PHAEDRA

RADIOPHARMACEUTICAL DISPENSING ISOLATOR
FOR VIALS AND SYRINGES



DESIGNED WITH THE OPERATOR IN MIND

Disclaimer: This brochure has been originally created by the Manufacturer (Comecer) and has not been changed by the Distributor (Imaxeon)

RADIOPHARMA

COMECER
an ATS company

PHAEDRA

RADIOPHARMACEUTICAL DISPENSING ISOLATOR FOR VIALS AND SYRINGES

The main chamber of Phaedra is equipped with tele-pliers, which allow for the manipulation of highly radioactive pharmaceuticals in total safety, as well as hand doors that enable manual operations in **compliance with radioprotection standards**.

PHAEDRA is a radiopharmaceutical dispensing isolator fitted with class A chamber. The front door is equipped with tele-pliers and doors through which the radiopharmaceutical may be handled directly.

The 75 mm lead shielding makes it suitable for dispensing high activity PET emitters, mainly managed with the tele-pliers, while the hand door makes it possible to act quickly inside the aseptic chamber during consumable removal, cleaning and preparation of the new batch, assuring a continuous production process (back-to-back) with no need to open the front shielded door. This approach enhances operative speed while preserving operator exposure.

- Ideal for aseptic dispensations of vials or syringes in GMP field
- Ergonomics and responsiveness thanks to the combination of gloves formanipulation and telepliers
- Extraction system for vials and syringes equipped with pass-through dose calibrator
- Compact solution also suitable for small laboratories
- Telepliers with QuickPlug system for quick tight release
- Illuminate™ MI Ready

The Phaedra isolator

- ensures **high ergonomics and operative rapidity** in pre-production stages (introduction of vials, syringes and disposable in the aseptic area) and post-production stages (removal of disposable and cleaning)
- ensures **flexibility** during management and extraction of final containers, either in vial format or as syringes or cartridges, thanks to the new universal extraction system equipped with integrated calibrator
- makes significant productions possible with batches of up to 20 vials (15 ml) even as a **compact solution**, only 175 cm wide
- ensures **safe recovery of the pharmaceutical** in the event of emergency or malfunction, thanks to the possibility of access with one's hands with no need to open the front door (the aseptic condition is ensured by the presence of gloves and intermediate isolation door)
- lets operators **easily manage** manual production processes in case of loading syringes for C11 injections, production of short half-life radio-pharmaceuticals or test productions and R&D
- is **connected to decontamination systems** with hydrogen peroxide (VPHP) either integrated by Comecer, or by third parties, with the option of activating "rapid gassing" cycles thanks to direct injection in chamber
- ensures **easy operation** thanks to a user-friendly touch screen interface, integrating dispenser and dose calibrator controls
- maintains the utmost **compatibility with GMP lines**.

GMP COMPLIANCE | FROM START TO FINISH

Class B pre-chamber, Class A chamber with laminar flow, CFR21 PART 11 control system, an independently shielded and isolated solid waste system, a vial/syringe extraction system equipped with double isolated chamber and more

illuminate™
MANUFACTURING INTELLIGENCE
Ready

EASE OF USE | DESIGNED WITH THE OPERATOR IN MIND

The main chamber of Phaedra is equipped with tele-pliers, which allow for the manipulation of highly radioactive pharmaceuticals in total safety, as well as hand doors that enable manual operations in compliance with radioprotection standards.



TWO IN ONE | IDEAL FOR LABS THAT NEED TO DISPENSE VIALS AND SYRINGES

Equipped with a universal extraction system for the transfer of vials, syringes and cartridges. Compatible with all Comecer radiopharmaceutical dispensers.



VIALS



SYRINGES

FEATURES AND BENEFITS

Features and Benefits

- Illuminate™ MI: Illuminate™ Manufacturing Intelligence is a production management system that provides critical information on the essential processes of production activity
- Material introduction prechamber (airlock) complying with Class B "At rest" (EEC-cGMP) and equipped with handling gloves
- Dispensing chamber complying with Class A "At rest" (EEC-cGMP) and equipped with laminar flow over the entire area
- Waste compartment complying with Class B "At rest" (EEC-cGMP) equipped with front door
- Universal extracton system that enables the transfer of vials or syringes from inside the cell to the external environment while keeping the work chamber class unaltered
- Compatible with all the Comecer Radiopharmaceutical Dispensers
- Shielded and hinged front door of the main chamber equipped with glass and hand doors for manipulation
- Tele-pliers with special "QuickPlug" system in the main chamber for high sensitivity and precision-movement handling

Technical data

Support frame material		Carbon steel treated with epoxy paints
External casing material		AISI 304 - Scotch-Brite™
Working chamber material		AISI 316L - Mirror-Bright
Lead purity	Title	Pb 98% + Sb 2%
Electrical panel protection rating	IP	54
Shielding (Pb)	mm	75
Weight	kg	8700
Internal pre-chamber dimensions	mm	555 x 740 x 495 (w x d x h)
Internal dimensions of the dispensing chamber	mm	700 x 750 x 725 (w x d x h)
External dimensions	mm	1800 x 1350 x 2400 (w x d x h)

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