







EXPLORE TECNIPLAST COMPLETE RANGE OF LAMINAR FLOW SOLUTIONS: OUR CUTTING-EDGE TECHNOLOGY IS AT YOUR SERVICE, TO ASSURE TOP ENVIRONMENTAL, OPERATOR AND ANIMAL SAFETY.

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.

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CHANGING STATIONS



CS5 EVO



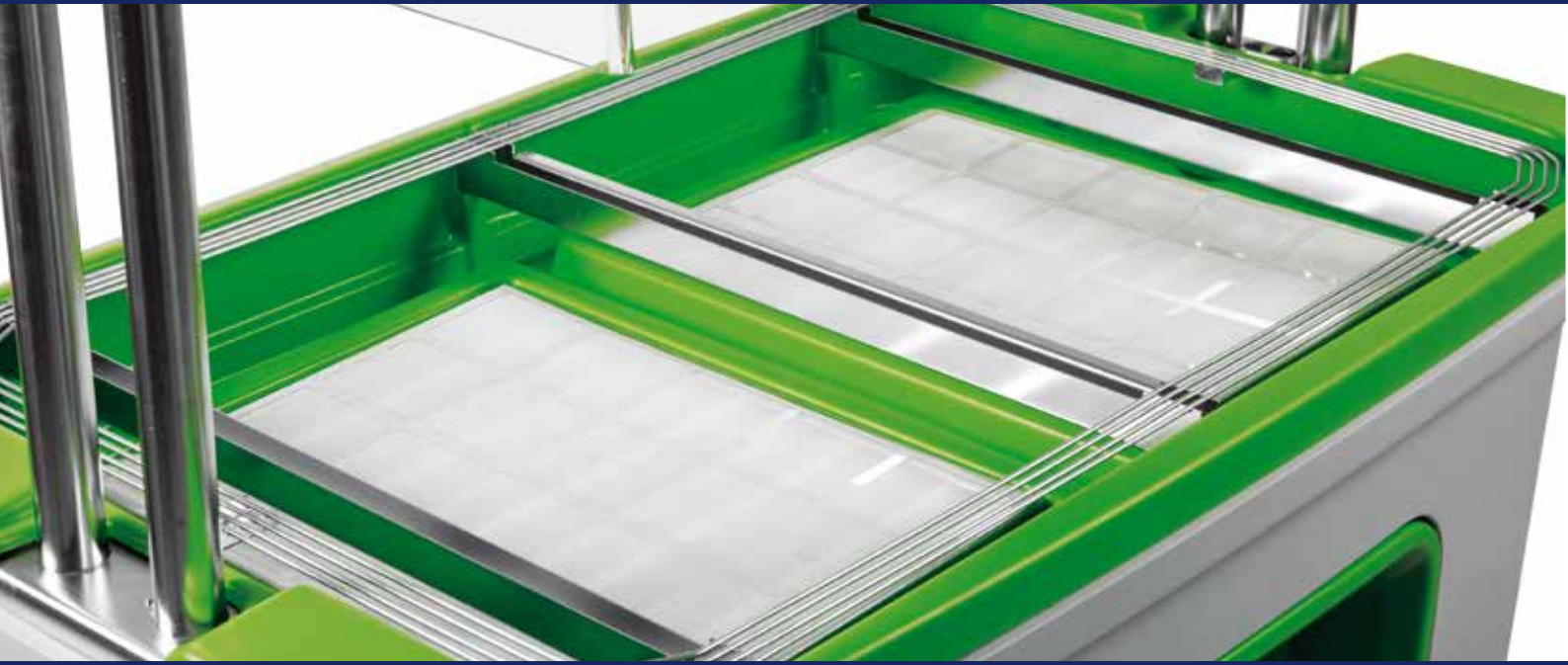
CS5 EVO PLUS



CS5 EVO GP

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.

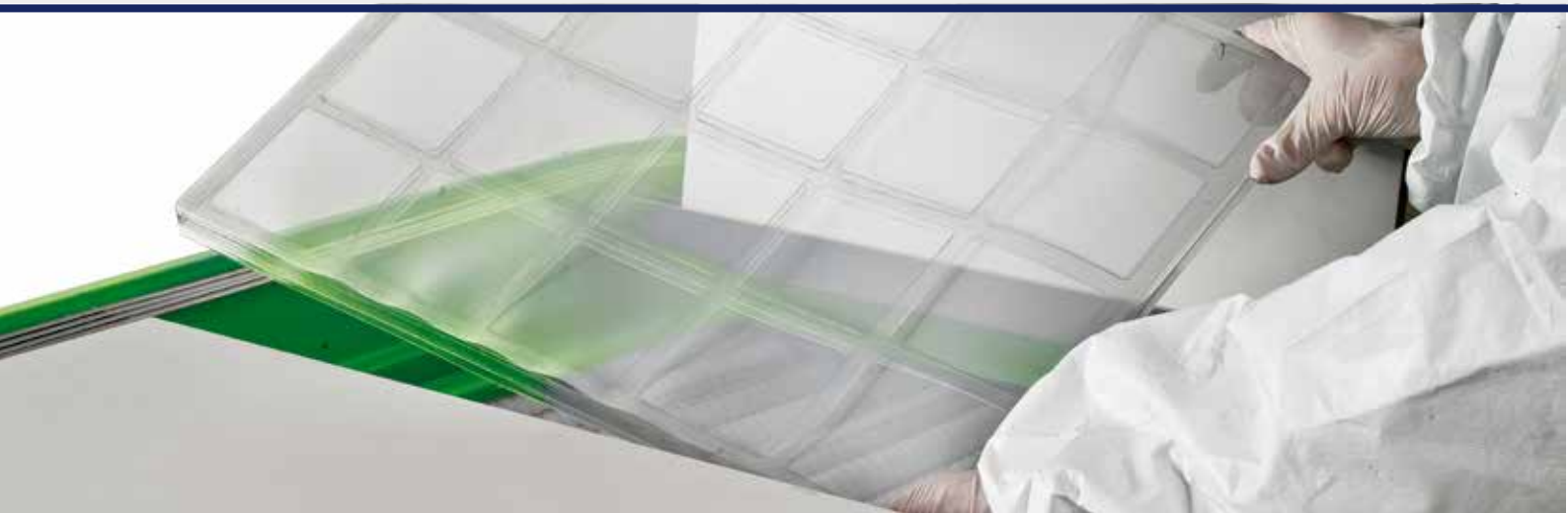
EXPLORE OUR OFFER: YOU'LL CERTAINLY FIND THE SOLUTION YOU'RE LOOKING FOR!



CS5 EVO - CS5 EVO PLUS

SURFACE WIDTH: 120cm - 48"

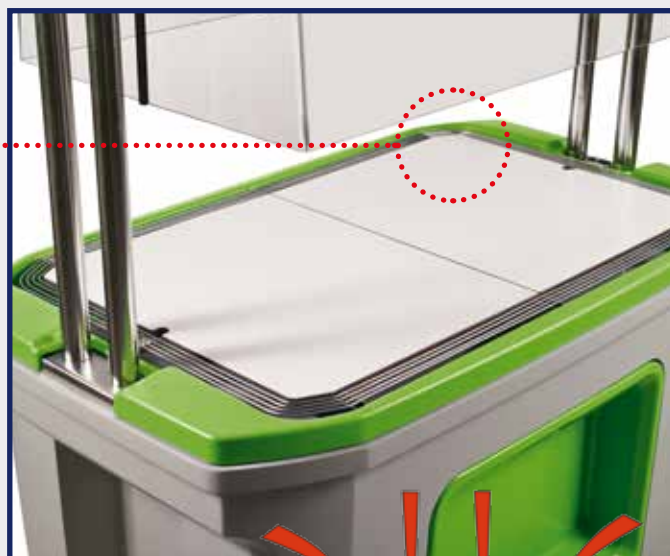
- High Efficiency air plenum design and Laminar Airflow Technology (ISO 4) preventing animals or products external and cross-contamination, protecting the environment from allergens and particulate emissions
- Ergonomic design: easy to move (only 178Kg/392lb); work surface height electrically adjustable for ergonomic comfort and operator convenience
- Sturdy construction and modern design
- Large work area for one or two operators
- Excellent air curtain performance to protect investigators and animal care takers from exposure to allergens which can cause occupational hazards
- The TRESPA® work surface is composed of two easily removable frames, built of sound-absorbent, anti-scratch, autoclavable material
- Acoustic comfort and high cleanability



HIGH CLEANABILITY



THANKS TO THEIR SUPERIOR VENTILATION SYSTEM AND AIRFLOW BALANCING TECHNOLOGY, TECNIPLAST CHANGING STATIONS PROVIDE TOP PERSONNEL, ENVIRONMENT AND PRODUCT PROTECTION DURING ANIMAL HANDLING PROCEDURES.

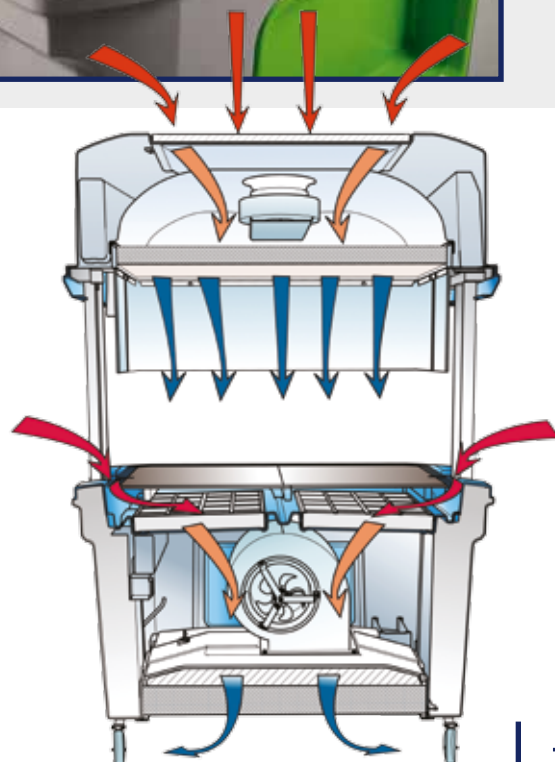


CS5 EVO GP

SURFACE WIDTH: 120cm - 48"

In addition to what offered by the EVO and EVO PLUS models, CS5 EVO GP features:

- DC EC Motor Technology for the best value in terms of lower energy costs, longer filter life, reduced noise and vibration, lower heat load emissions. This results in lower operating costs and short payback periods
- EC Motors provide the quietest solution for the animal facility where the noise factor must be taken into account





BIOSAFETY CABINETS



BS60



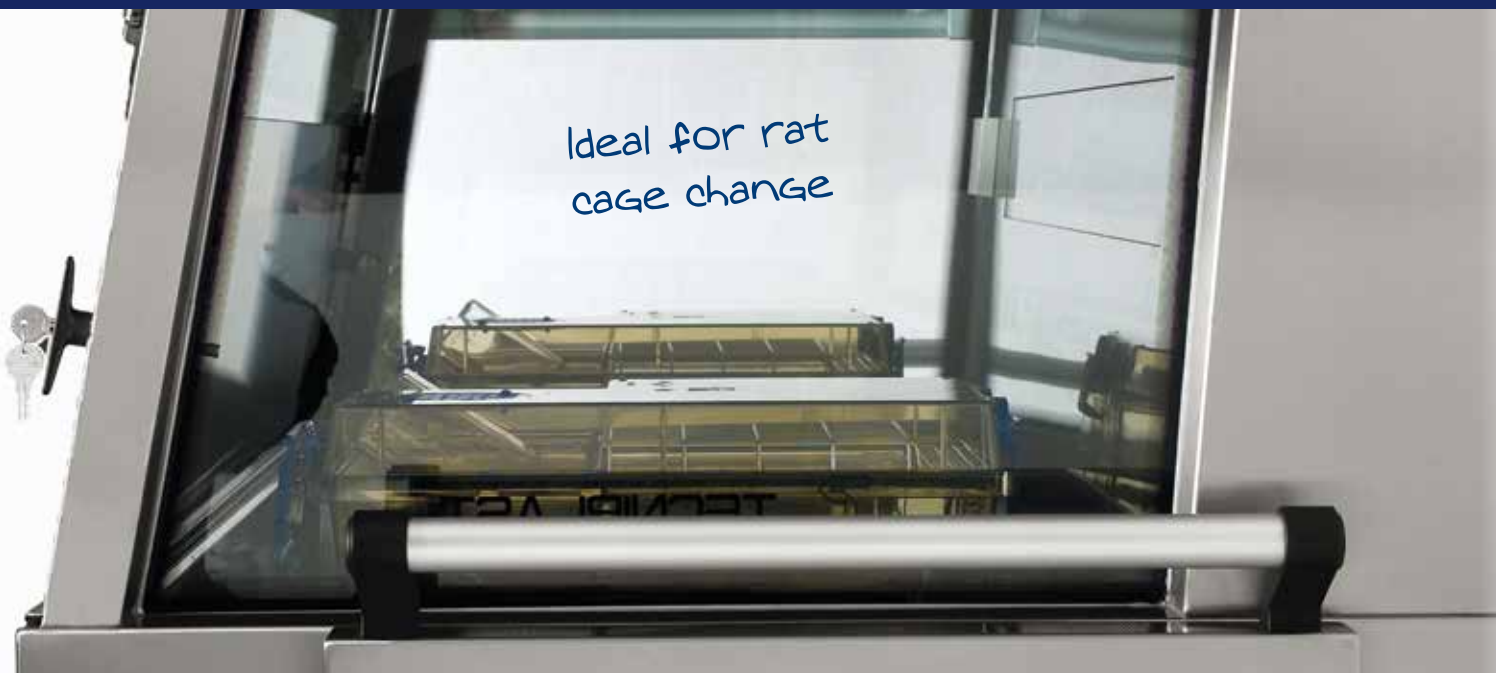
BSD60



IBS

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.



BS60 DOUBLE
CONFIGURATION FOR
ANIMAL RESEARCH
LABORATORIES:

- CLASS 2 BIOSAFETY CABINET
- CAGE CHANGING STATION

BS60

SURFACE WIDTH: 150cm - 60"

- Very large work area, ideal for rat cage changing
- The TRESPA® working surface is composed of three easily removable sound-absorbent, anti-scratch frames
- Opening access with a slanted glass panel with a 10° inclination for good visibility of the working surface and inside the cages
- Standard UV-C light with motorized swivelling panel
- Microprocessor control: soft touch electronic panel to monitor all equipment parameters
- BS60 is also available in Dual Configuration:
 - CLASS 2 BIOSAFETY CABINET - the speed of the frontal air barrier increases and the height access opening changes (250mm - 9" 7/8), so as to be compliant with EN 12469 norms for class II BSC;
 - CAGE CHANGING CONFIGURATION - the work surface is composed of two easily removable frames built in soundabsorbent, anti-scratch and autoclavable material. Height access opening: 290 mm - 11" 3/8.



INCREASED FLEXIBILITY AND COMFORT

BSD60

SURFACE WIDTH: 150cm - 60"

- Large working area and an automatic sash window ideal for cages with a large footprint
- Two different configurations: Cage Changing Station or Microbiological Cabinet in Class II Biohazard configuration
- Auto-lift working surface to help the operator to easily introduce and remove the cages
- Double centrifugal fans for total operator, product and environmental protection
- High cleanability and ergonomic design

BSD60 is specifically designed for Tecniplast Double Decker cages

TAKE A LOOK AT TECNIPLAST HOUSING - IVCs BROCHURE TO FIND OUT MORE



OPTIONAL AUTOCLAVE TRANSFER CHAMBER



IBS

SURFACE WIDTH: 150cm - 60"

- Purposely designed for research activity in ABSL3 Level to improve laboratory safety and process accuracy when infected animals are being handled
- IBS combines the performance of a Biohazard Class II Type A2 Cabinet and of a work station to assure top containment and protection of both personnel and environment from the inhalation of infectious particles, hazardous pathogens, dust and allergens during animal handling procedures
- IBS features a "Dunk Tank" connected on the right side of the cabinet. The tank is equipped with interlocked doors to maintain the barrier between dirty and clean sides preventing environmental contamination

Germ-free or
Gnotobiotic
animal models?

IBS GERM-FREE IS THE
SOLUTION YOU ARE
LOOKING FOR! CONTACT
US FOR FURTHER DETAILS



ISOcage
Biosafety Station
+
ISOcage
=
Tecniplast
ISOcage System

TAKE A LOOK AT TECNIPLAST
HOUSING - IVCs BROCHURE
TO FIND OUT MORE

- Soft touch control panel for constant monitoring of working conditions. A menu with diagnostics enables the operator to check the conditions of the HEPA filters and of the UV-C lamp, as well as receiving precise updates on scheduled maintenance
- High cleanability thanks to IBS rounded corners; easy access to the pre-filters housed below the TRESPA® removable panels
- Standard UV-C light with motorized swivelling panel
- Optional autoclave transfer chamber connected to the changing station by means of an air-tight double door.



DUNK TANK DISINFECTION SYSTEM



ALLERGEN CONTAINMENT



DS36L



DS72



DFB3
PLUS

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



EASE OF USE WITH THE SLIDING REDUCTION FUNNEL



DS36L

SURFACE WIDTH: 90cm - 36"

- Spacious working area, ideal for both small and large cages; maximum operator comfort thanks to the wide access opening in a compact design
- Waste bag trolley and sliding reduction funnel to simplify waste bag removal under operator's constant protection
- Two Levels of pre-filtration providing extended HEPA filter life
 - Microprocessor controls and safety alarms
 - Available accessories:
 - Polyethylene bin with S/S trolley
 - Stainless steel waste bag trolley with hinged opening for bag removal from the front

Do you want to further implement your bedding handling operations?

TAKE A LOOK AT IWT **BEDDING HANDLING** BROCHURE TO FIND OUT MORE





DS72

SURFACE WIDTH: 180cm - 72"

In addition to what offered by the DS36L model, DS72 features:

- Working area divided in two sides
 - one for carrying out the dumping of bedding and animal waste operations into dedicated containers;
 - the other for the positioning of the trolleys to hold cages and trays to be dumped
- Available accessories:
 - Mobile funnel for top operator comfort and protection
 - Stainless steel waste bag trolley with hinged opening
 - Lifter for dirty cages trolley





DFBS PLUS

- Down Flow Booth for manual cage cleaning and dirty bedding disposal
- Working area suitable for the cleaning of all large cage and tray sizes
- No physical barriers between the operator and the disposal funnel; protection is guaranteed by the vertical laminar airflow Class ISO 5 (ISO 14644-1)
- Filtration system: the upper filtration area is shielded by perforated diffuser panels in anodised aluminium
- Plenum: negative pressure design to prevent escape and/or by-pass of HEPA filter by contaminated air and/or dust
- PVC strip curtains (2 mm thick) to bound the equipment operating area
- Microprocessor Controls and Safety Alarms
- Optional integration with IWT Bedding Handling System for totally smooth and simple material disposal and dispensing operations, cutting operator's exposure and effort to a minimum



*Tecniplast cage lifters:
top safety and ergonomics*



- Available accessories:
 - Shredder to ensure material uniform cutting in size and weight, thus preventing clogging upstream of conveyance;
 - Different trolleys to effectively accommodate any type of load and cage sizes;
 - Other accessories available upon request



SAFE BARRIER SOLUTIONS



AIR
SHOWER



PT60



PASS THROUGH
BOX

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.



AIR SHOWER

The Air Shower is a system which allows the access and exit of operators between environments with different levels of contamination by removing polluting powders and particles

- High level of cleanliness thanks to 22 adjustable air nozzles to better direct the air flow
- Average air speed: 30 m/s
- All surfaces are made of AISI 304 with scotch brite finishing for easy cleaning and product duration over time
- HEPA filter with H13 MPPS efficiency in accordance with EN 1822. Filter access from the interior ceiling for easy maintenance
- Doors made of clear anodized aluminium; tempered glass provided with electric locking system guarantees high visibility and low noise level
- Door interlocks located in the two door-jambes at the entrance and exit ways. The dirty side lock automatically releases in case of power cut loss or when the Emergency Stop button is pushed
- Emergency Stop buttons inside and outside the Air Shower, on both sides, close to the entrance doors for maximum safety
- Interior ceiling with a fluorescent light for optimal and uniform lighting
- PLC to control operations sequence



What about
hand disinfectants
for top hygiene?

APUS, TECNIPLAST
AUTOMATIC ATOMIZER
FOR NO-CONTACT HAND
DISINFECTION, SPRAYS
PRECISE DOSES OF
DISINFECTANT.

SAFETY IS OUR MUST!

PT60

SAFE TRANSFER OF ANIMALS

Designed to receive animals from a non-controlled environment to a controlled one

- Ideal for managing a large number of animals with high levels of safety and protection
- PT60 features a laminar flow pass box (ISO 5 class) and a bio-safety cabinet for mouse and rat cage changing
- The pass-through box can be positioned on both sides of the Biosafety Changing Station
- The door interlocking system prevents loss of pressure balance between the two separate environments
- A fan positioned above the pass-through chamber re-circulates HEPA-filtered air and distributes it inside the pass box as a uniform laminar flow, thus creating a barrier between the Biosafety Changing Station and the environment
- Two models available
 - TYPE "A" PASS-THROUGH BOX with one door only;
 - TYPE "B" PASS-THROUGH BOX with two interlocked doors
- PT60 can also be used for all cage changing operations

PASS THROUGH BOX

SAFE TRANSFER OF ANIMALS AND TOOLS

For transfers between zones with different levels of contamination

- AISI 304L scotch bright finishing stainless steel panels, with two 8mm tempered glass doors. Two interlocking electrically operated doors ensure the separation of the two environments
- Removable tray for cleaning operations
- On both sides a green light shows when the door can be opened by pressing the button
- Working procedure:
 - The first operator pushes the button to open the door on side "A"; the interlocking device automatically keeps the other door on side "B" locked. The items are inserted and the first operator closes the door.
 - On side "B" the green light switches on: the second operator can now push the button and open the door to take the items. In this phase the door on side "A" is locked.



 **TECNIPLAST**
innovation through passion

HEADQUARTERS

ITALY | Tel. +39 0332 809711 · www.tecniplast.it · E-mail: tecnicom@tecniplast.it; venditeitalia@tecniplast.it

SISTER COMPANIES

AUSTRALIA/NEW ZEALAND | Tel. + 61 2 8845 6500 · www.tecniplast.it · E-mail: info@tecniplast.com.au

CHINA | Tel. + 86 (0)21 50810920 · www.tecniplast.cn · E-mail: tecniplastchina@tecniplast.it

FRANCE | Tél. +33 (0)4 72 52 94 41 · www.tecniplast.fr · E-mail: info@tecniplast.fr

GERMANY | Tel. +49 (0)8805 921320 · www.tecniplast.de · E-mail: info@tecniplast.de

UNITED KINGDOM | Tel. + 44 (0)845 0504556 · www.tecniplast.it · E-mail: info@tecniplastuk.com

JAPAN | Tel. +81 (0)3 5770 5375 · www.tecniplast.it · E-mail: info@tecniplastjapan.co.jp

USA | Toll Free: +1 877.669.2243 · www.tecniplastusa.com · E-mail: info@tecniplastusa.com

CANADA | Toll Free: +1 855.347.8718 · www.tecniplastcanada.com · E-mail: info@tecniplastcanada.com

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