

PATENT PENDING · REGISTERED DESIGN



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



 **TECNIPLAST**
*innovation through passion*SM



LAMINAR FLOW

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 178Kg/392lb) 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 1947 mm (76" 5/8) 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 to easily handle taller cages during the normal cage changing procedure as well as to give even clearer boundary of the working area.
- 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).

CS5 Evo Changing Station

Evolution & Ergonomic Design

1&2



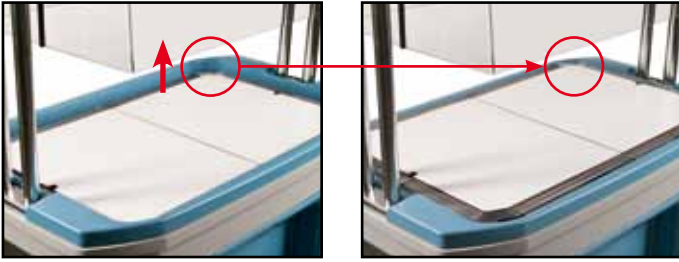
Eco-sustainability Design

3



Increased Efficiency

4



Acoustic Comfort

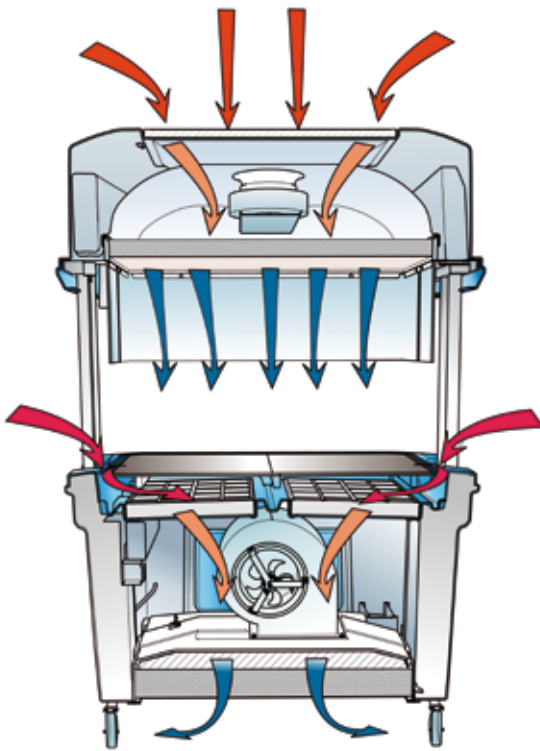
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CS5 EVO PLUS Control Panel

Containment and Protection

6



Environment air Pre-filtered air HEPA filtered air

High Cleanability

7



TECHNICAL SHEET

Overall Dimensions (W x D x H):
1295 x 773 x 1947-2247 mm • 51 x 30" 3/8 x 76" 5/8-88" 4/8 inch

Chamber Dimensions (W x D x H):
1000 x 600 x 640/680 mm • 39" 1/3 x 23" 1/2 x 25" 1/4-26" 3/4 inch

Access opening height:
340 mm • 13" 3/8 inch

Weight:
CS5 EVO: 173 kg / 381 lb
CS5 EVO Plus: 178 kg / 392 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



Options:

- Light dimmer*.
- Retractable cable.
- Blue or green colour*.

*available only for the CS5 EVO PLUS.

Accessories:

- "Easyfood" ABS dual choot feed hooper with plastic scoops.
- Folding shelf kit.
- "Sani-Jet" Spray Hand Sanitizer.
- S/s cage top holder.
- Removable front cover.

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 p/t: 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.



GP 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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To find your local distributor, please visit www.tecniplast.it



ISO-9001 - Cert. n° 0875



ISO-14001 - Cert. n° 0256A0



CS5 Evo is a Tecniplast trademark.

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