

■ World leading innovation in sterile enclosure design & technology

MODEL LAPP

# Laboratory Automation & Robotic System Enclosures & Cabinets

for sample/process protection



Bigneat manufactures and installs LAPP enclosures for sample/process protection.

Bigneat's LAPP enclosure has been designed following years of practical experience and is an example of Bigneat's innovation in design & technology.

LAPP enclosures provide downflow sterile ISO Class 5 Clean air to the work surface ensuring protection of the sample/process.

Access to the enclosure interior during operation can be gained through the three lower sliding windows within the lower hinged door (access 300mm high) and full height sliding doors allowing for access to the robotics system inside the enclosure during use, loading and maintenance.

Interlocking upper and lower main access doors are locked down with 'T' handles during operation.

This enclosure's air flow is 100% pass through system, air in and air out.

## BESPOKE AND CUSTOM FINISHED CABINETS

Bigneat is highly flexible and we offer enclosure options and finishing to suit your robotics system and the contained process.

*It's your choice!*

**Choose access options.**

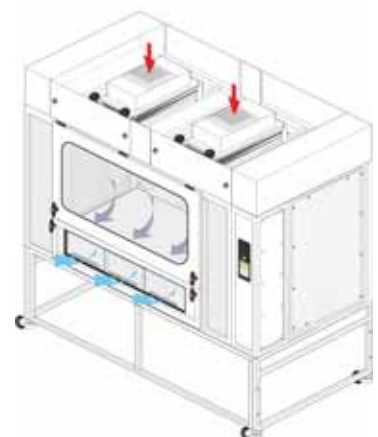
**Specify cable/tubing connections required.**

**Choose the colour of your enclosure.**

**Have your robotic system integrated into your enclosure.**

## FEATURES

- Great ergonomics with access to four sides of the robotic platform.
- Excellent all-round visibility of the enclosed system.
- Easy touch, state-of-the-art control system - displays enclosure status and controls airflow system, hour counter.
- Display shows status of enclosed robotic system which is mounted to enclosure exterior.
- Audible and visual alarm indication of low airflow.
- Door open warning alarm.
- Display/lighting beacons show status of enclosed robotic system.



## KEY FEATURE

- Product protection is a paramount function for the LAPP model with automatic fan speed control maintaining a minimum face velocity when one door is open which complies to recognised Standards worldwide.

# Improve reliability, improve productivity, improve safety.



Ventilated waste tips & plates container



Variety of door arrangements

## Options and extras

- Additional electrical sockets to suit robotics system.
- Computer shelf on flexible arm.
- Hydrogen peroxide (or alternative fumigation) connections (night doors, removed for normal operation).
- Under-bench storage and shelving to suit.
- Universal control panel.
- UV lighting, linked to timed on/off facility in control system.
- Variety of door options
- Waste tips and plates chute and ventilated waste container.



## FILTRATION USED IN LAPP ENCLOSURES

**Pre-filtration** eliminates particles at 5.0µm or larger to an efficiency of 92% as defined in BS EN ISO 779.

**Particulate filtration HEPA filtration (H14 Standard)** eliminates particles 0.3 µm or larger to an efficiency of 99.995%..



## PERFORMANCE AND STANDARDS

Meeting recognised Standards worldwide. ANSI/IEST/ISO 14644- 1:1999: Part 1: Para 2.4.1.

## ESSENTIALS

- High quality construction.
- Largest component of enclosure for on-site assembly will fit through standard laboratory doorway.
- Self-levelling/lockable castors ensure full mobility.

## Quality Assured



Bigneat is accredited to BS EN ISO 9001: 2008



Bigneat systems are CE marked

Bigneat manufactures from UL approved components

## Technical Specifications

Model	External dims mm (WxDxH)	Internal dims mm (WxDxH)	Inflow air velocity min m/s	Downflow air changes per hr
RP1500/01	1500 x 1180 x 2400	1420 x 1100 x 1144	>0.4	>60
RP1800/01	1800 x 1180 x 2400	1720 x 1100 x 1144	>0.4	>60
RP2200/01	2200 x 1180 x 2400	2120 x 1100 x 1144	>0.4	>60
RP2600/01	2600 x 1180 x 2400	2520 x 1100 x 1144	>0.4	>60
RP3200/01	3200 x 1180 x 2400	3120 x 1100 x 1144	>0.4	>60

Cabinet supplied with lighting: 2 x 18W sealed fluorescent amps >480lux, electrical sockets: x2. Sound level: <60dBA. Cabinets available for power supply: 230V, AC, 50Hz, 13Amp, 1Ø and 110V, AC, 60Hz, 20Amp, 1Ø.

**BIGNEAT CONTAINMENT TECHNOLOGY**  
Value. Service. Experience.

Bigneat Limited

4 & 5 Piper's Wood Industrial Park, Waterberry Drive, Waterlooville, Hampshire PO7 7XU UK  
Tel: +44 (0)23 92 266400 · Fax: +44 (0)23 92 263373 · E-mail: sales@bigneat.com



www.bigneat.com