supplied and installation not included)
- Safety Storage 25 mm lead (Ref. 00013761)
- L-Block unit not shielded

Radiation protection:

Lead: 60 mm over all sides.

Lead glass: 104 mm

Dose rate < 25 µSv/h at 5 cm from the front walls, with maximum radioactivity that can be handled:
25 GBq of F^{18} (without pot)
3.8 TBq of F^{18} (with 30 mm shielded pot)

Package

Package dimensions: L 1000 x D 750 x H 940 mm

Package weight: 530 / 730 kg

Ref. :
Without lateral uprights: **00029819**
With lateral uprigths: **00029820**

HBI

BENCH INCLINED SHIELDED WINDOW

Comfortable viewing: bench screen with large visibility area.

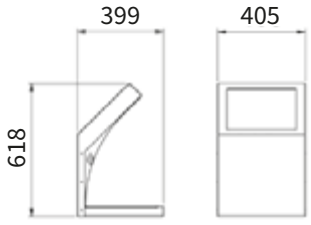
Modular: adapts to all reinforced bench types.

Easy hygiene: smooth coating for easy cleaning.

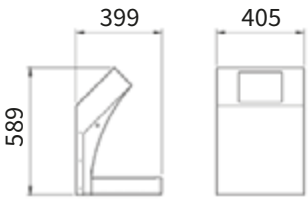
Characteristics

General	HBI 30	HBI 60
Overall dimensions:	L 405 x D 399 x H 618 mm	L 405 x D 399 x H 589 mm
Weight:	170 kg	275 kg
Radiation protection:	30 mm lead	60 mm lead
Lead glass thickness:	64 mm	104 mm
Package		
Package dimensions:	L 850 x D 650 x H 750 mm	
Package weight:	205 kg	310 kg
Ref.:	**HBI 30**	**HBI 60**

Effective dimensions (mm)



HBI 30



HBI 60

Download the product data sheet
lemerpax.com

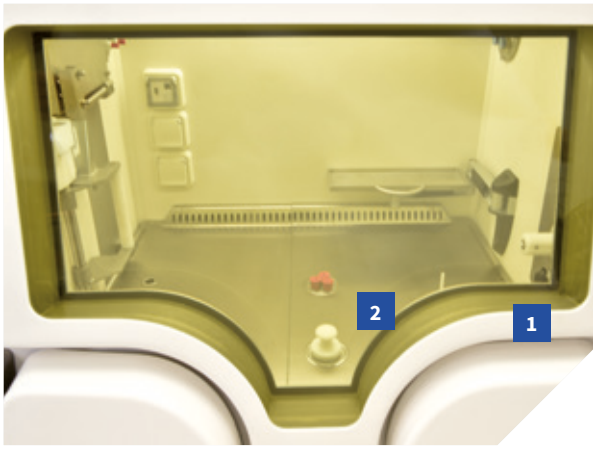
MEDI 9000 **2R RESEARCH** CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Compatibility: hot cell suitable for all synthesis modules on the market.

Scalability: possibility of adding a sampling PLC (Mediflash) and a second gallium generator.

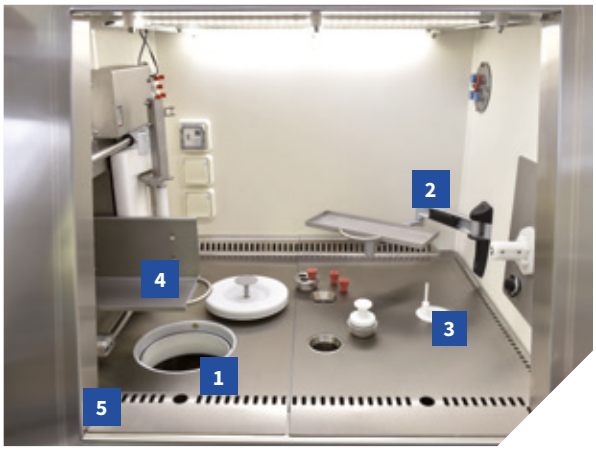
Ergonomics and versatility: a unique solution for the Ga^{68} synthesis and syringe filling steps as well as for the fractionation of fluorinated pharmaceuticals.



Interior component parts

1 I Wide viewing window.

2 I Central access to solid and liquid waste bins.



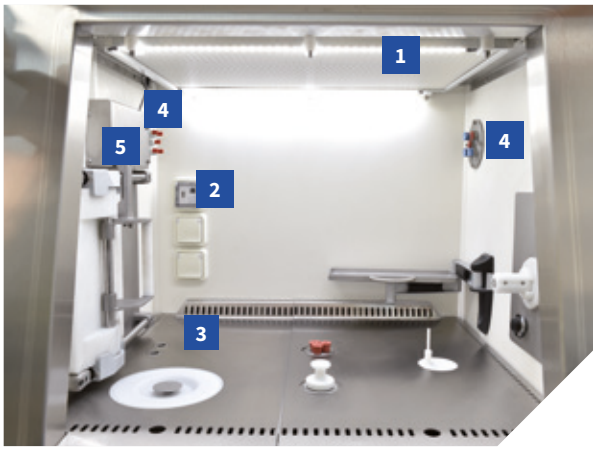
1 I FDG pot or gallium generator access (depending on chosen configuration).

2 I Ergotron arm to store accessories or consumables.

3 I Dose calibrator well with pneumatic raising of the spoon.

4 I Sliding tray to transfer equipment via the pass-through.

5 I Stainless steel work surface composed of 2 trays easy to remove and decontaminate.



1 I LED lighting.

2 I Electrical sockets, RJ45, USB.

3 I Tubes along the work surface to access the remote generator box.

4 I Glands on both sides to feed fluids.

5 I Interlocking of pass-through doors.

Download
the product data sheet
medisystem.fr

MEDI 9000 **2R RESEARCH** CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY
RADIOPHARMACEUTICAL SUBSTANCES

Component parts

- **Deeper work surface** to accommodate all the synthesis modules available on the market.

1 | **Control panel.**

2 | **Lateral pass-through.**

3 | **Mediflash sampling PLC** with integrated dose calibrator (optional).

4 | **50 mm lead remote generator box** (optional) with tubes routed through sealed chicanes.

5 | **FDG pot compartment** with lift (or gallium generator compartment depending on requested configuration).

6 | **1 shielded compartment two bins** (liquid and solid waste).

7 | **Dose calibrator housing.**

Features

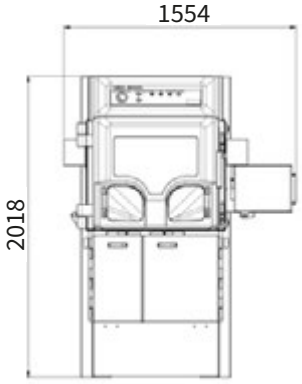
Synthesis of the radiopharmaceutical.

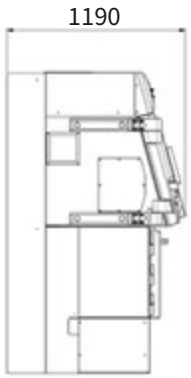
Fractionation and measurement of the patient dose.

Wide range of radiopharmaceuticals manipulated using the source lift option (backup FDG possible).

Additional lateral pass-through optional.

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 1504 x D 1190 x H 2018 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through): 4 870 kg

Shielding: 50mm lead

Working volume

Effective dimensions: L 789 x D 670 x H 564 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1125 mm

Lead glass viewing window: Standard window: L 583 x W 422 x TH. 154 mm

Lead equivalence of shielding: 50 mm

Generator / pot compartment

Effective dimensions of the generator compartment: L 160 x D 250 x H 424 mm

Thickness of the shielding: 50 mm

Type of pots: IBA, AAA, Cyclopharma, PETNET

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment: Ø 220 x H 455 mm

Shielding thickness: 50 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Bin compartment

Effective dimensions of the bin compartment: Ø 150 x H 200 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -160 Pa (+/- 20%)

Pass-through and generator/pot compartment air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 power sockets + 1 RJ 45 / USB socket

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Package

Package dimensions: 3 packages:
1x L 1250 x D 1250 x H 2400 mm
1x L 1250 x D 1250 x H 1300 mm
1x L 900 x D 800 x H 1300 mm

Package weight (product without options): 2400 kg - 1950 kg - 900 kg

Ref.: 11971

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
medisystem.fr

GALLIUM **2R** HOT CELL CLASS A

SHIELDED HOT CELL 2 GLOVE PORTS FOR SYNTHESIS OF Ga^{68} AND PREPARATION OF FDG

Modularity: work surface customised according to your requirements (positioning of dose calibrator and bins).

Compatibility: with the large synthesis modules (Iason, GE, etc.).

Optimum radiation protection: 40 mm to 60 mm shielding possible (standard thickness 50 mm).

Ergonomics:
- sliding drawer to position the synthesis module.
- plexiglass to work under cold sterile conditions.
- pot lift.
- 2nd pass-through.

Component parts

- **Shielded Ga/Ge generator compartment.**
- **Shielded dose calibrator compartment.**
- **Shielded source compartment** (FDG pot) with adaptable loading drawer (possibility of second Ga/Ge generator) - optional.
- **Shielded solid waste bin compartment.**
- **1 shielded liquid waste bin compartment.**
- **1 pass-through** (second optional).
- **3 sockets** (electrical or USB or RJ45).
- **1 control** panel.

Features

Synthesis of the radiopharmaceutical.

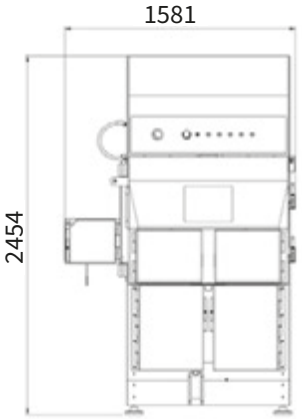
Fractionation and measurement of the patient dose.

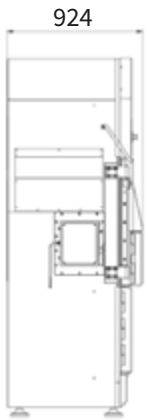
Wide range of radiopharmaceuticals manipulated using the source lift option (backup FDG possible).

Ergonomics improved by the plexiglass and sliding tray for module options.

Additional lateral pass-through optional.

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through: L 1581 x D 924 x H 2454 mm

Hot cell weight (1 pass-through): 6 000 kg

Exterior finish: Stainless steel 316 L

Interior finish: Stainless steel 316 L

Standard equipment:
- 1 pass-through
- 1 shielded Ga/Ge generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded solid waste bin compartment
- 1 shielded liquid waste bin compartment

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 63 dB(A)

Shielding: 50mm lead

Working volume

Effective dimensions: L 800 x D 572 x H 632 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 2

Glove port axis height: 1125 mm

Lead glass viewing window: Standard window: L 330 x W 250 x TH. 150 mm

Lead equivalence of shielding: 50 mm

Ga/Ge generator compartment

Effective dimensions of the Ga/Ge generator compartment: L 210 x H 168 x D 320 mm

Thickness of the shielding: 50 mm

Number of generators: 1

FDG pot compartment (optional)

Effective dimensions: L 210 x D 358 x H 240 mm

Thickness of the shielding: 50 mm

Number of pots: 1

Type of pot: IBA, AAA, Cyclopharma, PETNET, Posisafe® (others upon request)

Loading drawer adaptable to accommodate a second Ga/Ge generator

Dose calibrator compartment

Compatible with all the dose calibrators of the market. Accessible by the frontal door

Thickness of the shielding: 50 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Optional: Posilift

Aeraulic

Exhaust air flow rate: 120 m³/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -180 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 2 electrical sockets and 1 USB / RJ45

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Package

Package dimensions: L 2000 x D 1300 x H 2700 mm

Package weight (product without options): 6500 kg

Ref.: 00025535

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
lemerpax.com

GALLIUM **RESEARCH 4R HOT CELL** CLASS A

SHIELDED HOT CELL 4 GLOVE PORTS FOR THE SYNTHESIS AND PREPARATION OF HIGH ENERGY RADIOPHARMACEUTICALS

Comfort: 2 spacious independent working areas (for the synthesis, preparation and measurement of patient doses).

Modularity: work surface customised according to your requirements (positioning of bins-dose calibrator).

Optimum radiation protection: 40 to 60 mm shielding (standard version 50 mm).

Ergonomics:
- sliding drawer to position the synthesis module
- plexiglass to work under cold sterile conditions
- pot lift
- 2nd pass-through

Component parts

1 | **Synthesis side:** 1 shielded compartment for 2 Ga/Ge generators with access to the work surface via 2 Pg21 cable ports and a shielded bin compartment (HCl) with access to the work surface via a Pg21 cable port, 1 sliding tray for synthesis module with 6 cable ports (2 Pg16 + 4 Pg13,5).

2 | **Preparation side:** 1 shielded dose calibrator compartment, 1 shielded sharps bin compartment, 1 shielded FDG pot compartment with lift, 1 pass-through.

| **2 inter-cell cable ports** Pg13.5 connecting the two environments.

| **6 sockets** (electrical, USB or RJ45).

Features

Synthesis of the radiopharmaceutical.

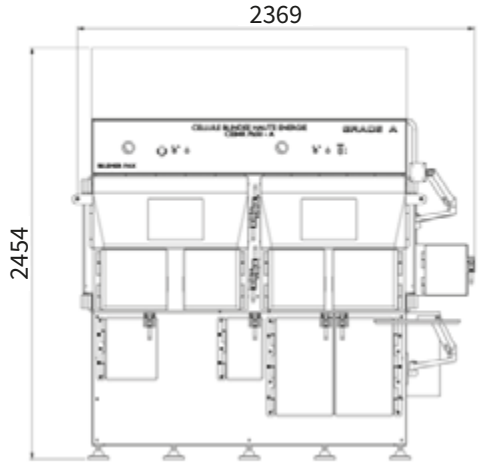
Fractionation and measurement of the patient dose.

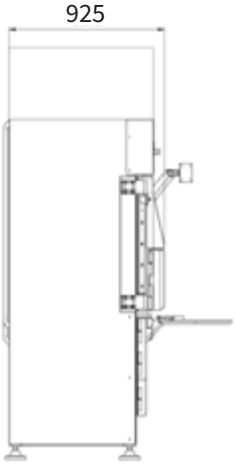
Wide range of radiopharmaceuticals manipulated using the source lift option (backup FDG possible).

Ergonomics improved by the sliding tray for module and plexiglass options.

Additional lateral pass-through optional.

Effective dimensions (mm)





Characteristics

General

Overall dimensions* - 1 pass-through:
L 2369 x D 925 x H 2454 mm

Hot cell weight (1 pass-through):
8 425 kg

Exterior finish: Painted steel RAL 9010

Interior finish: Stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded Ga/Ge generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded FDG pot compartment adaptable for second Ga/Ge generator
- 1 shielded solid waste compartment
- 1 shielded liquid waste compartment

Option: Stainless steel exterior finish

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 63 dB(A)

Shielding: 50mm lead

Working volume

Effective dimensions:
Synthesis side:
L 880/720 x D 604 x H 549 mm
Preparation side:
L 660 x D 604 x H 542 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 4

Glove port axis height: 1100 mm

Lead glass viewing window:
2 windows: L 330 x W 250 x TH. 148 mm

Thickness of the shielding 50 mm

Ga/Ge generator compartment

Effective dimensions of the Ga/Ge generator compartment:
L 190 x H 420 x D 250 mm

Thickness of the shielding 50 mm

Number of generators: 1

Type of generators:
Most generators on the market

Pot compartment

Effective dimensions:
L 210 x D 358 x H 240 mm

Thickness of the shielding 50 mm

Number of pots: 1

Type of pot: IBA, AAA, Cyclopharma, PETNET, Posisafe® (others upon request)

Dose calibrator compartment

Compatible with all the dose calibrators of the market. Accessible by the frontal door

Thickness of the shielding 50 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell:
-180 Pa (+/- 20 %)

Pass-through and generator air quality: Class C

Negative pressure inside the pass-through: -200 Pa (+/- 20 %)

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data: 16 A / 2 Poles+G 50 Hz

Interior power sockets: 4 electrical sockets and 2 USB / RJ45

Radiation protection:

Dose rate:
< 25 µSv/h at 5 cm from the walls

Package

Package dimensions:
L 3000 x D 1500 x H 2500 mm

Package weight (product without options): 9000 kg

Ref.: 00017031

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet
lemerpax.com

MEDI 9000 **4R RESEARCH** CLASS A

SHIELDED HOT CELL TO HANDLE HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Optimised visibility no blind spots.

Working comfort: access to the entire work surface and spacious independent work areas.

Reliability.

Performance: increased to accommodate a synthesis module.

Component parts

1 | **50 mm lead hot cell.**

2 | **Deeper work surface** to accommodate all the synthesis modules available on the market. Removable stainless steel work surface for easy cleaning.

3 | **FDG pot compartment** with lift (or gallium generator compartment).

4 | **Chicane sealed** by gland for the supply of medical air and the various gases on the generator side.

5 | **Independent left and right control panels** to separate the work spaces (if the sealed central partition option is chosen).

6 | **Class C lateral pass-through in class C, with sliding tray** for transfer to the work surface (second pass-through and bidirectional interlocking optional).

7 | **Option: front pass-through** with direct access to the work surface.

8 | **Storage tray on ergotron arm** in the bottom of the hot cell.

9 | **2 bin housings** accessible via the lower box of the hot cell.

10 | **Dose calibrator housing** compatible with all dose calibrators on the market.

11 | **Option: spoon pneumatic raising and lowering** (compatible with all dose calibrators on the market).

Features

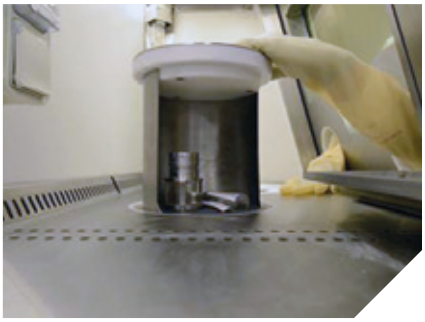
2 very spacious independent areas creating 2 separate work surfaces.

Synthesis of the radiopharmaceutical.

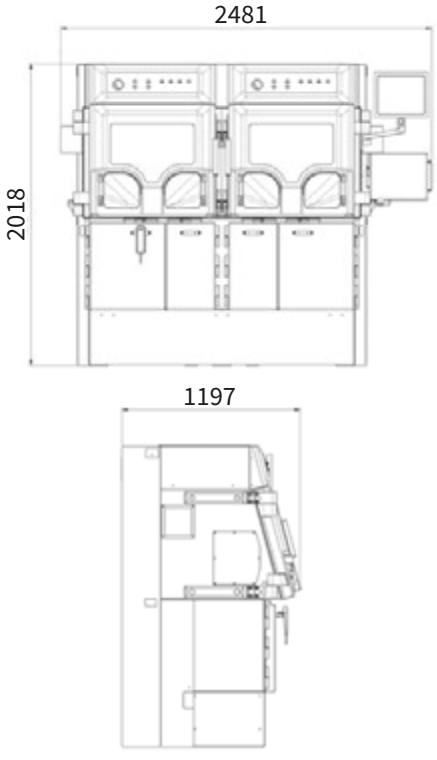
Fractionation and measurement of the patient dose.

Wide range of radiopharmaceuticals manipulated using the source lift option (backup FDG possible).

Additional lateral pass-through optional.



Effective dimensions (mm)



Characteristics

General

Overall dimensions* - 1 pass-through: L 2804 x D 1197 x H 2481 mm

Exterior finish: Painted steel + ABS

Interior finish: Corian + stainless steel

Standard equipment:
- 1 pass-through
- 1 shielded generator compartment
- 1 shielded dose calibrator compartment
- 1 shielded compartment 2 bins
- 1 FDG port compartment with lift

Type of lighting: LED

Brightness: > 1000 lux

Noise level: < 67 dB(A)

Hot cell weight (1 pass-through): 8 200 kg

Shielding: 50mm lead

Working volume

Effective dimensions: L 1612 x D 620 x H 504 mm

Work surface finish: Stainless steel 316 L

Number of glove ports: 4

Glove port axis height: 1125 mm

Lead glass viewing window (mm): 2 windows - Standard window: L 583 x W 422 x TH. 154

Lead equivalence of shielding: 50 mm

Generator / pot compartment

Effective dimensions of the generator compartment: L 160 x D 250 X H 424 mm

Thickness of the shielding 50 mm

Type of pots: IBA, AAA, Cyclopharma, PETNET

Dose calibrator compartment

Effective dimensions of the dose calibrator compartment (diameter, height): Ø 220 x H 455 mm

Shielding thickness: 50 mm

Type of dose calibrators: Lemer Pax, Medisystem, Capintec, Veenstra

Bin compartment

Effective dimensions of the bin compartment: Ø 150 x H 200 mm

Number of bins: 2

Aeraulic

Exhaust air flow rate: 120 m^3/h

Work surface air quality: Class A

Negative pressure inside the hot cell: -160 Pa (+/- 20 %)

Pass-through and generator/pot compartment air quality: Class C

Electrical

Supply voltage: 230 V

Maximum absorbed current / Electrical data / Current consumption: 16 A / 2 Poles+G 50 Hz / 3 A

Interior power sockets: 4 power sockets, 2 RJ 45 / USB sockets

Radiation protection:

Dose rate: < 25 µSv/h at 5 cm from the walls

Package

Package dimensions: 3 packages:
1x L 2200 x D 1400 x H 2400 mm
1x L 2200 x D 1200 x H 1400 mm
1x L 1200 x D 800 x H 800 mm

Package weight (product without options): 3900 kg - 4200 kg - 450 kg

Ref.: 11965

** The dimensions must be confirmed by a layout drawing.*

Download the product data sheet medisystem.fr

DOSE CALIBRATOR **SCINTIDOSE**

RANGE OF 3 DOSE CALIBRATORS FOR LOW, MEDIUM AND HIGH ACTIVITIES

Reliability: accurate measurement.

Interoperability: bidirectional connection with the radiopharmacy software developed by Nicesoft, Softway Medical, Thélème (others upon request).

User-friendly and ergonomic: simple and intuitive graphic interface, Posilift (foot-controlled spoon lift).

Regulatory conformity: CE 0459 marking, measurement system calibratable by certified body (ISO 17025).

Component parts

1 | **A highly sensitive** (I ≥ 15 fA) shielded ionisation chamber, with a removable protective lining made from radio-transparent plastic placed inside the detector protects the ionisation chamber from all forms of accidental contamination.

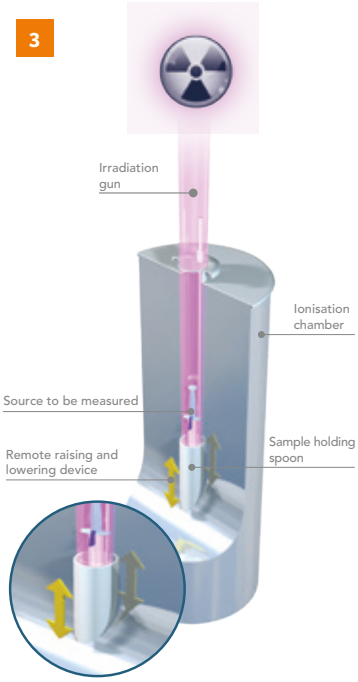
2 | **A sample holding spoon** compatible with the Posilift remote-controlled raising and lowering device.

3 | **User-friendly and ergonomic interface.** The range menus and controls as well as the display have been designed to provide visual comfort and optimum readability. The modular interface is configurable according to isotope requirements.

1

2

3



Features

Units: possibility of choosing the working units (Becquerel or Curie).

Isotopes: database with 300 references, 300 channels available.

Energy range measurable: from 30 keV to 2 MeV.

Tool features: various menus in the control panel help operators to perform their daily work (labels, subtractive measurement, decay calculation, etc.). (1)

Quality controls: inspections regulated by the French decree of 25 November 2008 and international standard IEC 61948-4 can be conducted. A program of integrated inspections is especially dedicated to the daily inspections to allow quick, assisted and safe execution by the operator. (2)

Injection and quality control reports available by printing labels and consultable on the secure web site accessible on PC and mobile devices (smartphone, tablet, etc.).

Radiation protection: the Posilift option significantly reduces irradiation at body extremities and provides true working comfort. The sample holding spoon raising and lowering device is a pneumatic system remotely controlled by a foot pedal. (3)

Customised support: remote maintenance.

Characteristics

General

Overall dimensions: Ø 200 x H 420 mm

Inner Ø: 45 mm

Weight: 25 kg.

Measurable energy range: 30 keV to 2 MeV

Measurement stability: ≥ 99 %

Measurement accuracy: ≥ 95 %

Filling gas: argon (99 %)

Operating temperature: 18 °C to 45 °C

Isosensitivity zone at 2 %: total height 80 mm

Repeatability (relative standard deviation/mean): ≤ +/-1 %

Reproducibility (relative standard deviation/mean): ≤ +/- 1 %

Counting time: 2 to 5 s

Operating system: Windows Embedded Standard 7

Radiation protection:

Shielding: 6 mm

Package

Package dimensions: L 800 x D 500 x H 700 mm

Weight: 60 kg

Ref.: microDose - 00005855
In vitro activity, cell labelling,… (from 15kBq to 100MBq -from 45kBq to 300MBq)
Scintidose - 00005398
Low and high energy nuclear medicine (from 15kBq to 37 GBq - from 45kBq to 111GBq)
cycloDose - 00005857
Radiopharmacy, Cyclotron (from 15kBq to 500GBq - from 45kBq to 11.1 TBq)

Download the product data sheet
lemerpax.com

DOSE CALIBRATOR
MEDI 405

COMPUTERISED DOSE MEASUREMENT DEVICE

Intuitive: hardware and software easy to use.

Ergonomic: possibility of using the touch screen and the mouse/keyboard. 24" screen allowing double display to view 2 applications simultaneously.

Compatibility with Softway Medical, Thélème and Nicesoft.

Reliability: long lifetime of the ionisation chamber

Component parts

1 | 1 ionisation chamber.

2 | 1 wireless mouse and keyboard for use in the hot cell.

3 | 1 management software installed with Windows 7 environment.

4 | 2 plexiglass protective linings inside the well.

5 | 2 spoons.

Management software features

Monitoring and quality control:
- Alerts for tests to be conducted,
- Result linearity test,
- Constancy control,
- Battery check.

Measurement chamber settings:
- Subtraction of background noise,
- Stability measurement,
- BIAS adjustment.

Database management:
- Isotope database,
- Patient database with appointment manager,
- "Vial" database with calculations of doses to be prepared.

Program customisation:
- 10 preprogrammed isotopes to be chosen out of 42,
- Creation of shortcuts by user-programmable reduced list,
- Choice of units,
- Frequency of quality controls,
- Various containers taken into account,
- Choice of label text.

Activity measured: 1 MBq – 200 GBq (Tc)

Printing of labels for vials

Characteristics

General

24 inch touch LCD screen

Wireless keyboard/mouse

Dim. : Ø 150 x H 450 mm

Weight: 15.5 kg

Lead protection: 3 mm

Energy: between 25 keV and 3 MeV

Measurement stability: ≥ 99 %

Measurement accuracy: ≥ 95 %

Linearity: ± 1% between 1 MBq and 200 GBq (Tc-99m)

Overall accuracy: ± 3% depending on the calibration source and geometric variations

Response time: max. 2 seconds for 95 % of the result

Computer platform

Mini-PC: Intel® Atom® 1.6 GHz processor
2 GB RAM
105 W / 100 V ~ 240 V / 50 ~ 60 Hz

Connectivity: 2 COM ports / TV-Out / 4 USB 2.0 ports / Ethernet 10/100 / VGA Out

Interface: Standard RS-232C interface

Package

Package dimensions:
L 600 x D 700 x H 800 mm

Package weight: 28 kg

Ref.: 15010

Options

Label printers

Ref. 15013

Leaded pot for molybdenum measurement

Ref. 15006

Spare parts

Protective lining

Ref. 15001

Spoon

Ref. 15002

Download the product data sheet
medisystem.fr

EXPOSURE-REDUCING COVER

5 COVER MODELS FOR FDG POT FOR SYRINGE PREPARATION

Optimum radiation protection

Robust

Simple

Features

Reduces exposure of the hands by over 90 % when sampling FDG. The exposure-reducing cover is installed in place of the manufacturer's cover. The FDG can then be drawn off in complete safety using a syringe fitted with an LP needle.

Characteristics

General

External diameter. : 96 mm
for the passage of the sharp: 5mm

Thickness of tungsten : 20mm

Weight : 2,480kg

Ref. 11408 – exposure-reducing cover (Compatible with IBA pot - new)

Ref. 11406 – exposure-reducing cover (Compatible with AAA pot)

Ref. 11407 – exposure-reducing cover (Compatible with Cyclopharma pot)

POSI**TONG**

MANIPULATION TONGS FOR VIAL

Model with handle and shield

Model with handle

Model without handle

Optimum radiation protection at extremities: improved by the different lengths proposed and the shield (optional).

Modularity: product suitable for left-handed or right-handed operators.

Characteristics

General

Dim. :	L 1248 x D 400 x H 600 mm					
Tong length:	250 mm	250 mm	350 mm	350 mm	500 mm	500 mm
Handle:	Without	With	Without	With	Without	With
Weight:	80 g	280 g	100 g	300 g	140 g	340 g

Package

Package dimensions:	L 310 x D 220 x H 150 mm	L 100 x D 300 x H 270 mm
Package weight:	1 kg	

Ref.:	**02250030**	**00004700**	**02250041**	**02019910**	**02250050**	**02019915**

PHE VIAL SHIELD

LEAD GLASS VIAL SHIELD

Optimum radiation protection: fully lead glass design for minimum operator exposure.

Comfort: content visible at 360°.

Compatibility: adapts to all types of vial (through the use of a plastic adaptor).

Characteristics

General	PHE
Overall dimensions:	Ø 86 x H 115 mm
Internal dimensions:	Ø 80 x H 62 mm
Radiation protection (mm lead):	25
Weight	2,63 kg
Package	
Package dimensions:	L 320 x P 240 x H 170 mm
Package weight:	3,5 kg
Réf. :	**02250012**

Download the product data sheet
lemerpax.com

POSI**SAFE®** PB 30 TYPE A

TYPE “A” PACKAGE INCLUDING LEAD SHIELDED CONTAINER

Overpack

Container

Optimal radiation protection thanks to 30 mm lead shielding.

Regulatory Compliance: Type “A” packages certified and tested according to Internal Atomic Energy Agency (IAEA) Regulations for all modes of transport of radioactive sources (air, sea and land).

Modularity: Overpack available in two dimensions to support package footprint requirements for transport and radiation protection (increase the distance factor to reduce dose rate).

Ergonomics: easy decontamination and easy gripping of the container.

** according to radiation protection calculation*

Download the product data sheet
lemerpax.com

Characteristics

Container	Posisafe® PB 30/220	Posisafe® PB 30/360
External dimensions :	Ø115 x H 188 mm	
Usable internal dimensions :	Ø33 x H 62 mm	
Radiation protection :	30mm lead	
Weight :	10,6Kg	
Exterior finish:	Polished stainless steel 316L	
Component parts:	Protective sponge Handle with tightening knob for gripping the entire container or just the lid	
Option :	Remote handling accessory (Ref. 00029008)	

Overpack		
Size :	220 x 220 x H 305 mm	360 x 360 x H 370 mm
Weight :	4,8Kg	5,7Kg
Component parts:	Plywood with steel reinforced corners and edges Foam to protect against shocks Secure closure / Retractable transport handle on top / Stackable	
Maximal transportable activity in the package (F^{18})*	15GBq	30GBq
Ref. package (container + overpack)	**00028672** **00027610**	**00029010** **00027610**

POSI**SAFE®** W TYPE A

TYPE “A” PACKAGE INCLUDING TUNGSTEN SHIELDED CONTAINER

Overpack

Robust and resistant.

Safe: screwed locking handle.

Compatible with Posijet®.

Characteristics

Container	Posisafe® W 20	Posisafe® W 30
Overall dimensions with handle:	Ø 98 x H 196 mm	Ø 118 x H 203 mm
Dimensions without handle:		Ø 94 x H 161 mm
Dimensions without handle and without lid:		Ø 94 x H 128 mm
Usable internal dimensions:	Ø 33 x H 66 mm	
Weight:	8 kg	14 kg
Radiation protection (mm tungsten):	20	30
Overpack		
Dimensions:	340 x 340 x H 350 mm	
Weight:	5,7kg	
Ref. package (container + overpack):	**00029873**	**00019632**
Ref. container only:	**00017444**	**00005206**

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lemerpax.com

INJECTION

POSI**JET®**

INDEPENDENT FRACTIONATION AND INJECTION UNIT FOR HIGH ENERGY RADIOPHARMACEUTICALS

Optimisation: 100 % of the mother solution is used.

Preparation accuracy (dosage by volume and activity).

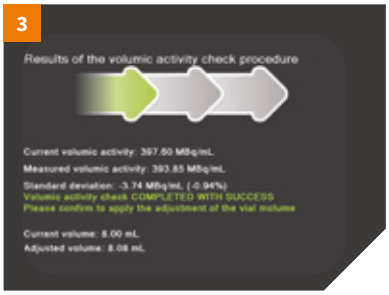
Mobility: motorised assistance.

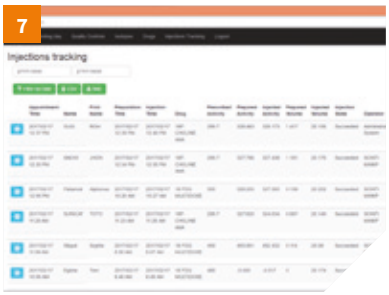
Safety: automatic mother solution volumic activity check.

8 hours' autonomy in use.

Compatibility: Ga^{68} injection.

Regulatory conformity: product marked CE Class IIb medical device by notified body (0459) and certified for paediatric use. Calibration possible by certified body (ISO 17025).





Features

Loading and planning assistant (1)

Automatic mother solution volumic activity check. (2 3)

Dilution assistant. (4)

Volumic dosage with minimum dose of about 100 µL.

Safety: maximum dose threshold, air bubble detector, injection force sensor.

Interoperability with all wifi and ethernet connected radiopharmacy software. (5)

Easy to use: consumables quick and easy to install. Intuitive, user-friendly Interface. (6)

Radiation protection: dose rate < 15 µSv/h at 5 cm from the walls (mother solution 37 GBq of FDG in its 30 mm lead shielded transport pot). Injection and rinsing operations in automatic and/or remote manual mode.
Reduction of potential distal doses, with the proposal of a wash out of the dose solution kit at the end of the cycle before unloading.

Product adaptable to department practices.

Remote maintenance.

Secure integrated web site: allows remote control and monitoring of all operations carried out with Posijet®, accessible on PC and mobile devices (smartphone, tablet, etc.). (7)

Ease of use : function “test injection site” before the administration of the radiopharmaceutical by bolus NaCl. (the volume of the bolus is ajustable)

Adaptibility : the possibility to reassign an already prepared dose.

POSI**JET®**

INDEPENDENT FRACTIONATION AND INJECTION UNIT FOR HIGH ENERGY RADIOPHARMACEUTICALS

Component parts

1 | **Dose calibrator** for real-time measurement of the radiopharmaceutical dose.

2 | **Safe automatic preparation** and manually or automatically controlled injection system.

3 | **Monitoring and control** touch screen.

4 | **Secure shielded door** containing the multidose vial in its shielded transport container.

5 | **Air bubble detector.**

6 | **Holder for saline solution** connected to the mother solution kit.

7 | **Removable tray.**

8 | **Mains sockets.**

9 | **Motorised assistance** rotating control.

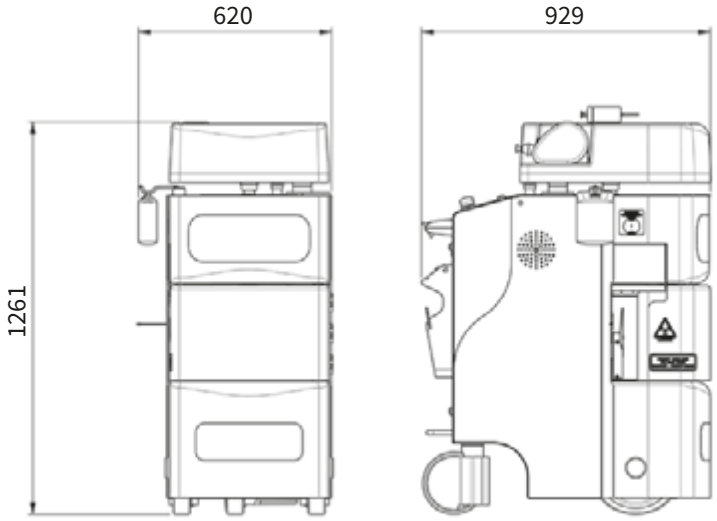
10 | **Barcode reader** for kit traceability.

11 | **Printer for configurable** injection and quality control reports.

12 | **Ethernet connection if no wifi.**

Light green | Dark green | Dark blue | Light blue | Light grey | Pink | Old pink

Effective dimensions (mm)



Consumables

Mother solution kit

Ref. POSIKIT 1B

Patient kit

Ref. POSIKIT 2

Purple Lilac Red Orange Yellow

Characteristics

General

Dim. : L 620 x D 929 x H 1261 mm

Weight: 380 kg

Syringe maximum volume: 10 mL

Dose accuracy: +/- 2 %*

Motorised assistance

Battery autonomy: 8 h

EC certification

Classification: Class II B Medical Device

Dilution of the mother solution

Use of the mother solution: 100 %

Connection to radiopharmacy software: WIFI or ethernet

Compatibility with the following software: Venus, Pharma2000, Pharma Manager, Gera, DICOM protocol IBC Pro and others upon request

Remote maintenance

Adaptable with radiopharmaceutical transport pots.

Injection: Automatic or manual

Product customisable to department practices

Certification for paediatric use

Radiation protection:

Dose rate at 5 cm from the walls:
< 15 µSv/h (mother solution 37 GBq of FDG in its 30 mm lead shielded transport pot)

< 25 µSv/h (mother solution 92 GBq of FDG in a Posisafe® 30 mm tungsten transport pot)

Package

Package dimensions (mm):
L 850 x D 1500 x H 1580 mm

Weight: 520 kg

Ref.: 00019530

** This dose accuracy is the prescribed dose accuracy*

Download the product data sheet
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JETTI®

SHIELDED SYSTEM FOR AUTOMATIC INJECTION OF HIGH ENERGY RADIOPHARMACEUTICALS

Adaptability: speed regulator in automatic mode.

Safety: pressure sensors.

Versatile operation: can be switched to manual mode.

Optimum radiation protection through the use of the lead glass screen.

Ergonomics: remote control for remote injection.

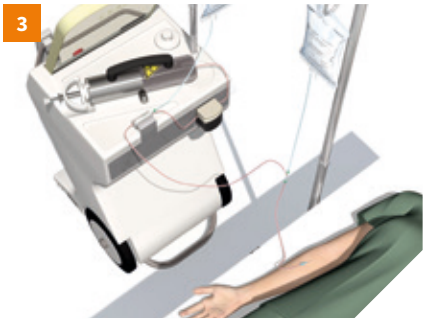
Autonomy on battery > 8 h.

Regulatory conformity: CE Marking: Class II B.

1

2

3



Features

Loading

Insertion of the sampling cartridge containing the radiopharmaceutical dose in the shielded tungsten cylinder and safety locking for transport up to the patient. (1)

Dilution of the patient dose / Injection

The process is fully controlled by the operator from the Jetti® control panel.

The dose is diluted automatically just before injection. The operator then chooses the number of rinsing cycles required (no restriction).

Air bubbles are filtered and captured instantaneously during injection by the 0.22 µm filter and the bubble trap contained in the patient kit. (2, 3)

The injection speed variator adapts to the patient's injection site (depending on the location and gauge of the catheter used).

The pressure sensors stop the injection if back-pressure is detected during injection and an audible alarm is triggered.

Switching to manual mode

A manual piston adaptable to the syringe cartridge can be used, after disconnecting the patient kit from the peristaltic pump, to perform all the movements manually (dilution, injection, rinsing).

JETTI®

SHIELDED SYSTEM
FOR AUTOMATIC INJECTION OF
HIGH ENERGY
RADIOPHARMACEUTICALS

Component parts

1 | **Lead glass screen** 10 mm lead equivalence.

2 | **Shielded mobile cart** 10 mm lead equivalence.

3 | **Shielded cylinder** 15 mm tungsten and **shielded syringe shield** 9 mm tungsten.

4 | **Shielded cartridge** containing the dose, inserted and locked in the cylinder.

5 | **Control panel and remote control** to control the various features (dilution, injection, rinsing).

6 | **Peristaltic pump for** automatic injection.

7 | **Pressure sensor** to stop the injection in case of back pressure.

8 | **Removable tray** to collect any contamination or leak when connecting/disconnecting kits.

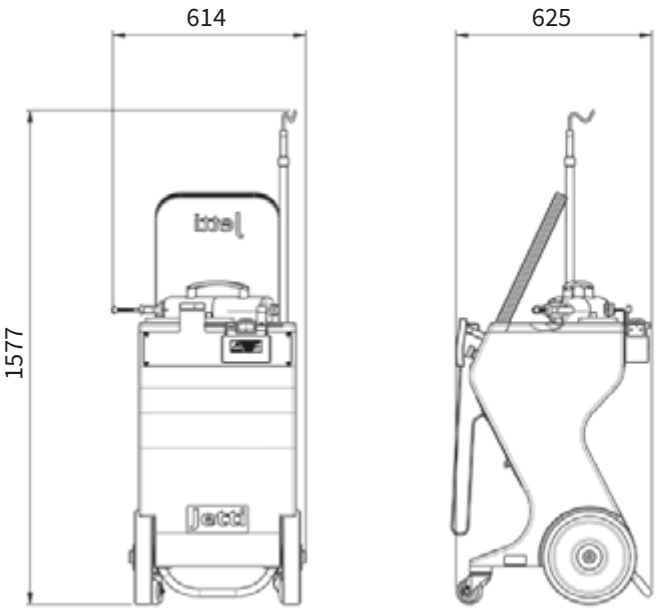
9 | **Emergency stop button** to stop the movements if necessary.

10 | **Speed variator** to manage the injection time and adapt to patient injection sites.

11 | **Swivelling wheels** for high manoeuvrability.

12 | **Operation on battery or mains.**

Effective dimensions (mm)



Characteristics

General

Overall dimensions:
L 614 x D 625 x H 1577 mm

Lead glass dimensions:
L 394 x W 440 x TH. 32 mm

Weight: 175 kg

Syringe volume: 10 mL

Autonomy: 8 h
operation on battery or
mains

Weight of cartridge (incl. syringe shield): 2 kg

Composed of stainless materials that are fully decontaminable (steel, POM, tungsten).

Radiation protection:

Cart: 10 mm lead

Cylinder: 15 mm of tungsten

Syringe shield: 9 mm tungsten

Lead glass screen: 10 mm lead equivalence

Package

Package dimensions: L 800 x D 1200 x H 1550 mm

Weight: 230 kg

Ref.: 00008687

Exists in version Jetti® Max for 50ml syringes (Ref. 00013062)

Consumables

Syringe kit
Ref. 00006355 / LX JT001P

Patient kit
Ref. 00008218 / LX SK001

Complementary equipment for the injection of doses prepared with:
Easypet, Mediflash,
Automatic L-block Cave

Download
the product data sheet
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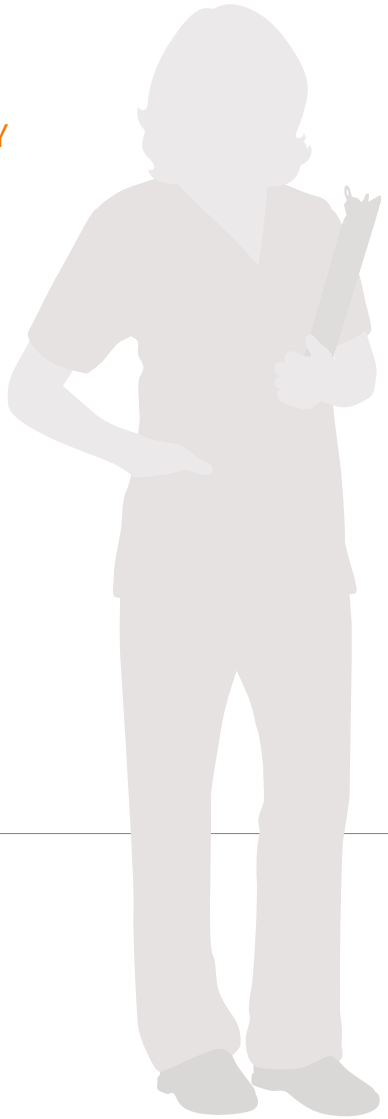
MANU**JET**

MANUAL SHIELDED INJECTOR FOR HIGH ENERGY PHARMACEUTICALS



Functional: ideal for manual injection.

Ergonomics: side handles for easy displacement.
A serum rod is supplied to allow rinsing after injection.

Easy to manoeuvre: easy to move and lightweight.

Optimum hygiene: stainless steel materials for easy daily decontamination and disinfection.

Features

The high sensitivity of the Manujet system allows total control of the injection by preserving the manual injection sensation.

Due to the special construction of the patient kit, the dose dilution, injection and rinsing steps can be carried out in complete safety without handling by the operator.
The integrity of the radiopharmaceutical substance and the capture of any air bubbles are also guaranteed.

Component parts

1 | Shielded cylinder (15 mm protection) on its mobile support.

2 | Syringe cartridge.

3 | Syringe shield (9 mm).

4 | Manual injection piston.

| Serum rod.

Characteristics

General

Overall dimensions: L 511 x D 618 x H 1553 mm

Weight: 77 kg

Syringe volume: 10 mL

Weight of cartridge (incl. syringe shield): 2 kg

Radiation protection:

Cylinder: 15 mm tungsten

Syringe shield: 9 mm tungsten

Package

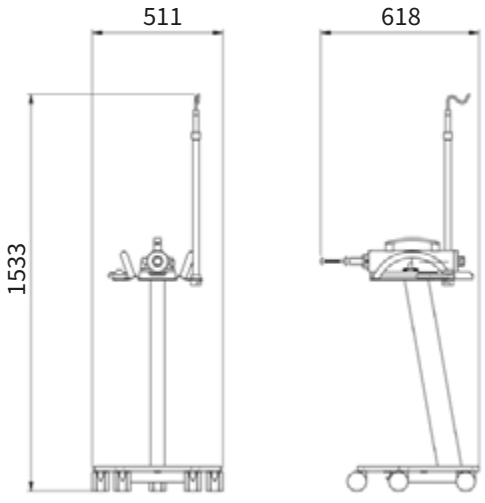
Package dimensions: L 830 x D 830 x H 1320 mm

Weight: 150 kg

Ref.: 00012253

Complementary equipment for the injection of doses prepared with:
Easypet, Mediflash, Automatic L-block Cave

Effective dimensions (mm)



Consumables

Syringe kit

Ref. 00006355 / LX JT001P

Patient kit

Ref. 00008218 / LX SK001

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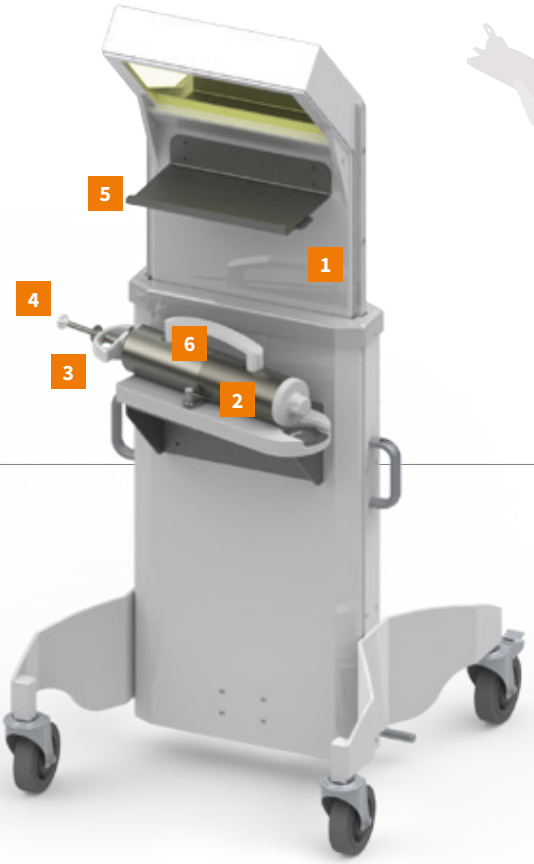
MANU**JET SHIELD**

MOBILE MANUAL INJECTION SHIELD



Optimum radiation protection: protects during injection and deperfusion of the patient.

Ergonomics: height adjusted by pedal-actuated hydraulic system, optional support shelf and lead glass inclined at 45°.

Optimum hygiene: stainless steel materials for easy daily decontamination and disinfection.

Component parts

1 | Height-adjustable shield (pedal-actuated hydraulic system) with inclined lead glass window to monitor the injection and deperfusion operations.

2 | Shielded cylinder (15 mm protection).

3 | Syringe cartridge.

4 | Manual injection piston.

5 | Optional support shelf.

6 | Syringe shield (9 mm tungsten).

Features

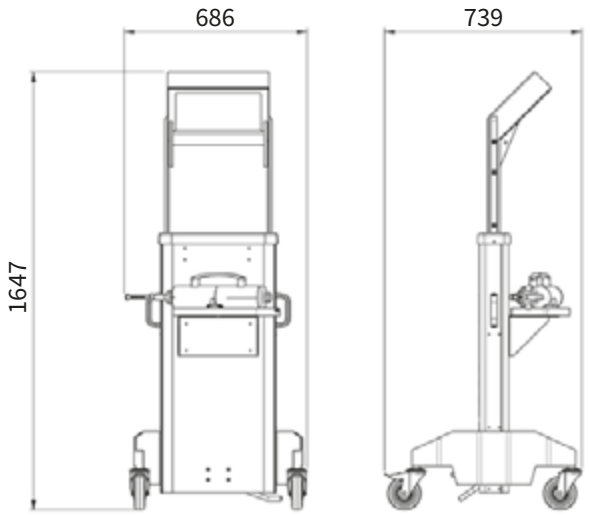
Whole body radiation protection is optimised through the use of the height-adjustable shield (30 mm lead shielding).

The operator can monitor the actions carried out near the patient through the screen fitted with a lead glass window while being perfectly protected.

The high sensitivity of the system allows total control of the injection by preserving the manual injection sensation.

Due to the special construction of the patient kit, the dose dilution, injection and rinsing steps can be carried out in complete safety without handling by the operator.
The integrity of the radiopharmaceutical substance and the capture of any air bubbles are also guaranteed.

Effective dimensions (mm)



Characteristics

General

Overall dimensions:
L 686 x D 739 x H 1447 to 1647 mm max.

Lead glass dimensions:
L 320 x W 200 x Th. 80

Weight: 215 kg

Syringe volume: 10 mL

Weight of cartridge (incl. syringe shield): 2 kg

Radiation protection:

Shield: 30 mm lead

Cylinder: 15 mm tungsten

Syringe shield: 9 mm tungsten

Package

Package dimensions: L 1025 x D 725 x H 1800 mm

Weight: 300 kg

Ref.: 00017181

Complementary equipment for the injection of doses prepared with:
Easypet, Mediflash, Automatic L-block Cave

Consumables

Syringe kit
Ref. 00006355 / LX JT001P

Patient kit
Ref. 00008218 / LX SK001

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MEDI HE CARRIER

SHIELDED CARRIER FOR 1 TO 10 ML SYRINGES FOR RADIOPHARMACEUTICAL SUBSTANCES

Easy decontamination due to its stainless steel surface.

Ergonomics: cylindrical handle to hold and transport the carrier comfortably.

Safety: M-shaped removable stainless steel plate to block the syringe during transport.

Characteristics

General

Overall dimensions:
L 270 x D 130 x H 78 mm

Total height with handle:
205 mm

Internal dimensions:
L 222 x D 58 x H 46 mm

Weight: 11.3 kg

Radiation protection:
10 mm lead + 1 mm stainless steel inside and outside

Package

Package dimensions: L 300 x D 150 x H 250 mm

Weight: 16 kg

Ref.: 11041

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EASY**BOX HE** CARRIER

SHIELDED CARRIER FOR SYRINGES OF RADIOPHARMACEUTICAL SUBSTANCES

Robustness. shockproof.

Easy hygiene: Easy decontamination and cleaning thanks to smooth surfaces made of strong plastic.

Ergonomics: optimised weight, swivelling handle for easy opening, lockable to prevent swinging during transport.

Characteristics

General

Overall dimensions:
L 255 x D 142 x H 145 mm

Internal dimensions:
L 185 x D 96 x H 40 mm

Weight: 5.7 kg

Radiation protection:
6 mm lead on 4 sides and
12 mm lead on the side ends.

100 % recyclable

Package

Package dimensions: L 320 x D 240 x H 170 mm

Weight: 7.4 kg

Ref.: 00014236

Download the product data sheet
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MEDI**CLIC HE**

RANGE OF TUNGSTEN SYRINGE SHIELDS FOR RADIOPHARMACEUTICAL SUBSTANCES

Compatibility: with all syringes on the market.

Simplicity: can be completely disassembled by the operator for decontamination or to change the glass.

Ergonomics: lead glass window with zoom effect and white lining for optimum viewing.

Rapidity: quick and easy syringe insertion/ withdrawal system (1 click).

Characteristics

General	1 mL short	1 mL long	2 mL	2 mL "BD Emerald"	2.5 mL	3 mL short	3 mL long	5 mL short	5 mL long	10 mL short	10 mL long
Size planned for the syringe	70 mm	74 mm	52 mm	49 mm	58 mm	62 mm	68 mm	59 mm	62 mm	73 mm	82 mm
Radiation protection:	5 mm tungsten / 9 mm lead glass										
Package											
Package dimensions:	L 240 x D 180 x H 50 mm										
Package weight:	0.130 kg + weight of syringe shield										
Ref.:	**11653**	**11651**	**11663**	**11666**	**11661**	**11693**	**11691**	**11673**	**11671**	**11683**	**11681**

Consumables

Mediclic tungsten glass TEP 1 mL short and long
Ref. 11652

Mediclic tungsten glass TEP 2 mL and 2 mL "BD Emerald"
Ref. 11664

Mediclic tungsten glass TEP 2.5 mL
Ref. 11662

Mediclic tungsten glass TEP 3 mL short
Ref. 11694

Mediclic tungsten glass TEP 3 mL long
Ref. 11692

Mediclic tungsten glass TEP 5 mL short and long
Ref. 11672

Mediclic tungsten glass TEP 10 mL short
Ref. 11684

Mediclic tungsten glass TC 10 mL long
Ref. 11682

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medisystem.fr

EASY**VIEW HE**

COMPLETE RANGE OF ERGONOMIC TUNGSTEN SYRINGE SHIELDS

Compatibility: range compatible with all syringes on the market.

Ergonomics: easy gripping.

Easy maintenance: quick and easy glass changing by removing a single screw.

Characteristics

General	1 mL			2 mL		2.5 mL	3 mL	5 mL			10 mL			
Length:	70 mm	75 mm	76 mm	50 mm	53 mm	59 mm	69 mm	57 mm	61 mm	64 mm	73 mm	75 mm	83 mm	85 mm
Inner dia.:	9 mm	11.5 mm	9 mm	11.5 mm				15 mm			18 mm			
Radiation protection:	2 mm tungsten / 8 mm lead glass													
Package														
Package dimensions:	L 130 x D 100 x H 50 mm													
Package weight	0.2 kg + weight of syringe shield													
Ref. :	00024946	00024953	00024947	00024948	00024949	00024950	00024952	00024954	00024951	00024955	00024956	00024957	00024958	00028075

Download the product data sheet
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TROLLEY FOR **HE SYRINGE**

TRANSPORT TROLLEY FOR RADIATION-PROTECTED SYRINGE

Easy hygiene thanks to stainless steel surfaces.

Ergonomics: shelf.

Compactness: small footprint.

4 pairs of casters for **high manoeuvrability and stability.**

Characteristics

General

Overall dimensions: L 293 x D 450 x H 915 mm

Weight: 62 kg

Radiation protection: 30 mm lead covered with stainless steel

Package

Package dimensions: L 400 x D 600 x H 1100 mm

Weight: 89 kg

Ref.: 11282

Download the product data sheet
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MANU**BOX**

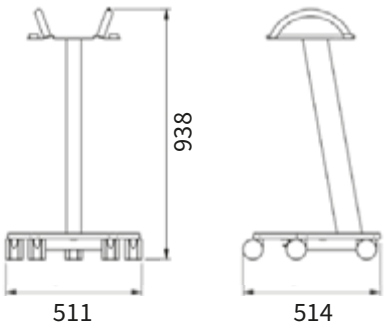
MOBILE TROLLEY FOR CARRIER CASE

Mobility: no more need to carry heavy loads.

Ergonomics: side handles to guide the displacement.

Hygiene: designed for easy cleaning.

Effective dimensions (mm)



Characteristics

General

Overall dimensions: L 511 x D 514 x H 938 mm

Tray dimensions: L 329 x D 140 mm

Weight: 57 kg

Package

Package dimensions: L 800 x D 800 x H 1500 mm

Weight: 60 kg

Ref.: 00018372

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COMBINED TRANSPORT TROLLEY **FOR MANUAL INJECTION**

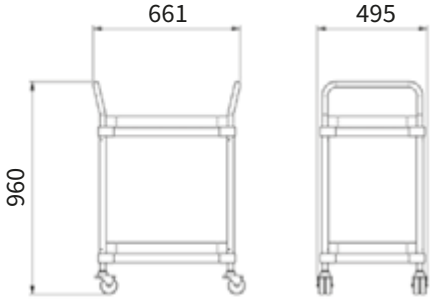
TRANSPORT TROLLEY FOR HIGH ENERGY CARRIER AND BIN

Easy to decontaminate: stainless steel and delrin construction.

Easy to manoeuvre: fitted with handles, small overall dimensions to cross the pass-throughs easily.

Ergonomic: 2 trays with cavities for stable positioning of accessories during transport, 1 intermediate tray with rims for the patient perfusion/injection equipment.

Effective dimensions (mm)



Characteristics

General

Overall dimensions: L 661 x D 495 x H 960 mm

Weight: 40 kg (excluding bin and carrier case)

4 double casters

Total weight with HE carrier case and bin: 100 kg

Package

Package dimensions: L 800 x D 600 x H 1100 mm

Weight: 70 kg

Ref.: 11261

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medisystem.fr

CHT TROLLEY

SHIELDED TRANSPORT TROLLEY FOR HIGH ENERGY RADIOPHARMACEUTICAL SUBSTANCES

Mobile

Safe: sliding cover with locking system.

Characteristics

General

Overall dimensions:
L 680 x D 500 x H 970 mm

Internal dimensions:
D 135 x H 150 mm

Height of work surface: 900 mm

Weight: 113 kg

Radiation protection:

Shielding: 30 mm lead

Package

Package dimensions: L 1200 x D 800 x H 1400 mm

Weight: 170 kg

Ref.: CHT

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ALARA
INJECTION SHIELD

PROTECTION SHIELD FOR PET ACTIVITY

Optimised radiation protection

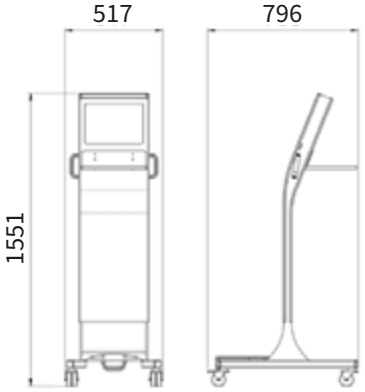
Maximum visibility: maximum dimensions of the lead glass.

Optimum manoeuvrability: light weight, handles and casters to slide under the beds easily.

Ergonomics: shape adapted to the maximum number of users (adjustable shelf height, 3 different positions).

Option: retractable step.

Effective dimensions (mm)



Characteristics

General

Overall dimensions: L 517 x D 796 X H 1551 mm

Wheel clearance under trolley: 136 mm

Handle height: 1164 mm

Viewing window dimensions: L 310 x H 227 mm

Radiation protection: 20 mm lead equivalent

Accessories included:
- Syringe shelf (3 heights: 1163 mm, 1133 mm, 1103 mm)
- Shelf dimensions: L 345 X l 271 mm
- 4 casters of diameter 75 mm, 2 with brakes

Weight: 169 kg

Package

Package dimensions: L 1000 x D 800 x H 1800 mm

Weight: 220 kg

Ref.: 11214

Download the product data sheet
medisystem.fr

BPP30 HV
SHIELD

HEIGHT-ADJUSTABLE MOBILE PROTECTION SHIELD

Ergonomics: height adjusted by pedal-actuated hydraulic system.

Optimum whole body radiation protection: by adjusting the height.

Adaptability: optional support shelf.

Optimum viewing: high-density lead glass window inclined at 45°.

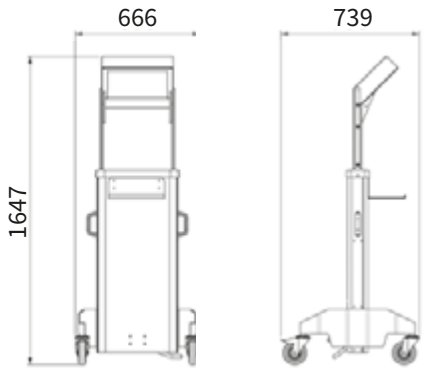
BPP30 MRI : Non-magnetic system suitable for MRI PET.

Characteristics

General	BPP30 HV	BPP30 MRI
Overall dimensions:	L 666 x D 739 x H 1447/1647 mm	L 580 x D 620 x H 1480 mm
Height when inclined:	From 1230 to 1430 mm	1230 mm
Viewing window dimensions:	L 320 x H 200 x Th. 80 mm	
Window inclination:	45°	
Weight:	255 kg	195 kg
Radiation protection:	30 mm lead / 80 mm lead glass	
Package		
Package dimensions:	L 1025 x D 725 x H 1800 mm	
Package weight:	310 kg	250 kg
Ref.:	**BPP30 HV**	**00016732**

Effective dimensions (mm)

BPP30 HV



Download the product data sheet
lemerpax.com

STORAGE

MEDI **64 HE**

SHIELDED BIN ON CASTERS

Compatible with DASRI boxes.

Robustness. internal walls covered with ABS plastic to limit the corrosion caused by the decontaminating products.

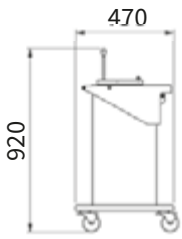
Manoeuvrability: 4 independent casters.

Ergonomics: gas spring for easy opening/closing and hold the lid open.

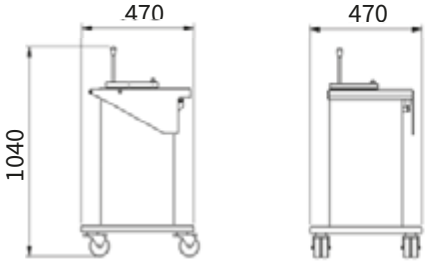
Optimum radiation protection: pivoting cover with handle to to dispose of needles without opening the lid completely.

Effective dimensions (mm)

MEDI 64 PET 20 L



MEDI 64 PET 55 L



Characteristics

General	20L (usable volume : 32L)	55L (usable volume : 65L)
Overall dimensions:	L 430 x D 470 x H 920 mm	L 470 x D 470 x H 1040 mm
Internal dimensions:	L 250 x D 250 x H 570 mm	L 310 x D 310 x H 700 mm
Weight:	192 kg	290 kg
Radiation protection:	16 mm lead shielding over all sides.	
Package		
Package dimensions:	L 800 x D 800 x H 1250 mm	
Package weight:	220 kg (20 L) and 330 kg (55 L)	
Ref.:	**11322**	**11323**

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EASY**DROP HE**

SHIELDED BIN FOR STORAGE OF RADIOACTIVE WASTE

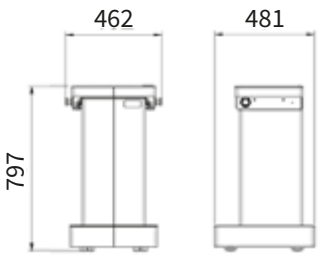
Innovating operation: effortless opening on rail. Partial opening is possible to reduce irradiation of operators.

Easy maintenance: ABS plastic coating that is easy to decontaminate.

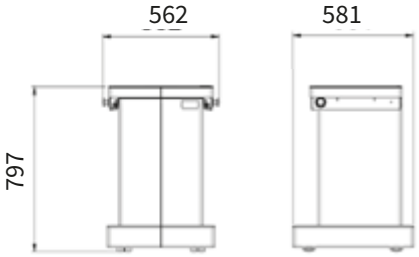
Optimum radiation protection: 20 mm lead

Effective dimensions (mm)

EASYDROP HE 20 L



EASYDROP HE 54 L



Characteristics

General	20 L	54 L
Overall dimensions:	L 462x D 481 x H 797 mm	L 562 x D 581 x H 797 mm
Internal dimensions:	L 200 x D 200 x H 500 mm	L 300 x D 300 x H 600 mm
Weight:	180 kg	296 kg
Radiation protection:	20 mm lead	
Package		
Package dimensions:	L 1200 x D 800 x H 1000 mm	L 1200 x D 800 x H 1000 mm
Package weight:	210 kg	330 kg
Ref.:	**00015829**	**00015830**

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MEDISHARP **BIN**

HIGH ENERGY 1.5 L SHIELDED SHARPS BIN

Easy hygiene: easy decontamination thanks to stainless steel surfaces

Ergonomics: pivoting cover to dispose of needles without opening the lid completely.

Simplicity: Pivoting cover handle for easier opening and closing.

Gas spring for easy opening/closing of the lid.

Characteristics

General

Overall dimensions:
L 240 x D 235 x H 350 mm

Internal dimensions:
L 164 x D 155 x H 215 mm

Radiation protection:
16 mm lead

Weight: 40 kg

Package

Package dimensions:
L 300 x D 400 x H 500 mm

Package weight: 58 kg

Ref.: 11336

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PRA10 SHARP **BIN**

SHIELDED BENCH BIN

Functional: ideal for storage of used and contaminated needles.

Optimum radiation protection: 10 mm lead protection, partial opening to limit irradiation of operators.

Easy cleaning: stainless steel coating with sealed welds to allow disinfection and decontamination by immersion.

Characteristics

General

Overall dimensions: L 297 x D 200 x H 283 mm

Internal dimensions: L 197 x D 132 x H 183 mm

Weight: 29 kg

Radiation protection: 10 mm lead

Package

Package dimensions: L 410 x D 320 x H 300 mm

Weight: 32 kg

Ref.: PRA10

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SHIELDED SAFE

STORAGE CABINET FOR RADIOACTIVE SOURCES

Safety: key locking.

Optimum radiation protection: lead biological protection (with different thicknesses and volumes).

Modularity: interior shelves.

Easy maintenance: coating easy to decontaminate.

Other dimensions and lead thicknesses on request.

Characteristics

General

Radiation protection:	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm	40 mm	50 mm
Volume:	8 L	27 L	36 L	45 L	96 L	125 L	180 L	125 L
Internal dimensions:	L 200 x D 200 x H 200 mm	L 300 x D 300 x H 300 mm	L 300 x D 300 x H 400 mm	L 300 x D 300 x H 500 mm	L 400 x D 400 x H 600 mm	L 500 x D 500 x H 500 mm	L 600 x D 500 x H 600 mm	L 500 x D 500 x H 500 mm
Weight:	210 kg	395 kg	470 kg	550 kg	850 kg	990 kg	1245 kg	1285 kg
Ref.:	**SS40-8**	**SS40-27**	**SS40-36**	**SS40-45**	**SS40-96**	**SS40-125**	**SS40-180**	**SS50-125**

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SAFETY **STORAGE**

MODULAR AND SAFE SHIELDED STORAGE UNIT

Modular: numerous possible configurations to adapt to specific needs.

Robust: high-quality stainless steel.

Safe: key locking.

Easy maintenance: easy disinfection and decontamination through the use of stainless steel materials.

Characteristics

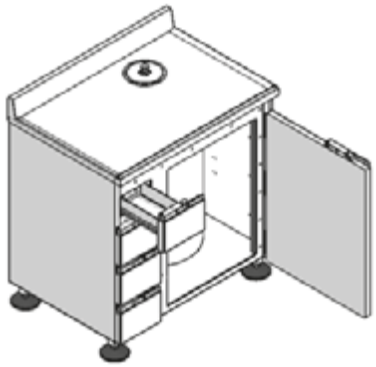
General	Storage/decay unit	Preparation unit	Rinsing and waste management unit	Storage/decay unit with waste bin compartment	Decay unit	Storage unit	Waste management unit
Configuration:	4 drawers 1 storage compartment with 2 shelves	2 compartments with 2 shelves each	1 compartment with 2 shelves	12 drawers	1 compartment with 2 shelves 1 bin compartment (30 L)	1 bin compartment (60 L)	1 bin compartment (60 L) 4 drawers
Overall dimensions:	L 915 x D 645 x H 1022 mm				L 763 x D 645 x H 1022 mm		
Work surface dimensions:	L 855 x Ø 575 mm				L 757 x D 638 mm		
Radiation protection:	25 mm lead						
Package							
Package dimensions:	L 1000 x D 750 x H 1300						
Ref.:	**00013761-25**	**00027217-25**	**00014571-25**	**00013768-25**	**00014569-25**	**00014568-25**	**00014567-25**

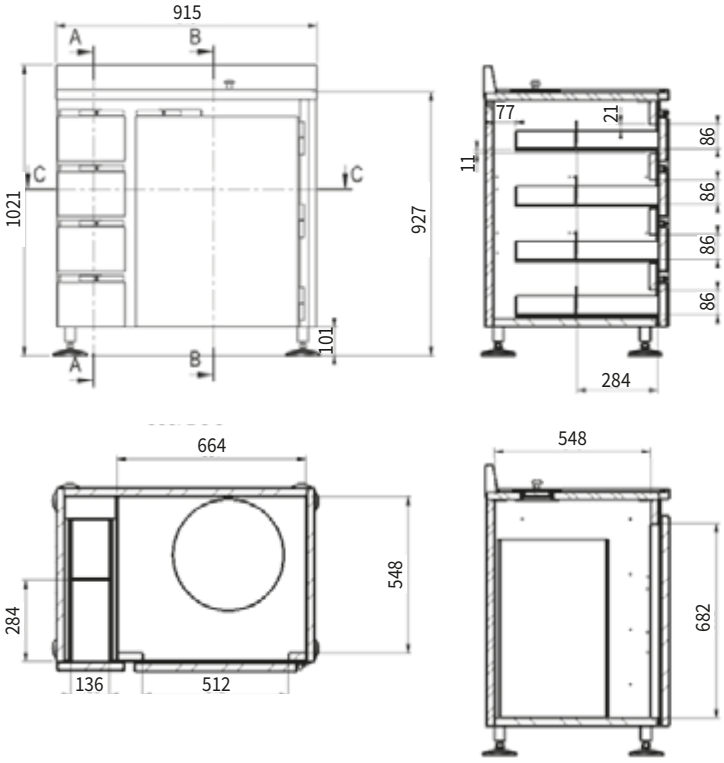
SAFETY **STORAGE**

MODULAR AND SAFE
SHIELDED STORAGE UNIT

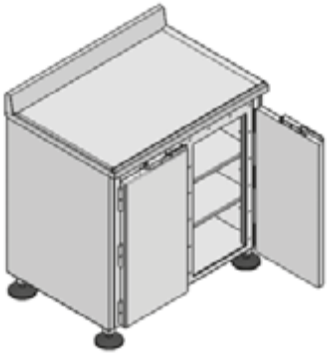
Effective dimensions (mm)

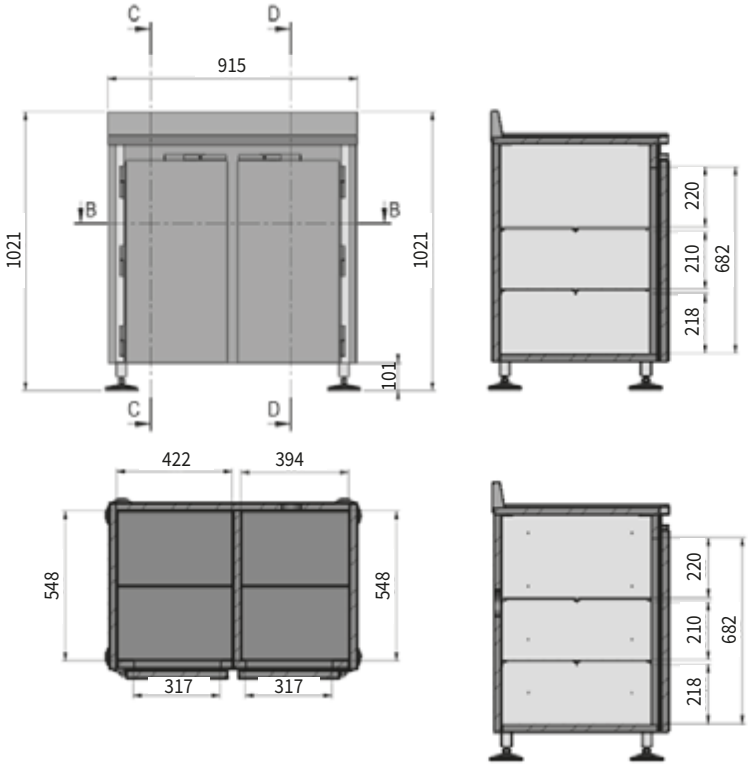
Storage/decay unit



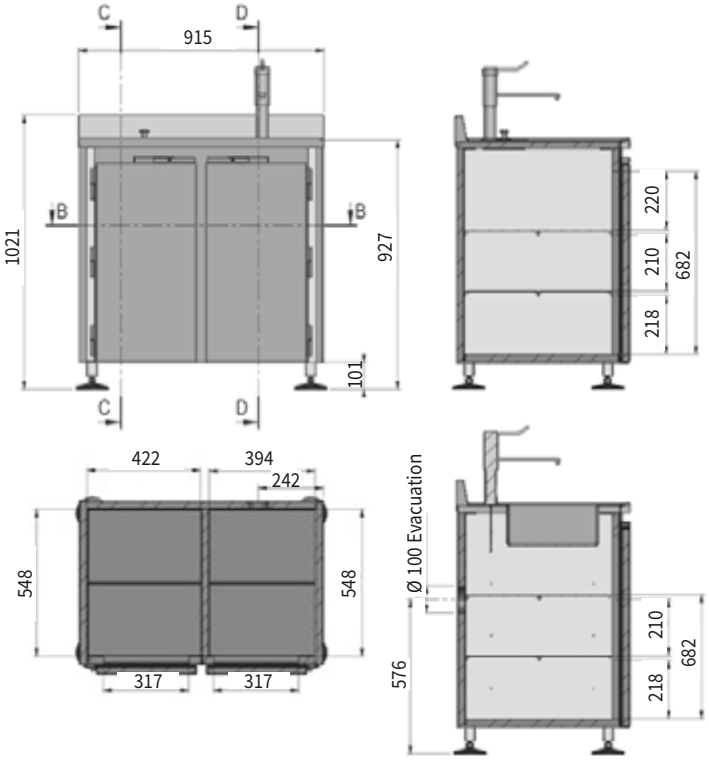


Preparation unit

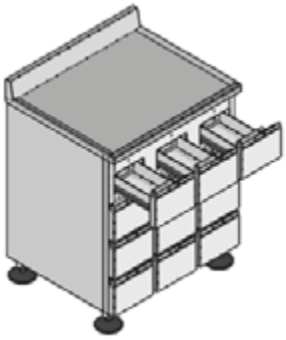


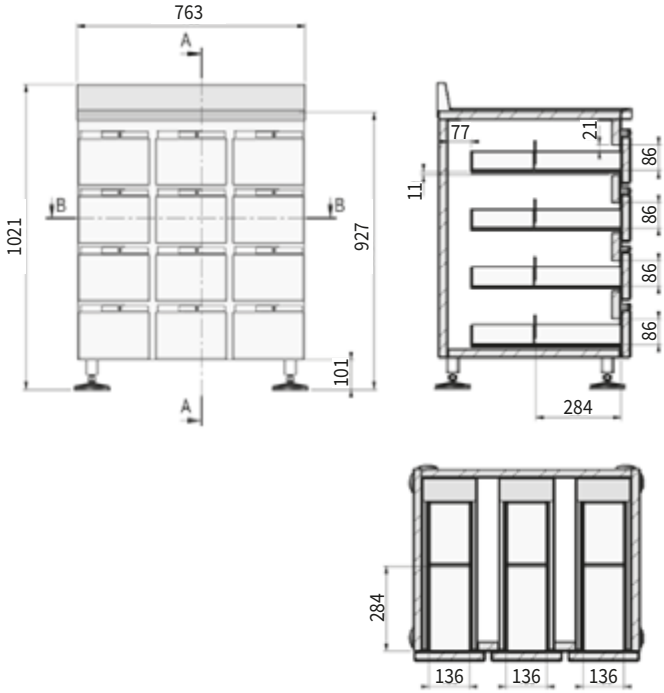


Rinsing and waste management unit



Storage/decay unit with waste bin compartment





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PRODUCTS+

BENCH

WORK SURFACE FOR LABORATORY AND RADIOPHARMACY

Simple bench

Shielded bench

Easy hygiene: easy cleaning and decontamination thanks to smooth surfaces and choice of materials.

Robustness. mechanical and chemical resistance.

Characteristics

General	Simple bench	Shielded bench			
Standard dimensions:	L 1900 x D 650 x H 900 mm	L 1000 x D 805 x H 1494 mm	L 1500 x D 805 x H 1494 mm	L 2000 x D 805 x H 1494 mm	L 2500 x D 805 x H 1494 mm
Viewing window dimensions:	N/A	L 380 x H 381 x Th. 56 mm / Inclined at 45°			
Weight:	60 kg	340 kg	470 kg	610 kg	750 kg
Radiation protection:	N/A	Under the work surface: 15 mm lead On the front: 30 mm lead / 56 mm lead glass			
Ref.:	**00012052**	**PBEM 1000**	**PBEM 1500**	**PBEM 2000**	**PBEM 2500**

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PET **SCAN VIEW**

SHIELDED VIEWING WINDOW FOR PET CONTROL ROOM

Optimum radiation protection: lead glass viewing window for total visibility.

Adaptability: available in various lead equivalences.

Characteristics

General

Radiation protection (mm lead glass)	5	7.5	12.5
Standard dimensions:		L 1600 x H 1000 mm	
Weight:	150 kg	220 kg	360 kg
Ref.:	**00029860**	**00029861**	**00029862**

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COUNTER **WINDOW**

PASS-THROUGH FOR SAFE TRANSFER OF SOURCES FROM THE PREPARATION ROOMS TO THE RADIOPHARMACEUTICAL SUBSTANCE ADMINISTRATION ROOMS

Optimum radiation protection: lead thicknesses adapted to your requirements on each side.

Easy maintenance: surfaces and materials allowing easy cleaning and decontamination.

Total safety: mechanical or electrical door interlocking.

Characteristics

General

Overall dimensions:
L 625 x D 600 x H 750 mm

Internal dimensions:
L 515 x D 550 x H 640 mm

Radiation protection:
Thickness according to shielding thickness.
Other dimensions on request
Ref. 00028929

Options

- Pressurised with filters
- Digicode
- Stainless steel 304L interior reinforcement
- Mechanical or electrical interlocking

Package

Package dimensions:
L 700 x D 650 x H 900 mm

Ref.: GTD02

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COUNTER **WINDOW WITH OCULUS**

FOR SAFE TRANSFER OF SOURCES FROM THE PREPARATION ROOMS TO THE RADIOPHARMACEUTICAL SUBSTANCE ADMINISTRATION ROOMS

Total radiation protection on each side.

Maintenance: easy cleaning and decontamination.

Safety: door interlocking.

Modular: customised lead dimensions and thicknesses upon request.

Ergonomics: interior visibility through lead glass oculus on each door.

Characteristics

General

Overall dimensions:
L 625 x D 600 x H 750 mm

Internal dimensions:
L 515 x D 550 x H 640 mm

Viewing window dimensions:
L 150 x W 150 mm

Radiation protection:
Thickness according to shielding thickness.
Other dimensions on request
Ref. 00015775

Options

- Oculus
- Pressurised with filters
- Digicode
- Stainless steel 304L interior reinforcement
- Mechanical or electrical interlocking

Package

Package dimensions:
L 850 x D 1000 x H 1300 mm

Ref. : GTD02 + 00014744

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