

AMERCARE

PROTECTING YOUR PRODUCT AND ENVIRONMENT

A² Medium Activity Isolator



Overview

Amercare is a market leader in the design, manufacture and supply of rigid isolators for Pharmacy and Radiopharmacy Applications.

The Isolator has been designed to provide 360 degree shielding with thicknesses to the customers' requirements for handling medium activity isotopes.

GMP design with ECGMP Grade A air, and Laminar flow across the work zone.

A hinged front shield with lead glass window gives optimum radiation protection, whilst the pneumatically sealed inner panel ensures that the isolator is fully leak tight to ISO 14644 Class 3.

Configured to your specific operational requirements, please see the options on the reverse of this datasheet.

Applications

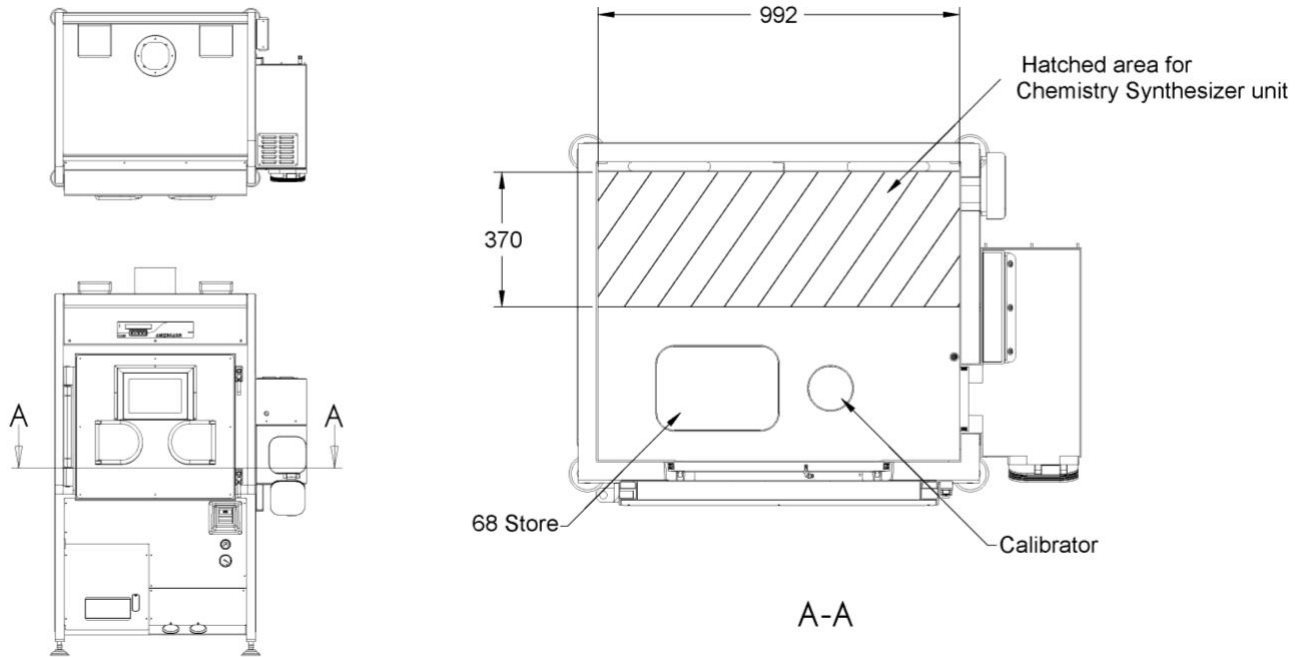
Designed For manual and automated preparations, with shielding specified to suit your radiation protection requirements. Typical applications include:

- Preparation of 68Ga with space for automated synthesis modules and 68Ga generators.
- Tc Dispensing with Generator storage
- Preparation of isotopes for therapy such as 131I.
- Dispensing and preparation of PET products including FDG.

See overleaf for a full range of options



Typical Arrangement Drawing



Specifications:

- EC GMP Grade A (equivalent to ISO Class 5) air quality.
- Negative or Positive Pressure.
- Laminar Air Flow to ISO 14644.
- Leak Tight to ISO 14644 class 3 with fully automated leak testing.
- Integrated digital control system with visual and audible alarms for out of specification operation.
- Glove port breach velocity of 0.7m/sec for negative pressure isolators.
- Timed interlocks on all transfer chamber doors.
- 200mm diameter glove ports as standard.
- Automated Glove Leak Tester.
- Integral light units.
- Test points for monitoring and validation.
- 3mm stainless steel grade 316 throughout

Operational Options:

- Single or Two Entry Chamber Option.
- Shielding to suit individual customer requirements, 15mm 25mm or 50mm lead on all 6 sides.
- Under work zone storage for 2 Mb Generators with 60mm shielding to the storage area.
- Under work zone storage for 68Ga generators with 50mm shielding.
- Integrated Dose Calibrator with automated dipper operated by footswitch.
- Internal service connections for mains power, data, compressed air, nitrogen etc. to customers specification.
- Work zone sized to accommodate automated synthesis.
- Connections for VHP gassing.

Service Requirements:

- 240 VAC 13A single phase electrical supply.
- External air extraction system capable of extracting 106m³/hour (non-recirculating units only).

Installation Options:

- Recirculating (integral fan unit) version
- Alternative electrical specification (e.g. 110V)
- Remote extract fan unit