

IVC CAGE CHANGING STATION -4NOs.**Doc. No: ST/12/IVC-Changing Station/2016-17/15****Cage Changing Station:-**

Incoming and outgoing air is filtered through a particulate pre-filter (at least G4 efficiency) and then through an H14 HEPA filter, creating a working area with a containment level "ISO 5" according to ISO 14644-1. Every HEPA filter must be tested for integrity or DOP tested.

Microprocessor driven air flow speed, with an automatic compensation of the air flow rate, to maintain safe working conditions over time.

Control panel at eye level with a bar graph of the air flow for easy monitoring of the working conditions.

Functional acoustic and visual alarms as soon as operational conditions are outside the set parameters:

- Laminar Air Flow (LAF) speed
- Barrier Air Flow speed
- Filters efficiency (clogging)

The Average Laminar Air Flow must be higher than 0.30 m/s in the whole internal chamber and no measuring point must be outside the range of 0.25 and 0.5 m/s. (at least 9 measurement points equally distributed in the working area) for animal protection, avoiding cross contamination.

The Barrier Air Flow Speed should be high enough to protect the operator from allergens and particles coming from the cages manipulated inside the cabinet (proven by smoke test).

Lighting bulbs placed externally to the contaminated working area and two power sockets.

Work top made of Trespa®: autoclavable, scratch resistant, sound absorbent to reduce noise that will affect rodent activity.

Reduced use of steel (and less welding) and more Hi-Tech plastic molded parts

CLEANABILITY

Protective net or equivalent should avoid bedding and dust particles clogging the exhaust prefilter, preserving the lifespan and the efficiency of the HEPA filters.

Removable Collection tank to efficiently remove and drain all the bedding and food particles accumulated underneath the work surface.

Removable work surface and airflow grille to enhance the cleanability.

High cleanability, perfectly rounded and smooth surface and edges with an high chemical resistance to common disinfectants (also chlorine compounds)

ERGONOMICS

Electrically height adjustable.

Dual configuration working surface design

A light dimmer can be added to regulate the light intensity

Slightly angular transparent viewing screen

Knee rest panel.

Easy to move (only 160 Kg / 350lbs.) to be wheeled effortlessly around the facility (and through doorways) on its 125mm (5") casters

Integrated push-pull bar

TESTS

The changing station comes with a Test report with the following parameters tested: Noise level and light intensity test

Electrical test

DOP test

Particles counter

Alarm check

Functional Test

Aeraulic LAF tests (at least 9 different measurement points)

MANUFACTURER

The manufacturing company must be independently audited and certified to comply with ISO 9001 (quality management system) and ISO 14001 (environmental management system) standards.

GENERAL:

- International Certification (ISO/CE etc), validation for the system (Cage + Rack + AHU) is mandatory (including filter integrity test for HEPA filter).
- The total system should be certified by third party.
- Pls. ensure that the specifications mentioned in the offers must cover all the parameters listed in our enquiry and should attach the supporting documents. Unspecified parameter will be treated as non-compliant.
- The principals/local agents are responsible for loading/unloading of material. Installation testing, checking of specifications and the validation should be done at the specified area. Training of users to be done free of cost at the site.

- Pls. indicate the year in which the model was introduced in the market and confirm whether the spares and consumables for the system would be available for a minimum period of 10 yrs.
- Pre-installation and utility requirements for installation and running the system should be clearly mentioned.
- Availability of local service support and response time for a service call during and after the warranty to be specified.
- List of users in India and abroad of the similar models as the one(s) offered along with the names, addresses, telephone numbers and mail ID's to be enclosed separately
- Technical presentation and Demo on the systems offered is to be made on request from the Institute. In case any of the invited parties fails to demonstrate their compliance as per the demanded specifications, the party will be treated as disqualified.