



CytoSafe cytotoxic drug safety cabinets

Protection for products, operators and service personnel



Compliance, protection and reliability

Gelaire CytoSafe cabinets

APPLICATIONS

Cytotoxic drug safety cabinets are defined in Australian standards AS 2567 and AS 2639 as the primary barrier against exposure to aerosols produced in the preparation, manipulation and dispensing of cytotoxic drugs. Many of these drugs are known to be mutagens, and suspected of being carcinogens and teratogens. Effects of exposure to these drugs are insidious and may not manifest themselves for some years. Class II cabinets are unsuitable for use with cytotoxic drugs, because aerosols that are recirculated within the cabinet contaminate fans and internal plenums, thereby exposing service personnel to contaminated surfaces. These cabinets are also suitable for use with agents likely to cause genetic alterations or synergetic activities with other materials.

DESCRIPTION

Gelaire CytoSafe cabinets have the latest, European control and filtration technology, together with class-leading ergonomics and functionality. Cabinets are free-standing and width options are 900 mm, 1200 mm and 1800 mm, all with exhaust discharge at the top. Cabinets comply fully with Australian standard AS 2567, DIN 12980 and the EU standard EN 12469.

Ergonomics

- The flat air barrier grille integrated into the work tray optimises user comfort; and minimises wrist and arm pressure-point problems associated with some other designs
- Window easily opened and closed by gas springs without clips or fasteners
- Control panel functions operated by touch controls
- Noise level in situ typically < 60 dB(A) with ultra-low vibration



Safety and operational features

- Fans automatically adjust to maintain safe airflows
- Constant monitoring and reporting of all operating functions in an illuminated LCD
- Display of laminar flow and air barrier velocities, operated by sensitive vane anemometers
- Display of internal and external temperature
- Display of hours of operation
- Display of fan power factor
- Speed-reduction 'standby' mode allows continuous operation with power saving
- 'Blackout reporting' if power supply to the cabinet fails while the user is absent
- Audible and visible alarms indicate window open, out-of-range airflows or any other malfunction

Standard specification

- Solenoid-controlled gas tap (on RHS)
- Vacuum tap (on RHS)
- Splashproof power outlet (on RHS)
- Closure panel for work opening

Construction

- Robust, gastight housing with durable, corrosion-resistant epoxy finish
- Unitary 304 stainless steel (SS) work zone without joins or crevices
- 316 SS work tray for increased corrosion resistance
- Minipleat ULPA filter technology, 99.999% efficiency/ >99/95% MPPS with hydrophobic protective membrane on work zone filter. High-capacity multidihedral exhaust filter for increased life.
- Activated carbon exhaust filter

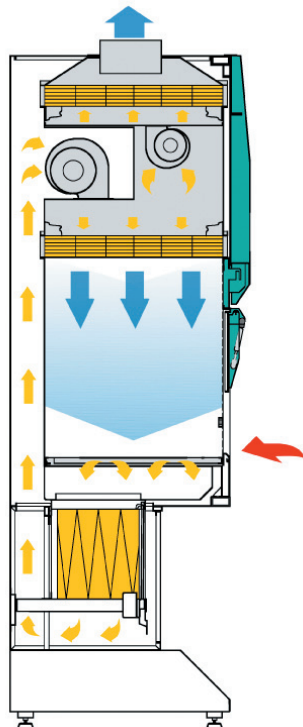


Independent testing and certification

Gelaire safety cabinets are independently tested and certified, pre-delivery and on-site, to current Australian Standards by an independent NATA-registered testing laboratory.

Installations

In pharmacy applications these cabinets should be installed in the special cleanroom specified in AS 2639, with HEPA filters on supply and exhaust air and a different pressure regime from conventional cleanrooms.



Multidihedral exhaust ULPA filters

Model	Work zone dimensions mm			Overall dimensions mm			Weight
	W	H	D	W	H	D	kg
CytoSafe 2003D	885	655	580	1090	2210	785	240
CytoSafe 2004D	1190	655	580	1395	2210	785	330
CytoSafe 2006D	1800	655	580	2005	2210	785	460

External air ➔ Sterile air ➔ Recirculated air ➔

 **GELAIRE®** Laminar flow

- *BH-EN* Class II biological safety cabinets
- *UltraSafe* Class II biological safety cabinets
- *HLLAF* and *VLLAF* laminar flow cabinets
- Animal cage-change cabinets
- Dust and powder-containment cabinets
- *VPCR* laminar flow cabinets for PCR
- *Ergo-Lab* height-adjustable electric stands

www.gelaire.com.au



Vilair-AAF® cleanroom and air filtration products

Vilair-AAF is a specialised manufacturer & supplier of air filtration and contamination-control systems. Products include a full range of air filters, cleanroom and pollution control products; replacement filter media for all filter brands; laminar downflow dispensary & sampling booths; pass-through hatches and air showers.

www.vilair-aaf.com.au



Biotest Biotest® air monitoring

Monitoring of airborne contamination levels is a vital element of process management in critical controlled environments. Compact, hand-held air samplers meet this need. Manufactured in Germany and the USA, the Biotest range uses the latest technology to provide precise data regarding air cleanliness in any process or laboratory situation.

- *RCS*® biological air samplers
- *APC*® airborne particle counters

www3.biotest.de/ww/en/pub/diagnostic/hygienecontrol.cfm



Air Techniques International® (ATI)

Air Techniques is the leading designer and manufacturer of specialised testing equipment for HEPA filters, media, filter cartridges, respirators and protective masks. Equipment includes aerosol photometers and aerosol generators for testing HEPA filters, safety cabinets and cleanrooms.

www.atitest.com

Bulletin No: 20-120
June 2008

Copyright© The material used for the production of this promotional or technical item including text, graphics and layout are owned by The Kelly Company Pty Ltd and protected by copyright under the laws of Australia.



Gelaire Pty Ltd ABN 46 111 828 561
20 Tucks Road Seven Hills NSW 2147

T: (02) 8811 3706 F: (02) 8811 3799 W: www.gelaire.com.au E: sales@gelaire.com.au

Brisbane
3216 2644

Melbourne
9853 6258

Adelaide
8431 3010

Perth
9444 8050