

PATENT PENDING · DESIGN PATENT



- Evolution of the animal cage changing station
- Ergonomic design
- Eco-sustainability design
- Increased efficiency
- Acoustic comfort



LAMINAR FLOW

TECNIPLAST
*innovation through passion*SM



LAMINAR FLOW

CS5 Evo Changing Station

Evolution & Ergonomic Design

1&2



Eco-sustainability Design

3



1/Evolution of the Animal Cage Changing Station

The "CS5 EVO" is the ultimate Dual Access Animal Cage Changing Station with a superior ventilation system and airflow balancing technology providing personnel, environment and product protection during animal handling procedures.

2/Ergonomic Design

- Easy to move (only 160Kg/350lb) on 125 mm (5") casters with locking brakes.
- Angled viewing windows reduce glare and allow high visibility into the work area.
- The electronically controlled fluorescent lamps placed externally to the working area make for energy efficiency and provide optimal, uniform distribution of light over the work surface. A dimmer is available (option) to adjust the light intensity in case of manipulation of albino mice.
- The work surface height is electrically adjustable for ergonomic comfort and operator convenience.
- The ergonomic stainless steel integrated push/pull bar allows easy handling the cabinet.
- When fully lowered to a height of 1921 mm (75.6") the cabinet can be wheeled from lab to lab.

3/Eco-sustainability Design

- Sustainable use of materials, using new technologies and manufacture process that conserve natural resources.
- Less steel and more Hi-Tech plastic molded parts.
- Sturdy construction and modern design.

4/Increased Efficiency

- The CS5 provides a large work area for one or two operators.
- The large work access opening makes it easy to introduce and remove cages from the work zone.
- The work surface is composed of two easily removable frames, built of sound-absorbent, anti-scratch, autoclavable material.
- Innovative dual configuration working surface design means that the working surface can be adjusted in height in order to create a recessed working area in case of manipulation of "popcorn" mice strain.
- Innovative airflow grille design on the peripheral work surface collect ambient air prevents clogging to maintain air barrier performance.

5/Acoustic Comfort

- Unique Tecniplast plenum design minimize noise and vibration.
- Two independent blowers are used, one for the supply filter and one for the exhaust filter.
- Continuous monitoring of cabinet airflow is displayed on a easy to-read control panel. An acoustic and visual alarm signals when operational conditions are outside the set parameters.
- A microprocessor control system supervises operation of all cabinet functions and automatically control the constant airflow rate.

6/Containment and Protection

- The CS5 EVO with a new High Efficiency air plenum design and Laminar Airflow Technology (ISO5) protects the animals or products from external and cross-contamination, and protects the environment from allergens and particulate emissions.
- The CS5 EVO provides an excellent air curtain performance to protect investigators and animal care takers from exposure to allergens which can cause occupational hazards such as asthma and allergies.

7/High Cleanability

- High chemical resistance to Chlorine compounds.
- High-cleanability, perfectly rounded and smooth surface and edges.
- A protective net prolongs the lifespan and the efficiency of the HEPA filters positioned under the working area.
- A removable tank for refuse disposal and perimeter drain.

8/Wide Range of Accessories & Options

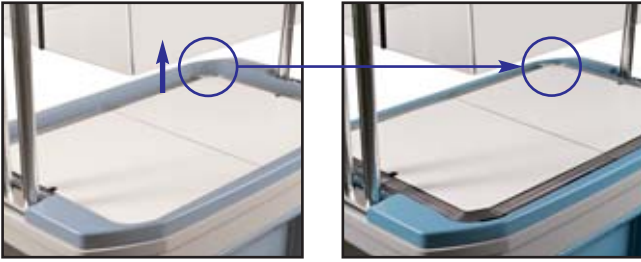
- "Easyfood" ABS dual chute feed hooper kit with plastic scoop.
- Folding shelf kit.
- Light Dimmer.
- Retractable Cable.
- "Sani-Jet" Spray Hand Sanitizer.
- Choice of colours.

9/Two Models Available

- CS5 Evo: Manual Adjustable Hydraulic Support Stand; Electronic manual adjustable airflow control; Retractable cable (optional).
- CS5 Evo Plus: Electric adjustable hydraulic support stand; Electronic automatic adjustable airflow control; Retractable cable (optional); Light dimmer (optional); Colour: Green (optional).

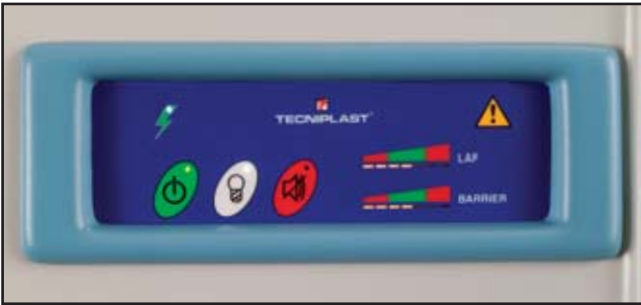
Increased Efficiency

4



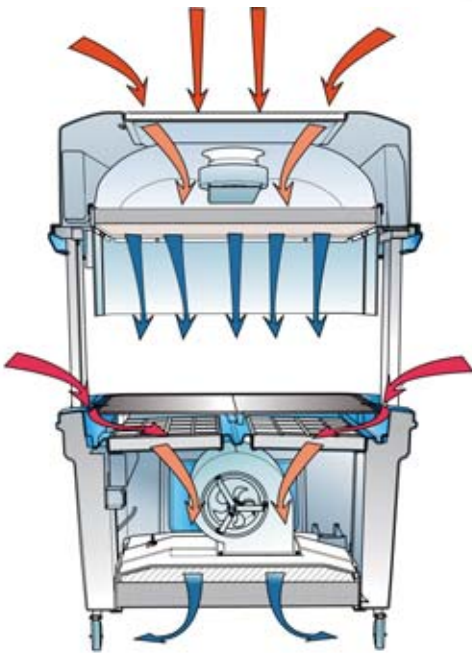
Acoustic Comfort

5



Containment and Protection

6



Environment air Pre-filtered air HEPA filtered air

High Cleanability

7



TECHNICAL SHEET

Overall Dimension on electrical height adjustable floor stand (W x D x H):
1295 x 773 x 1921/2221 mm • 51 x 30.43 x 75.62/87.44 inch

Chamber Dimensions (W x D x H):
1000 x 600 x 640/680 mm • 39.37 x 23.62 x 25.2/26.8 inch

Access opening height:
340 mm • 13,4 inch

Weight:
160 kg • 350 lb

Electrical Supply:
230 V - 50/60 Hz • 100/115 V - 50/60 Hz

Control:
microprocessor driven with control panel

Classification of Air Cleanliness:
ISO 5 according to ISO 14644-1

Wide Range of Accessories & Options

8



Two Models Available

9



Related Products

To maximise operational efficiency and learn more about these products contact your local representative.



Sealsafe Plus: high containment, certified protection from allergens, high density and practicality of use. The IVC (r)evolution.



CSM: cage opening and closing operations, using the ultimate in robotic technology.



Logistic trolleys offer safety and ergonomic features that enable high load-density for moving cages and bottles, crates, pallets and covers.



Decontamination Lock. Full decontamination cycle, with 6 log reduction, in one hour all inclusive. The unit may be used with Vaporized Hydrogen Peroxide generators from different vendors, gaseous Chlorine Dioxide generators and for chemical fogging.

TECNIPLAST

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