



# FLEXIBLE ISOLATORS ISOLATION CHAMBERS



LAMSYSTEMS is manufacturer of isolation chambers for flexible isolators of different configuration, dimensions and complete set, depending on the conditions of use.

## ISOLATION CHAMBERS (ICH)

are used for protection of the operator and the environment when handling OEL1 – OEL5 products.

ICH is the product for individual design. The configuration and complete set of ICH depend on the shape of the frame, features of the process and are agreed at the stage of creation of the technical specification.

ICH can maintain production conditions of GMP with low humidity and low oxygen content (< 10 %).



### INDIVIDUAL DESIGN:

- the fastener for attaching the camera to the frame;
- the quantity and location of elements;
- dimension and configuration of the chamber.

**FLEXIBLE ISOLATORS** are used in pharmaceutical and chemical industry. It is provided the safe operation with the toxic agents, including:

- weighing, grinding and dispense operations,
- transportation in the drums,
- aseptic treatment of small desktop equipment such as mills, sieves and blenders.

Manufacturing of the customized chambers in accordance with customer's requirements.

Also it is possible the manufacture of the fully-featured workplaces with control and maintenance system of specified air parameters with both positive and negative pressure inside the chambers.



## THE PARTS OF ISOLATION CHAMBERS FOR FLEXIBLE ISOLATORS:



HEPA-FILTER  
for purification  
of supply  
and exhaust air



GASTIGHT ZIPPER  
provides the fully  
sealed, excluding  
the pressure loss  
inside the chamber



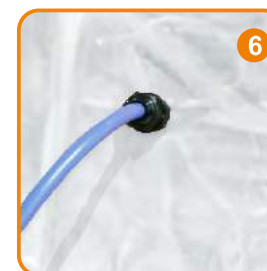
GLOVE PORTS WITH  
ASEPTIC GLOVE  
REPLACEMENT  
for the safe  
manipulations  
with the materials  
and the tools



PASS SLUICE  
for the safe unloading  
and loading of  
materials and  
equipment



HOSE FITTING  
AND AIR REMOVAL  
for creation  
the necessary air  
environment parameters  
inside the camera



SEALED LEAD-IN  
for fitting  
the sensors  
of the equipment  
and gas-air mixture  
to the chamber



VENTILATION MODULE  
for automatically  
maintain the specified  
pressure



CONTINUOUS LINERS  
assure the safe and  
effective transfer of  
powders, giving operators  
the ability to fill multiple  
drums without breaking  
containment

Quantity and location of elements are specified by customer's requirements.



#### ADVANTAGES:

- only certified materials that do not contain phthalates;
- easy installation and disinfection;
- the gloves aseptic replacement system in glove ports;
- the maintaining positive and negative pressure;
- the protection of the operator from the product harmful effects;
- the protection of the product from harmful environmental effects;
- the clear visibility during operation;
- the installation of filters of the required efficiency classes;
- control of tightness and specified parameters at the stage of output control;
- the possibility of manufacturing connecting elements and fittings of various configurations on own milling area.



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