TECNIPLAST IS THE IDEAL PARTNER AT YOUR SIDE FOR ANIMAL CARE PRODUCTS AND RELATED EQUIPMENT.

OUR CONSTANT INVESTMENT IN TOOLING, TECHNOLOGIES, AUTOMATION, PRODUCTION CAPABILITY, STOCK AVAILABILITY, STAFF RECRUITMENT AND TRAINING, TOGETHER WITH THE ISO CERTIFIED QUALITY AND ENVIRONMENT MANAGEMENT SYSTEMS, ARE THE KEY-FACTORS OF TECNIPLAST SUCCESS SINCE THE EARLY 1950S.

OUR EVER WIDENING RANGE OF HUSBANDRY AND LAMINAR FLOW EQUIPMENT USED IN BIOMEDICAL RESEARCH ALLOWS US TO MEET ALL CLIENTS’ NEEDS, PROVIDING SOLUTIONS FOR EVERY ANIMAL MODEL.

AS WELL AS PRODUCING TOP QUALITY EQUIPMENT, TOGETHER WITH OUR NETWORK OF SPECIALISTS AND CONSULTANTS WE ARE REGULARLY INVOLVED IN THE DESIGN AND CONSTRUCTION OF NEW ANIMAL FACILITIES AND IN THE REFURBISHMENT OF EXISTING ONES, THUS DESIGNING AND DEVELOPING 100% TAILOR-MADE PRODUCTS AND PROJECTS.

THAT’S THE REASON WHY TECNIPLAST IS NOT ONLY A SUPPLIER, BUT A REAL PARTNER AT YOUR SIDE.
ERGONOMIC DESIGN, ECO-SUSTAINABLE CONCEPTS AND MATERIALS, ACOUSTIC COMFORT, LARGE WORKING AREA TO EASE OPERATORS’ DAILY ACTIVITIES, ENERGETIC EFFICIENCY AND REDUCED MAINTENANCE COSTS: THESE ARE THE PRINCIPLES THAT INSPIRE OUR TECHNICIANS IN THE DESIGN AND DEVELOPMENT OF TECNIPLAST LAST GENERATION CHANGING STATIONS.

EXPLORE OUR OFFER: YOU’LL CERTAINLY FIND THE SOLUTION YOU’RE LOOKING FOR!
Tecniplast ARIA CS36 is a “Dual Access” Changing Station 1.0 m (36”) in size, which provides the best-in-class safety, ergonomics and energy efficiency for animal, personnel and working environment protection.

**PERFORMANCE**
- High Efficiency air plenum design and Laminar Airflow Technology (ISO Class 3 air quality according to ISO 14644-1) preventing animals or products from external and cross contamination, protecting the environment from allergens and potential contaminants
- Microprocessor driven air flow speed with an automatic compensation of the air flow rate, to keep safe working conditions over time
- Extended HEPA filter life span guaranteed by the pre-filters (ISO Coarse ≥70% as per ISO 16890; G4 as per EN779) clamped with a transparent co-molded net for an easier and simpler removal of larger dust particles.

**BENEFITS**
- Lightweight and easy to move: only 170Kg (375lbs) – 20% lighter than similar models
- Safety & Flexibility: unique and patented working surface double configuration flat or recessed to ease cage changing procedures without changing the overall opening section so as to guarantee the same highest containment
- Easier Cleanability: perfectly rounded and smooth surface and edges with a high chemical resistance to aggressive disinfectants
- Energy-efficient and Acoustic Comfort owing to the unique plenums design and EC motors.
FEATURES

- TFT 4.3” touch screen at eye level with an alpha-numeric display for LAF speed & BARRIER flowrate for easy monitoring of the working conditions
- LED light Bar with light dimmer provides the highest lighting level (RED light as option)
- Electric auto-lift to adjust work surface height for maximum operator comfort, whether seated or standing
- Integrated stainless steel push/pull bars on both sides of the cabinet make it easier to maneuver and transport inside the facility
- TRESPA® work surface: two easily removable frames, built of soundabsorbent, anti-scratch, autoclavable material
- Compliant with CE requirements and certified by UL/CSA
CHANGING STATIONS

CS48

SURFACE WIDTH: 120cm - 48”

- ISO Class 3 Air Quality (ISO 14644-1) for maximum protection
- Patented dual configuration of the working surface: flat or recessed, without changing the overall opening section so as to guarantee the same highest containment
- Weights only 185kg (407lbs): 20% lighter than others on the market; easy to transport around the facility
- Ergonomic design and sturdy construction
- Energy saving blowers (ECM Technology)
- Low energy LED strip provides uniform light on the work surface
- A dimmer controls light intensity to accepted levels for albino strands
- Injection molded polysulfone airflow grille around the work surface reduces noise and turbulence generated by inside air flow
- Acoustic comfort. Low levels of noise and vibration
- Overall energy savings and reduced heat load emissions
- High cleanability
- Reduced turbulence and noise inside working surface

ARIA CS48 is INDEPENDENTLY CERTIFIED (UL/CSA) AND COMPLIANT WITH CE REQUIREMENTS.

QUALITY MATERIALS ARE IN CONFORMITY TO GUARANTEE THE STRICTEST SAFETY STANDARDS.
Dual Access ISO Class 3 Air Quality
Innovative Flat or Recessed Working Surface

- **EFFECTIVE BARRIER**: Prevents cross-contamination and allergen exposure
- **FLEXIBILITY**: Dual configuration working surface fits from the smallest to the largest cages
- **LIGHTER**: 20% less weight than other models on the market

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS (WxDxH)</th>
<th>WORKING AREA DIMENSIONS (WxDxH)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1414 x 790 x 1954 - 2278 mm</td>
<td>1120 x 610 x 640 mm (flat mode) - 690 mm (recessed mode)</td>
<td>185 kg 408 lbs</td>
</tr>
<tr>
<td>55&quot; 5/8 x 31&quot; 3/8 x 76&quot; 7/8 - 89&quot; 5/8</td>
<td>44&quot; 1/8 x 24&quot; x 25&quot; 2/8 (flat mode) - 27&quot; 1/8 (recessed mode)</td>
<td></td>
</tr>
</tbody>
</table>

Magnifier kit and retractable cable
CHANGING STATIONS

- ISO Class 3 Air Quality (ISO 14644-1) and comprehensive barrier protection
- "Dual Access" Animal Biosafety Cage Changing Station with superior ventilation system and airflow balancing technology
- Automatic adjustment of the flow rate according to the chosen configuration: single side opening (for one operator) or double-front access (for two operators working simultaneously)

- Low weight: only 190kg (419lbs) - 20% lighter than similar models
- Patented working surface double configuration: flat for experimental procedures or recessed for cage changing operations
- Operator’s protection from infectious particulates, dust, allergens
- Animals’ protection from contaminants by minimizing the exposure to aerosols

CS48 HP

SURFACE WIDTH: 120cm - 48”
Environmental safety during animal handling procedures for cage changing operations

KI Discus proof: containment levels equal to a Class II Biological Safety Cabinet

High cleanability: neither sharp corners nor straight edges; the TRESPA® working panels are easily removable for carrying out routine disinfection and/or autoclaving sterilization procedures

Hinged view screen for easy access to the working area

Energy-efficient LED light system for bright working environment; the bar is equipped with a dimmer to modify the light intensity as needed. Optional red LED lights for night mode

4.3” control panel: user-friendly and easy to read

Optional H₂O₂ in-loop decontamination kit
CHANGING STATIONS

Patented Working Surface Double Configuration

CS60

Surface width: 150cm - 60"

- Dual-side changing station suitable for specific applications such as weaning and sex separation
- Extra wide working area
- Light weight and handy: only 195kg (429lbs)
- Great ergonomics: the wide access to the large working surface makes the introduction and removal of cage easier
- Working area adjustable height to improve operator’s ergonomics and comfort, whether seated or standing
- Working surface double configuration: flat (suitable for mice cages) or recessed (ideal for rat cages)
- ISO Class 3 Air Quality (ISO 14644-1) and comprehensive barrier protection
- Energy-efficient: standard LED bar for higher efficiency and longer life span
- Dimmer to adjust light intensity
- Reduced maintenance costs thanks to EC motors
- Acoustic comfort and vibration minimization for operator’s and animals’ well-being
- Easy to clean
- 4.3” control panel: user-friendly and easy to read

Hinged view screen for easy access to the working area

Overall Dimensions (WxOxH)

1590 x 790 x 1954 - 2278 mm
62" 5/8 x 31" 3/8 x 76" 7/8 - 89" 5/8

Working Area Dimensions (WxOxH)

1300 x 610 x 640 mm (flat mode) - 690 mm (recessed mode)
51" 1/8 x 24" x 25" 2/8 (flat mode) - 27" 1/8 (recessed mode)

Weight

196 kg
432 lbs
**CS60-D**

**SURFACE WIDTH: 150cm - 60”**

- Single-side changing station specifically designed for large footprint rat cages (e.g. Double Decker)
- Extra wide working area for increased productivity and exceptional comfort
- Light weight and handy: only 200kg (441lbs)
- Great ergonomics: 420mm (16” 4/8) opening height and large working surface
- Working area adjustable height
- Working surface double configuration (flat or recessed)
- ISO Class 3 Air Quality (ISO 14644-1) and comprehensive barrier protection
- Energy-efficient: standard LED bar for higher efficiency and longer life span
- Dimmer to adjust light intensity
- Reduced maintenance costs thanks to EC motors
- Acoustic comfort and vibration minimization for operator’s and animals’ well-being
- Easy to clean: removable rear closure panel; rounded corners and smooth surface
- Special protective net to prolong the life span and increase the efficiency of both pre- and HEPA filters
- 4.3” control panel: user-friendly and easy to read
- Wide range of options, e.g.:
  - Red lights for night mode
  - Motion and obstacle detector (to avoid the risk of collision when lowering the lifting system)
  - Cage top holder and folding closure panel
  - Magnifier kit
  - TRESPA® folding shelf kit

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS (WxDxH)</th>
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<tbody>
<tr>
<td>1590 x 790 x 1994 - 2318 mm</td>
</tr>
<tr>
<td>62” 5/8 x 31” 3/8 x 78” 4/8 - 91” 2/8</td>
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</tbody>
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<table>
<thead>
<tr>
<th>WORKING AREA DIMENSIONS (WxDxH)</th>
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<tbody>
<tr>
<td>1394 x 610 x 680 mm (flat mode) - 730 mm (recessed mode)</td>
</tr>
<tr>
<td>51” 1/8 x 24” x 26” 6/8 (flat mode) - 26” 6/8 (recessed mode)</td>
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<table>
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<tr>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>206 kg</td>
</tr>
<tr>
<td>454 lbs</td>
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</table>
TECNIPLAST BIOSAFETY CABINETS, SPECIFICALLY DESIGNED FOR ANIMAL RESEARCH LABORATORIES, GUARANTEE THE UTMOST PROTECTION OF THE OPERATORS FROM THE INHALATION OF INFECTIOUS PARTICLES, DUST, ALLERGENS AND PATHOGENS.

AT THE SAME TIME, TECNIPLAST BIOSAFETY CABINETS GUARANTEE AN EXCELLENT PROTECTION OF THE ANIMALS FROM CONTAMINANTS, BY MINIMISING THE EXPOSURE TO AEROSOLS, THUS PRESERVING ENVIRONMENTAL SAFETY.
BIOSAFETY CABINETS

BIOLICAL SAFETY CABINET CONFIGURATION

CHANGING STATION CONFIGURATION

The unique MSC
dual configuration in the world!

TECH48

SURFACE WIDTH: 120cm - 48"

- Double configuration Microbiological Safety Cabinet and Cage Changing. Simply typing a password, the operator can carry out cage changing operations or experimental activities (by adding the related S/S working surface) in Class II Biohazard configuration
- Certified by TÜV-Nord, meets the requirements of EN 12469:2000 regulation in terms of safety and performance and is compliant with NSF49 as Class II type A2
- Complete operator, product and environmental protection: ISO Class 3 Air Quality (ISO 14644-1)
- Increased flexibility and comfort:
  - The automatic slanted sash window can be adjusted at two different heights: 250mm (98”) in Biohazard configuration and 290mm (114”) in cage changing mode
  - Optional electric auto-lift system
  - Noise and vibration minimization
- Increased flexibility and comfort
- Energy-efficient LED light system for bright working environment; the bar is equipped with a dimmer to modify the light intensity as needed
- Standard red LED lights for night mode in changing station configuration
- 4.3” control panel: user-friendly and easy to read
- High cleanability: the AISI 304 working surface (Biohazard configuration) as well as the TRESPA® working surface (Cage Changing configuration) can be easily removed to carry out routine disinfection and/or autoclaving procedures

<table>
<thead>
<tr>
<th>OVERALL DIMENSIONS (WxDxH)</th>
<th>WORKING AREA DIMENSIONS (WxDxH)</th>
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</thead>
</table>
| 1395 x 850 x 1590 (cabinet only) mm | CHANGING STATION: 1190 x 540 x average 692 mm 46” 7/8 x 21” 2/8 x average 27” 2/8  
| 1395 x 850 x 1998.5 - 2323.05 (with mobile base) mm | BSC2: 1190 x 540 x average 612 mm 46” 7/8 x 21” 2/8 x average 24” 1/8 |
| 1395 x 850 x 2255 - 2305 (with fix base) mm | CABINET ONLY: ~ 260 kg - 573 lbs  
| 54” 7/8 x 33” 4/8 x 78” 5/8 - 62” 5/8 (with mobile base) | WITH MOBILE BASE: ~ 320 kg - 705 lbs  
| 54” 7/8 x 33” 4/8 x 78” 5/8 - 91” 4/8 (with mobile base) | WITH FIX BASE: ~ 280 kg - 617 lbs  
| 54” 7/8 x 33” 4/8 x 88” 6/8 - 90” 6/8 (with fix base) |
BIOSAFETY CABINETS

DUAL CONFIGURATION MSC: CLASS II MICROBIOLOGICAL SAFETY CABINET AND CAGE CHANGING STATION

TECH60

SURFACE WIDTH: 150cm - 60"

Specifically designed for Animal Research Laboratories, Tecniplast ARIA TECH60 assures an effective barrier, prevents cross-contamination and allergen exposure. Simply typing a password, the operator can perform cage changing operations or microbiological activities (by adding the dedicated S/S working surface) in Class II Biohazard configuration (certified by TÜV-Nord)

<table>
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<tr>
<th>OVERALL DIMENSIONS (WxDxH)</th>
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<th>WEIGHT</th>
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</thead>
<tbody>
<tr>
<td>1700 x 850 x 1590 (cabinet only) mm</td>
<td>CHANGING STATION: 1495 x 540 x average 692 mm</td>
<td>CABINET ONLY: ~ 305 kg - 672 lbs</td>
</tr>
<tr>
<td>1700 x 850 x 1998.5 - 2323.5 (with mobile base) mm</td>
<td>58” 7/8 x 21” 2/8 x average 27” 2/8</td>
<td>WITH MOBILE BASE: ~ 370 kg - 816 lbs</td>
</tr>
<tr>
<td>1700 x 850 x 2255 - 2505 (with fix base) mm</td>
<td>BSC2: 1495 x 540 x average 612 mm</td>
<td>WITH FIX BASE: ~ 330 kg - 728 lbs</td>
</tr>
<tr>
<td>66” 7/8 x 33” 4/8 x 62” 5/8 (cabinet only)</td>
<td>58” 7/8 x 21” 2/8 x average 24” 1/8</td>
<td></td>
</tr>
<tr>
<td>66” 7/8 x 33” 4/8 x 78” 5/8 - 91” 4/8 (with mobile base) mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>66” 7/8 x 33” 4/8 x 68” 6/8 - 90” 6/8 (with fix base)</td>
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</table>

ERGONOMIC ACCESS TO PREFILTERS FOR EASY MAINTENANCE

MOVABLE ARMRESTS TO IMPROVE OPERATOR’S COMFORT
Automated slanted sash window adjustable at two different heights (250mm in biohazard configuration; 290 mm in cage changing procedure)

Electric auto lift system (optional) for ergonomic positioning and easy transport

4.3” touch screen panel

LED light bars with dimmer (particularly beneficial for procedures with light-sensitive mice) and red LED lights to work at night (in CS mode)

Wide range of available options

Lower energy costs, longer filter life, reduced noise, vibration and heat emissions thanks to the EC high-performance and superior efficiency motor

Sound-pressure levels (including alarms) way below the parameters of the current EN:12469

TECH60 performances compliant with both the European and American standards of Class II Biosafety Cabinets

Outstanding flexibility and comfort thanks to the extra wide working area

Bright and open working environment: transparent glass side windows and LED ligth bars with dimmer

Rounded corners: easy to clean. The AISI 304 (biohazard configuration) and the TRESPA® (cage changing configuration) working surfaces are easily removable to perform routine cleaning and/or autoclaving sterilization procedures

Easy access to pre-filters located in the rear of the panel, which preserves HEPA filters lifespan and efficiency

Noise and vibration minimization thanks to the unique plenum design: acoustic comfort for both operators and animals

ON-BOARD HOLDER FOR STAINLESS STEEL WORKING SURFACES (WHEN SET IN CS MODE)
BIOSAFETY CABINETS

DUAL CONFIGURATION MSC: CLASS II MICROBIOLOGICAL SAFETY CABINET AND CAGE CHANGING STATION

TECHBO D

SURFACE WIDTH: 150cm - 60"

FEATURES
- Automated slanted sash window adjustable at two different heights (250mm in biohazard configuration - 330mm in cage changing procedure). The window can be opened simply pressing the dedicated icon on the touch screen, or by a foot switch
- Electric auto lift system (optional) for ergonomic positioning and easy transport
- 4.3” touch screen panel
- LED light bars with dimmer (for light-sensitive mice) and red LED lights to work at night (in CS mode)

PERFORMANCE
- Guaranteed protection for your staff and animals: meets the requirements of EN 12469:2000 regulation and is compliant with NSF49 - Class II Type A2
- Lower energy costs, longer filter life, reduced noise, vibration and heat emissions thanks to the EC motor
- ISO Class 3 Air Quality according to ISO 14644-1
- Automatic regulation system to keep the airflow speed in the work chamber and the recycling/extracted air ratio constant.

OVERALL DIMENSIONS (WxDxH) mobile base included
1704 x 850 x 1998.5 - 2323.5 mm
67’’1/8 x 33’’4/8 x 78’’5/8 - 91’’4/8

WORKING AREA DIMENSIONS (WxDxH)
1495 x 540 x avg 612 (flat mode) - 692 mm (recessed mode)
58’’7/8 x 21’’2/8 x avg 24’’1/8 (flat mode) - 27’’2/8 (recessed mode)
SPECIFICALLY DESIGNED FOR DOUBLE DECKER AND LARGE FOOTPRINT CAGES

BENEFITS

■ Energy efficient: LED lights with dimmer and EC motor blower
■ Easy to clean: the AISI 304 (biohazard configuration) and the TRESPA® (cage changing configuration) working surfaces are easily removable to perform routine cleaning and/or autoclaving sterilization procedures
■ Lower maintenance costs: ISO Coarse ≥70% as per ISO 16890; G4 as per EN779 pre-filters located in the rear of the panel preserve the lifespan of HEPA filters; LED system and EC motor for extended life cycle.

WEIGHT

CABINET ONLY: 305 kg - 672 lbs
WITHOUT MOBILE BASE: 370 kg - 816 lbs
WITH FIXED BASE: 330 kg - 728 lbs

Foot-switch to open and close automatically the sash window
BIOSAFETY CABINETS

SURFACE WIDTH:
- 120cm - 48” (TECH48 GAS)
- 150cm - 60” (TECH60 GAS)

FEATURES
- Automated slanted sash window adjustable at two different heights (250mm in biohazard configuration; 290mm in cage changing procedure)
- Electric auto lift system (optional) for ergonomic height positioning and easy transport
- All anaesthesia controls (touch screen control panel, vaporizer, induction chamber, mice or rats mask, thermal probe, heating pad) placed inside the working area
- LED light bars with dimmer (for procedures with light-sensitive mice) and red LED light to work at night (in CS mode).

PERFORMANCE
- Guaranteed protection for your staff and animals meeting the requirement of EN 12469:2000 regulation (KI Discus proof) and compliant with NSF49 as Class II Type A2
- ISO Class 3 Air Quality according to ISO 14644-1
- Automatic regulation system to keep the airflow speed in the work chamber and the recycling / extracted air ratio constant even with the progressive clogging of the two HEPA filters up to the maximum pressure supported by the EC motor or with the different work openings set
- Dedicated and automatic inlet & outlet flowrate electronic management for induction chamber and anaesthesia mask
- Automatic scavenging anaesthesia system with dedicated filters.
Fully integrated Gas Anaesthesia system for ARIA BSCs. Class II Microbiological Safety Cabinets and Cage Changing Stations specifically designed for Animal Research Laboratories, Tecniplast ARIA TECH 48 & 60 GAS, with a fully integrated TEM SEGА anaesthesia system, assures effective microbiological safety during animal surgical operations or experimentation preventing cross contamination and allergen exposure.

**BENEFITS**
- The anaesthesia integration into the back panel frees your cabinet’s working chamber, keeping the work surface clear.
- Simply access to pre-filters located in the rear of the panel, which preserves HEPA filters lifespan and efficiency.
- The anaesthesia system is equipped with 3 independent control lines (1 for induction chamber and two for masks) and a dynamic 7” smart touch screen with pre-set protocols.

<table>
<thead>
<tr>
<th></th>
<th>OVERALL DIMENSIONS (WxDxH) mobile base included</th>
<th>WORKING AREA DIMENSIONS (WxDxH)</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECH 48 GAS</td>
<td>1395 x 850 x 1998.5 - 2322.5 mm 547/8 x 331/2 x 783/4 - 911/2</td>
<td>1495 x 540 x avg 612 (flat mode) - 692 mm (recessed mode) 587/8 x 212/8 x avg 241/8 (flat mode) - 272/8 (recessed mode)</td>
<td>385 kg 848 lbs</td>
</tr>
<tr>
<td>TECH60 GAS</td>
<td>1700 x 850 x 1999 - 2323 mm 667/8 x 331/2 x 783/4 - 911/2</td>
<td>1190 x 540 x avg 610 (flat mode) - 690 mm (recessed mode) 467/8 x 211/4 x avg 24” (flat mode) - 27”1/4 (recessed mode)</td>
<td>430 kg 947 lbs</td>
</tr>
</tbody>
</table>
BIOSAFETY CABINETS

ISO-TECH60 P

SURFACE WIDTH: 150cm - 60”

Specifically designed for Germ-Free Applications, Tecniplast ARIA ISO-TECH60 P guarantees protection for your staff and Animals and assures an effective barrier, preventing germ free health status of the animals and cross contamination as well as allergens and potential pathogens exposure.

FEATURES

■ Hinged and sloped safety glass front window allowing good visibility of the work surface and inside the cages by reducing glare
■ Electric auto lift system (optional) for ergonomic height positioning and easy transport
■ User friendly 7” TFT Colour Touch panel with integrated microprocessor system for easy control and operation
■ LED light bars with dimmer (particularly beneficial for procedures with light-sensitive mice) and red LED light to work at night

THE AERAULIC PERFORMANCES MEETS THE REQUIREMENT OF EN 12469:2000 REGULATION AND COMPLIANT WITH NSF49 AS CLASS II TYPE A2

CLASS II MICROBIOLOGICAL SAFETY CABINET
PERFORMANCE
- ISO Class 3 Air Quality according to ISO 14644-1, the aeraulic performances meets the requirement of EN 12469:2000 regulation and compliant with NSF49 as Class II Type A2
- Decon chamber (option) on a side for manually decontaminating the cage before moving in and handling it
- Highest degree of protection: optional sliding gloves system installed along the front aperture in order to minimize the risk of human error and potential contamination
- Transfer door (option) with or without flange in order to introduce the autoclaved staff or germ-free animals in complete safety.

BENEFITS
- Very large work area for housing all the staff needed to work with very sensitive mice
- Enhanced ergonomics: the improved opening height and the use of a smart sliding gloves system make any kind of manipulation simpler, more effective and safer
- Energy-efficient: LED light bars with dimmer and EC motor blower
- Easy to clean: the AISI 316 working area with removable TRESPA® work surface panels are highly resistant when carrying out routine cleaning and/or autoclaving sterilization procedures
- Customer configurable: different options available according to the user needs and SOPs

<table>
<thead>
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<th>WORKING AREA DIMENSIONS (WxDxH)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2238 x 860 x 2007 - 2407 mm</td>
<td>1495 x 490 x average 690 mm</td>
<td>CABINET ONLY: 358 kg - 789 lbs</td>
</tr>
<tr>
<td>88”1/8 x 33”7/8 x 79”- 94”6/8 in with decon chamber and transfer door with flange</td>
<td>58”7/8 x 19”2/8 x average 27”1/8</td>
<td></td>
</tr>
</tbody>
</table>

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TECNIPLAST COMPLETE ARRAY OF ALLERGEN CONTAINMENT SOLUTIONS PERFORMS:

- HIGH PROTECTION AGAINST ALLERGENS AND CONTAMINANTS
- WIDE WORKING AREA
- HIGH CLEANABILITY AND VISIBILITY
- MICROPROCESSOR CONTROLS AND SAFETY ALARMS
Tecniplast ARIA DS ONE provides the best-in-class safety, ergonomics and energy efficiency for personnel and working environment from aerosol particles and unpleasant odors.

- Top-mounted exhaust carbon filter absorbs odours and gaseous contaminants including ammonia (as option)
- AISI 304 with scotch brite finishing for enhanced cleaning and product life
- 4.3” touch screen control panel with automatic regulation system to keep the inflow air speed constant
- LED light Bar with light dimmer provide the highest lighting level
- EC Motor Blower ensures higher efficiency & performance, extended life and reduced maintenance.

Allergen Containment

Higher Front Access Opening and Enhanced Depth for a Maximum Operator Comfort

**DS ONE**

Surface Width: 90 cm - 36”

Tecniplast ARIA DS ONE provides the best-in-class safety, ergonomics and energy efficiency for personnel and working environment from aerosol particles and unpleasant odors.

- Spacious working area in a compact and ergonomic design thanks to its unmatchable access opening height. An optional electric lifting system is also available to be adjusted for user convenience
- Easiest Cleanability thanks to the working surface made in high tech, highly resistant plastic making it highly cleanable and with a high resistance to chemical disinfectants
- Energy-efficient and Acoustic Comfort owed to the unique plenum design and EC motor
- Increased durability of the working surface. The elastic property of the plastic (polymer) is extremely durable and resistant to chemical disinfectants

**OVERALL DIMENSIONS (WxDxH)**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1050 x 895 x 1880 mm</td>
<td>41” 3/8 x 35” 2/8 x 74” (with fixed stand support)</td>
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</table>

**WORKING AREA DIMENSIONS (WxDxH)**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>966 x 660 x 590 mm</td>
<td>38” x 26” x 23” 2/8</td>
</tr>
</tbody>
</table>

**WEIGHT**

- DS ONE WITH FIX BASE: 162 kg - 357 lbs
- DS ONE WITH LIFTER: 195 kg - 430 lbs
- Enhanced operator protection against allergens and contaminants thanks to a redesigned and optimized working area
- Extended HEPA filter life span guaranteed by the pre-filters (ISO Coarse $\geq 70\%$ as per ISO 16890; G4 as per EN779) clamped with a transparent co-molded net for an easier and simpler removal of larger dust particles
- Sliding reduction funnel allowing the operator to simplify waste bag removal under a constant and incomparable operator protection.
TECNIPLAST “SAFE BARRIER” SOLUTIONS ARE DESIGNED TO IMPROVE LABORATORY ENVIRONMENTAL CONDITIONS, CONTRIBUTING TO THE DEVELOPMENT OF SAFER PROCEDURES AND MORE FLEXIBLE, EASIER WAYS OF WORKING.

OUR WIDE EXPERIENCE ALLOWS US TO PROVIDE YOU WITH THE BEST SOLUTION WHEN TRANSFER BETWEEN TWO ENVIRONMENTS WITH DIFFERENT LEVELS OF CONTAMINATION IS NEEDED.
PT-TECH60 – TYPE A: SINGLE DOOR PASS-BOX

**SAFE BARRIER SOLUTIONS**

**SURFACE WIDTH:** 150cm - 60” (cabinet only)

**PERFORMANCE**
- Excellent safety: complying with both EU and US Class II biosafety cabinet standards, provides the operator complete protection
- ISO Class 3 air quality: meets the highest operator and product protection (ISO 14644-1)
- Improved energy efficiency: high-performance motor and LED lighting system, with in-built dimmer, offers both energy efficiencies and reduced maintenance costs
- Surface and filter cleaning enhancements: rounded corners inside and out improve surfacing cleaning.

**FEATURES**
- 4.3” touch screen panel with user-friendly menu
- Dimmable LED lights: beneficial for procedures with light-sensitive animals. Red LED light, as standard, allowing night work
- Transparent glass side windows: provides a bright and open working environment.
- V-shaped inlet grid: prevents accidental blocking, which could impact airflow speed, helping maintain a safe and constant environment.
The new ARIA PT-TECH60 is specifically designed for animals moving from a non-controlled environment to a controlled one. It features a Laminar Flow Pass Through Box and a Bio-Safety Changing Station, and can be used for both mouse and rat.

**BENEFITS**

- Increased flexibility: two model types available:
  - TYPE “A” configured with one pass through box door
  - TYPE “B” configured with two interlocking doors, offering flexibility of use and quicker operation
- Operator comfort: adjustable and automatic slanted sash window, allows for a comfortable cage changing procedure while maintaining operator safety
- Unique plenum design: minimizes noise and vibration, benefiting user and animal
- TRESPA® work top: enables highest hygiene standards with absorbent, anti-scratch and autoclavable material.

### OVERALL DIMENSIONS (WxDxH)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Dimensions (WxDxH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2164 x 849 x 2437 = 2482 mm</td>
</tr>
<tr>
<td>B</td>
<td>2564 x 849 x 2437 = 2482 mm</td>
</tr>
</tbody>
</table>

### WORKING AREA DIMENSIONS (WxDxH)

<table>
<thead>
<tr>
<th>Changing Station</th>
<th>Dimensions (WxDxH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>485 x 465 x 433 mm</td>
</tr>
<tr>
<td>B</td>
<td>485 x 871 x 510 mm</td>
</tr>
</tbody>
</table>

### WEIGHT

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>420 Kg - 926 lb</td>
</tr>
<tr>
<td>B</td>
<td>452 Kg - 996 lb</td>
</tr>
</tbody>
</table>
Main body made in stainless steel AISI 304L and Scotch Brite finishing to improve the cleanability

Removable work surface & Liquid collection tray to collect the extra disinfectant

Pre-filters (ISO Coarse ≥60% as per ISO16890; G4 as per EN779) to extend the H14 HEPA filter life span

24V DC centrifugal motor blower ensures higher efficiency & performance, extends life of the Pass Through and reduced maintenance.

Increased flexibility: two different models available (static or ventilated) and with or without base to meet the different installation requirements of your facility

Top Safety: electromagnetic interlocking doors with LED light control preventing both doors from being accidentally opened at the same time

Enhanced Visibility: anti UV-C tempered glass screen provides a clear view of the internal chamber

User-Friendly: 4.3” touch screen which allows you to easily access any function, improving and simplifying the setting procedures
Class H14 HEPA filter: typical efficiency of 99.995% MPPS according to CEN EN 1822.

ISO Class 3 Air Quality according to ISO 14644-1 for an increased air cleanliness

Automatic regulation system to keep the airflow speed in the work chamber and the recycling/extracted air ratio constant, even with the progressive clogging of the pre-filter & HEPA filters

Perforated stainless steel diffuser to protect the HEPA filter and guarantee a uniform down flow air along all the working area (average speed 0.36 m/s – 70.86 fpm). (Cage Changing configuration) can be easily removed to carry out routine disinfection and/or autoclaving procedures.
VENTILATED CABINETS

- Protection of immunodepressed, SPF animals
- Protection of staff and local environment
- To house animals of different strains or types within the same area
- Suitable for specific studies or tests
- To house animals in areas not specifically designed for their breeding

The ventilation system creates a clean environment for housing rodents in cages and minimizes contamination levels in the room thanks to cabinets filtration system.
BIO-C36 EVO

SURFACE WIDTH: 90cm - 36”

Top-of-the range Ventilated Cabinet, Tecniplast ARIA BIO-C36 EVO is a Ventilated Cabinet designed to accommodate nearly all types of cages with no cross contamination.

FEATURES

- User friendly 7” TFT Colour Touch panel with integrated microprocessor system for easy control and operation
- Dual-paned magnetic tempered safety glass doors available in transparent, red or opaque color
- Working area entirely built in AISI 304 S/S
- Adjustable shelving for flexible cage housing (only for cabinets without day/night cycle option)
- Compliant with CE requirements and UL/CSA.

PERFORMANCE

- Innovative dual ventilation system with two energy-saving blowers in order to work in positive or negative pressure according to the users’ needs
- Microprocessor driven ACH with an automatic compensation of the air flow rate, to keep safe working conditions over time
- Supply and Exhaust air filter HEPA H14 efficiency (EN 1822) with DOP test scanning design.
MICE PERCEIVE RED AS BLACK, SO THEY BEHAVE AS IF THEY ARE IN A SECURE, DARK ENVIRONMENT, WHEREAS STAFF CAN SEE THROUGH THE TRANSPARENT PLASTIC, MAKING DAILY CHECK EASIER.

**BENEFITS**

- **Flexibility**: Positive (for bioexclusion) and Negative (for biocontainment pressure mode settings)
- **Energy-efficient and Acoustic Comfort** due to the unique plenums design and EC motors
- **Optional innovative and dimmable LED lighting system**, with a daily/weekly timer, throughout the whole surface of each compartment
- **Optional reliable heating system** with uniform and efficient heat transfer.

<table>
<thead>
<tr>
<th><strong>EXTERNAL DIMENSIONS (WxDxH)</strong></th>
<th><strong>INTERNAL DIMENSIONS (WxDxH)</strong></th>
<th><strong>NUMBER OF COMPARTMENTS AND COMPARTMENTS HEIGHT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1000 x 810 x 1930 mm</td>
<td>940 x 680 x 1350 mm</td>
<td>4 compartments; 315 mm - 12&quot; 3/8</td>
</tr>
<tr>
<td>29&quot; 3/8 x 31&quot; 7/8 x 76’</td>
<td>37” x 26” 6/8 x 53” 1/8</td>
<td>5 compartments; 246 mm - 9’ 5/8</td>
</tr>
<tr>
<td>940 x 680 x 1350 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>37” x 26” 6/8 x 53” 1/8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Red doors: why?**
BUILDING INTEGRATED AIR FLOW SOLUTIONS

IVCs INTEGRATION SYSTEM:
- CREATE MORE SPACE IN YOUR IVC ROOMS
- CUT YOUR IVC RUNNING COSTS
- HUMIDITY AND VENTILATION CONTROL
- LESSEN THE IMPACT OF MAINTENANCE IN THE HOLDING ROOM
- WORKING PRESSURE MODE EASY TO SET
WHEN DESIGNING A NEW FACILITY, PROJECT TEAMS ARE LEFT WITH A CHOICE: IS IT BETTER BUILDING AN INNOVATIVE GREEN BUILDING FROM THE GROUND-UP, OR MAINTAINING THE STATUS QUO AND ADOPT A MORE TRADITIONAL SOLUTION?

A NEW WAY OF SAVING MONEY AND ENERGY, REDUCING EQUIPMENT AND MAINTENANCE TASKS IN THE ROOM, IS REPRESENTED BY BUILDING INTEGRATED AIRFLOW SOLUTIONS, WHICH COMBINE IVC’s AIR DELIVERY AND EXHAUST WITH THE BUILDING AIR HANDLING SYSTEM.

MULTI-FLOW IS THE NEW AIR HANDLING UNIT DUCTABLE FOR IVC’S INTEGRATION SYSTEM, SPECIFICALLY DESIGNED FOR RELIABILITY, HIGH PERFORMANCE, ENERGY EFFICIENCY, FOR INSTALLATION IN MEZZANINE WITH DUCTING SYSTEM.

MULTI FLOW

- Fan unit providing airflow to up to 14 single-sided racks
- The rack can be conditioned to RH 55%
- Condition the rack temperature
- Eliminate fans from the holding room
- Reduce energy consumption
- Maintenance outside the holding rooms
- Cost allocation moved from the equipment list to the building and maintenance budget

LET US HELP YOU TO DESIGN YOUR FACILITY!

THANKS TO OUR DEDICATED AND SKILLED PROJECT MANAGEMENT DEPARTMENT, WE CAN DEVELOP 3D FACILITY LAYOUTING TO BEST MEET OUR CUSTOMERS’ REQUIREMENTS
CONDITION YOUR RACK AIR
Constant humidity and temperature at cage level, ensuring that each cage keeps standardized settings for top animal health.

THE FAN BOX
Designed to provide best thermal and acoustic isolation, it is supplied in a modular form to improve maintenance process.

THE RACK CONNECTIONS
Quick fit hose points are provided at ceiling height to directly connect the racks to the supply and exhaust systems. The room can be provided with a pressure inverter to easily switch the pressure supplied to the racks from positive to negative, or vice versa.

KEEPING THE BEST STANDARDS
Multi-Flow meets and exceeds current regulations: the “Eurovent Certified Performance Certificate” assures that the equipment, its mechanical features and performance are compliant with energy specifications.

CONSTANT AIR FLOW REGULATORS
The CAR valve balances airflows in IVCs Rack Ventilation supply and exhaust air ductworks:
- Smart design Elastomer double lip-seal for better positioning and airtightness
- Multi-airflow: rotative ring for on-site airflow setting
- Recyclable, chlorine-free plastic with fire-resistance rating B-S3-d0 (Euroclass) S/S regulation spring