



Housing

*The ISOcage System*

- Protection - hepa filter allows safe working
- Safety First - unique locking system
- Flexibility - save space and cost with multiple studies on a rack
- Hermetic cage maintains consistent negative pressure ensuring biocontainment



**ISOcage**<sup>TM</sup>

*"The ISO cage offers a high level of safety for the operators and allows you to increase the number of research studies carried out at the same time on the same rack".*

**TECNIPLAST**<sup>®</sup>  
*innovation through passion*<sup>SM</sup>

## 1/Hepa filter protection at cage level

Total biocontainment guaranteed: the hepa filter on the exhaust valve provides double filtration for the contaminated air in addition to the pre-filter.

## 2/Safety thanks to closure clamps

The Isocage features twin clamps on the sides to evenly and securely distribute the closing pressure on the airtight seal. The clamps also feature safety buttons preventing incorrect closure and accidental opening: biocontainment is ensured.

## 3/Hermetic cage for true biocontainment

The ISOcage is the first hermetic ventilated cage and working at a highly consistent negative pressure and it is able to maintain the pressure mode when disconnected from the ventilating rack.

## 4/Total and constant protection for the operator

In addition to being a hermetic cage, the ISOcage maintains negative pressure because of the soft silicone seal positioned between the cage top and cage bottom, shaped uniquely to give the very best containment.

## 5/Flexibility of research compared to standard isolators

With the ISOcage cage rack you can have at your disposal up to 72 individually ventilated cages, allowing you to conduct multiple studies on one rack saving you space and money.

## 6/ISOSlim Unit

The air handling unit is an integral part of the ISOcage and is suspended and locked on to the rack. The airhandling unit is removable for washing/autoclaving of the rack. The unit is also provided with a soft touch screen and UPS which allows you to maintain negative pressure and consistent protection in any situation. It also features a pre-filter and hepa filter both on the supply and exhaust to maintain biocontainment protection.

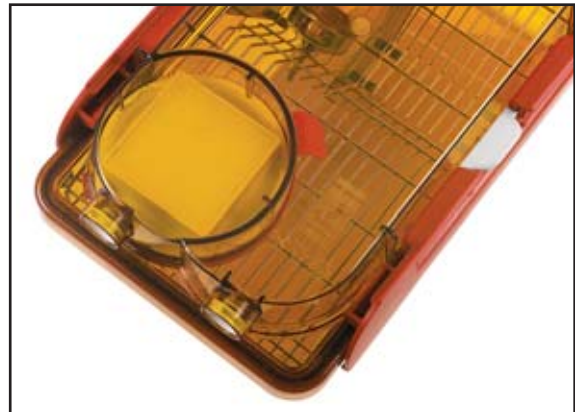
## 7/ Cage Self-Locking System (CSS) & Visual Docking Indicator

This unique cage locking system ensures each cage stops and locks silently into place automatically and almost effortlessly! The rack runners have built-in stoppers that are molded exactly to the stopping lug for a secure connection. What's more when a cage is correctly in place on the rack, the flag disappears from view: so no flag, no problem!



The ISOcage™ is Tecniplast's answer to the requirements of ABSL3 users in terms of safety and flexibility. The total biocontainment concept typical of Isolators technology is moved at IVC cage level fusing the advantages of the two technologies. This innovative move forward removes the disadvantages of ergonomics, space requirements protection associated with traditional isolators therefore saving you space and money. It also ensures that you maintain a very high level of protection for your team and the environment, with certainly no compromises.

### Hepa filter protection at cage level



### Safety thanks to closure clamps



Hermetic cage for true biocontainment

3



Total and constant protection for the operator

4



Flexibility of research compared to standard isolators

5



TECHNICAL SHEET

ISOcage Overall dimensions (W x D x H):  
390 x 215 x 190 mm / 15.35 x 8.465 x 7.48 inch.

Floor area:  
504 cm<sup>2</sup> / 78.12 inch<sup>2</sup>.

2ISO12 - N. of ISOcages: 12  
Side(s): Single

ISOcage Unit Overall dimensions (W x D x H):  
1070 x 630 x 1435 (1351) mm. / 42.13 x 24.8 x 56.5 (53.19) inch.

2ISO30CP - N. of ISOcages: 30  
Side(s): Single

ISOcage Unit Overall dimensions (W x D x H):  
1710 x 550 x 1958 (1428) mm. / 67.32 x 21.65 x 77.09 (56.22) inch.

2ISO36CP - N. of ISOcages: 36  
Side(s): Single

ISOcage Unit Overall dimensions (W x D x H):  
1710 x 550 x 1958 (1428) mm. / 67.32 x 21.65 x 77.09 (56.22) inch.

2ISO60CP - N. of ISOcages: 60  
Side(s): Double

ISOcage Unit Overall dimensions (W x D x H):  
1710 x 880 x 1958 (1428) mm. / 67.32 x 34.65 x 77.09 (56.22) inch.

2ISO72CP - N. of ISOcages: 72  
Side(s): Double

ISOcage Unit Overall dimensions (W x D x H):  
1710 x 880 x 1958 (1428) mm. / 67.32 x 34.65 x 77.09 (56.22) inch.

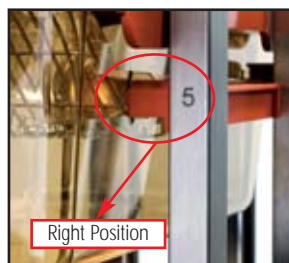
ISOSlim Unit

6



Cage Self-Locking System (CSS) & Visual Docking Indicator

7



## Accessories

Stainless steel adaptor for water pouch to fit inside the standard wire bar lid.

## Related Products

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



### ISOmini

Small ISOcage unit when the autoclave is small, for small laboratories with infectious diseases, for quarantine purposes and as a transport trolley.



**ISOcage Biosafety Station Class II Laminar Flow** that guarantees protection to operator, environment and content during ISOcage changing procedures.



### BS48

TÜV certified Class II Laminar Flow Cabinet

 **TECNIPLAST**

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