



for all your shielding projects.

www.nuclear-shields.com

Biosafety Cabinet

lead-lined



**NUCLEAR
SHIELDS**



NUCLEAR SHIELDS

SHIELDED BIOSAFETY CABINET CLASS II, TYPE A2

Biological safety cabinet shielded with lead to safely work with radioactive materials. This cabinet includes multiple useful features, such as an electronic generator lift.

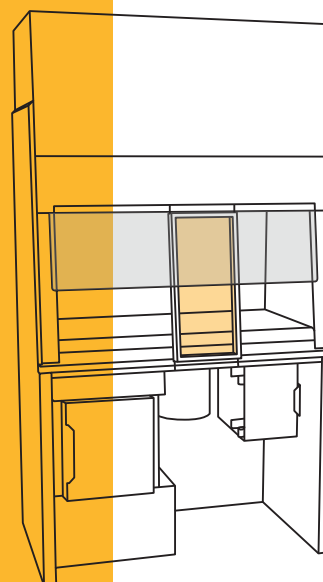
SHIELDING THICKNESSES

Working space	5 / 10 mm
Generator compartment	25 / 50 / 75 mm
Dose calibrator compartment	10 / 20 / 50 mm
Waste disposal compartment	10 / 20 / 30 mm

DIMENSIONS

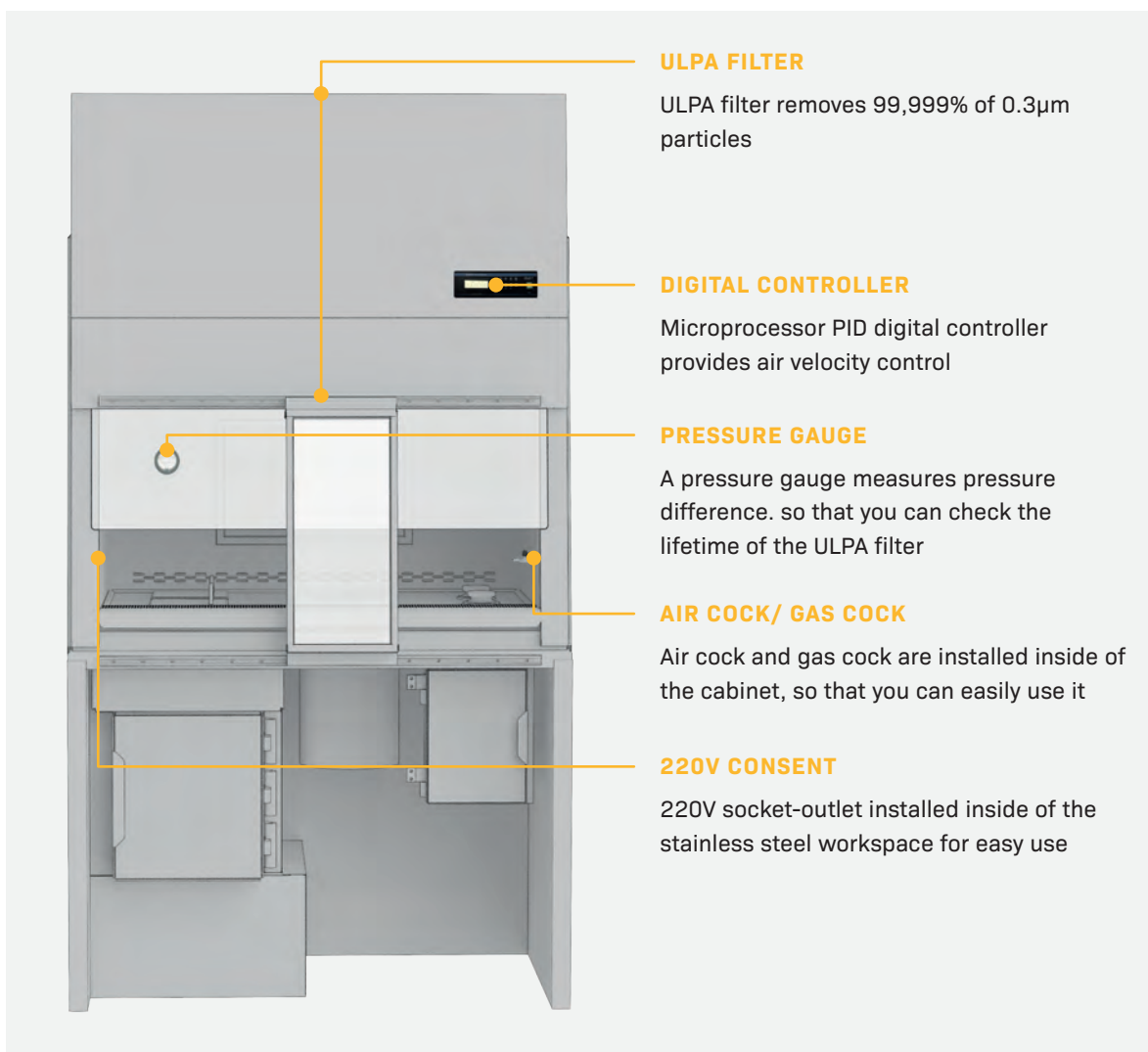
Overall width	1.375 mm
Overall depth	895 mm
Overall height	2.500 mm
Inner width	1.190 mm
Inner depth	645 mm
Inner height	620 mm

more dimensions on the next page



FEATURES

- Electronic generator lifts for two Tc-99m generators
- Slidable lead glass viewing window
- Control the airflow inside the cabinet
- Designed for standing and sitting work



GENERATOR COMPARTMENT

The generator compartment fits two Tc-99m generators. The cabinet comes standard with electronic lifts for the two generators. The two holes can be covered with lead plugs. The generator tray is attached to drawer sliders to place the generators on the tray.

DOSE CALIBRATOR COMPARTMENT

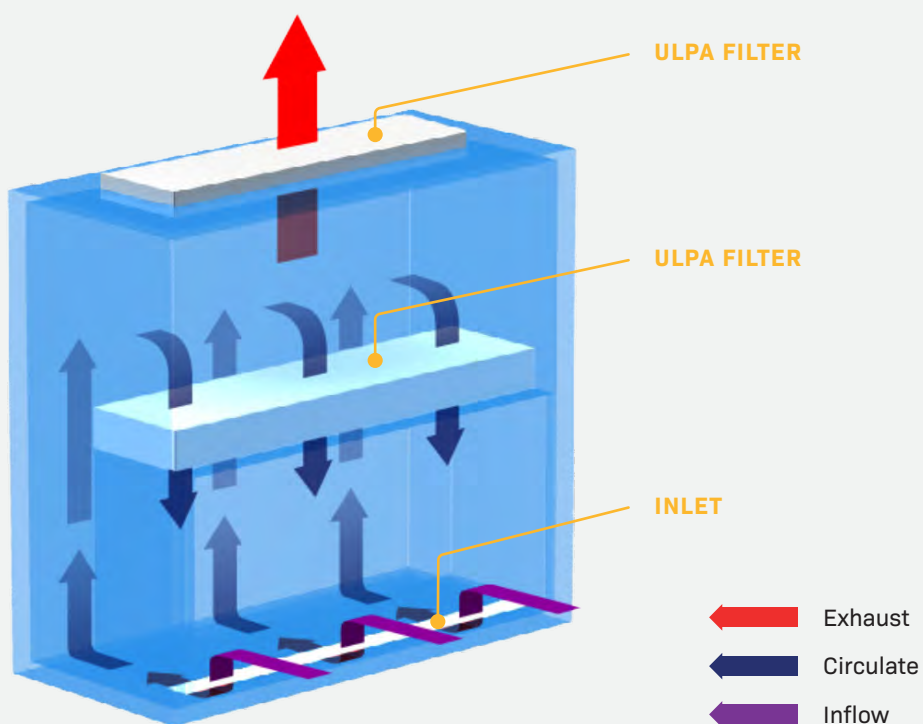
The generator compartment is compatible with the Isomed (Nuklear Medizin Technik), Atomlab (Biodex) and CRC (Capintec), but can be manufactured to the dimensions of any dose calibrator. The cabinet can optionally be equipped with a monitor on the inside of the working space to directly read the dose calibrator results.

WASTE BIN COMPARTMENT

Radioactive waste produced during the preparation of radiopharmaceuticals can be disposed through the holes inside the working space. The holes can be covered with lead plugs. The waste bin compartment fits up to two waste bins.

SPECIFICATIONS

Overall outside dimensions	1.375 x 895 x 2.500 mm (w x d x h)
Lead glass viewing window	300 x 650 mm (width x height)
Stainless steel workspace	1.190 x 645 x 620 mm (w x d x h)
Generator compartment	240 x 475 x 380 mm (w x d x h)
Dose calibrator compartment	175 x 415 mm (diameter x height)
Waste bin compartment	200 x 405 x 300 mm (w x d x h)
Air volume	1.350 m ³ / h
Controller	Class 10, Purity 0,12 µm - 0,17 µm particle removal 99,999%
Air flow velocity	Down: 0,3~0,36 m/s In: > 0,5 m/s
Noise level	56 ~ 60 dBA
Light	UV 20 w x 1 EA, FL 20w x 1 EA
Material interior	Stainless steel 304
Material exterior	Epoxy powder coated electro galvanized steel
Glass door	Tempered safety glass
Viewing window	Lead glass 4,8 g/ cm ³
Utility devices	Air cock, gas cock, 110 / 220V consent
Voltage	220V, 50/60 Hz, 1 phase (optional: 110V, 60 Hz)



70% of the air is circulated & 30% of the air is exhausted



generator compartment



waste bin compartment



NUCLEAR SHIELDS

Nuclear Shields B.V.

Akkervoortweg 5
5827AP, Vortum-Mullem
The Netherlands

Tel. nr. : +31 (0)485561140
E-mail : info@nuclear-shields.com
Web : www.nuclear-shields.com
VAT : NL857196881B01

ABN AMRO BANK

IBAN : NL94ABNA0246385561
BIC : ABNANL2A

Chamber of Commerce Eindhoven

reg. nr. : 67846769



for all your shielding projects.

www.nuclear-shields.com