



turning ideas into solutions

**MECALAB**

**CONTAINMENT TECHNOLOGY**



*MECALAB IS THE ISOLATOR DIVISION OF MBRAUN*

**PICTURE BOOK**

# Containment Isolator Development and Production

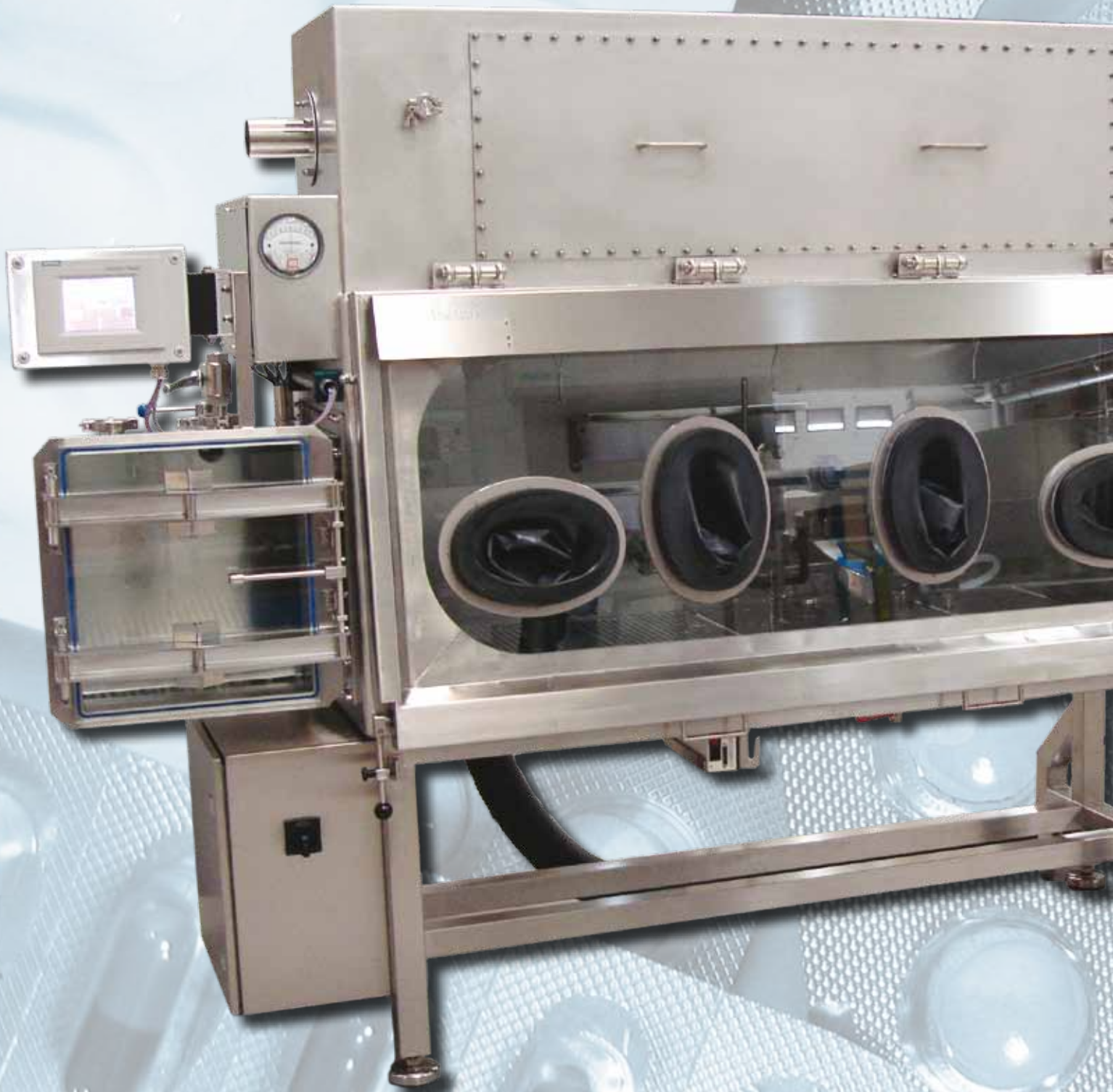


Standard isolator system  
pictured above

# ors for Research oduction

Mecalab containment isolator systems are specifically designed to meet your application requirements. Our systems are located all over the world and help in developing the latest drug discoveries. Mecalab can design and manufacture a complete system solution for all your research, development and production needs.





# Sterility Test Isolator

with Integrated Unidirectional Flow



- Individual peroxide steam sterilization for the isolator and the transfer chambers
- Controlled and regulated positive pressure
- Controlled and regulated unidirectional flow (Laminar-Flow)

# Isolators for Open

- For work with biologically active or radioactive materials
- Regulated negative pressure & filtration through multiple HEPA & charcoal filters
- Transfer chamber with integrated UV-light source
- Integrated wash tank with external filling / draining possibility
- Safe waste exit by a liner system (bag out)



# erator Protection



Isolator with double Push-Push safe change filters for work with high potent drugs or carcinogen samples.



- Filter dryer connection for safe discharging of the product and harvesting the residual layer
- Controlled and regulated negative pressure
- Automatic leak test



# Isolators for Connection to Filter Dryers



- Constant inert gas flow
- Explosion proof setup for production areas
- Discharging of the filter dryer and direct portioning or packing of the drug in a liner system or barrel
- RTP for sampling purposes

# Product and Oper

for OEL 3 and OEL 4 Products



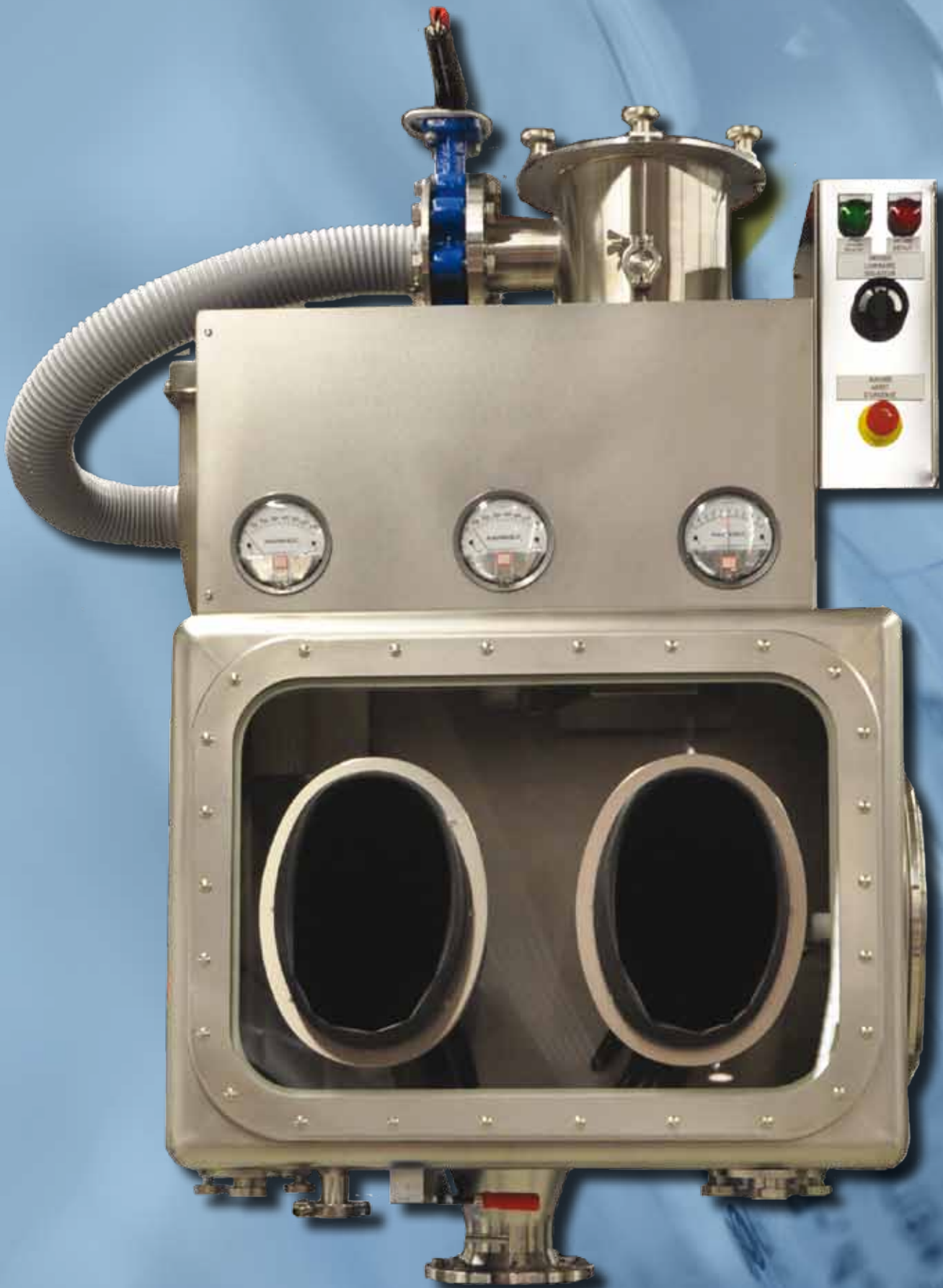
- Two individually controlled isolator chambers with transfer door
- Automatic cleaning in place (CIP) and manual wash in place (WIP) systems
- Integrated freeze dryer
- Gas and liquid supply systems

# ator Protection



Mecalab isolators are designed to meet your specific application requirements. Containment Isolator systems can be equipped with sterilization units, transfer chambers, WIP equipment, unidirectional flow, handling systems, PLC touch screen controllers, drainage systems and much more.

# Isolators for Reactor Charging



# Isolator Details and Accessories



**Transfer chamber door with wash tank and filter**



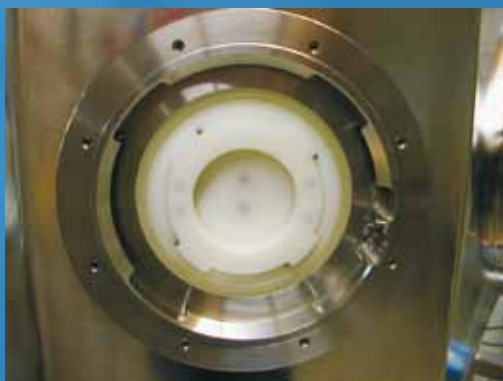
**Glove test equipment (integrity tester)**



**Floor integrated liner system**



**Push-Push Filter**



**α/β-port outside view**



**α/β-port inside view**

# Pictures of Past



# Isolator Projects



Isolator for research and development  
of OEL 4 drugs

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