



Pharma- und Elektro-  
technik-Anlagenbau  
GmbH

Experts in clean room technology  
and equipment of individually  
designed laboratories

**product brochure**

**hydrogen peroxide gas generators,  
gas distribution systems, locks,  
air showers, isolators, gas-tight doors,  
catalysts**

# hydrogen peroxide gas generators

The hydrogen peroxide procedure is the perfect method for safe and environmental friendly surface disinfection.

High quality, quick delivery capability and unproblematic service make our gas generators of the „Geschko“ product line the best of their class.

The devices are built for you in our factory in Neuwied. They are available as standard versions or according to your requirements. There are no limits regarding the variability of size, performance and cycle time.

Whether mobile or permanently integrated – our Geschko meets every task and challenge!



Short cycle times, fully automatic procedure and process monitoring, pharmaceutically compliant design and a high safety standard – all of these aspects are also going to convince you to become a satisfied customer.



## catalysts

PEA catalysts are used for a quick degradation of hydrogen peroxide. They provide the opportunity to make the high performance capacity of our hydrogen peroxide gas generators even more efficient.

Thereby, your premises can be put into operation faster and your workflow gets optimized.

The size of the catalysts determines their efficiency!



## gas distribution system



The mobile gas distribution system of the product line LiRo quickly distributes the hydrogen peroxide gas in the room.

The system is connected to the hydrogen peroxide gas generator and supports its work.

Part of the LiRo is a strong, integrated fan and a variable number of outlet nozzles. The gas distribution gets strongly accelerated and helps the gas to reach difficult accessible places without problems!

Inside of the LiRo one of our catalysts does its work, to ensure a quick degradation of gas concentration at the end of the decontamination cycle.

## gas-tight doors

Our gas-tight doors are built in at ground level and do not only assure you the safe closure of a room, but also guarantee a threshold-free transfer of material.

Pneumatic seals, which are automatically activated after closing the door ensure 100% safety!

The compressed air seals are rolled inwards at pressure-less conditions and thereby protected against damaging. The doors are SPS controlled. Signal lamps on both sides show whether the door is open or closed.

Our gas-tight doors are also available with safety glass, as sliding doors and even as automatically opening doors!



## air showers



The problem of particle transfer by persons entering or exiting the clean-room can be solved by our PEA air showers.

The diagonal top down rotation air flow cleans all particles off of the visitor and leads them into a filter system. Through this way the air gets sanitised and is then lead back to the chamber.

An advantage of the PEA system is the unitized structure, which also enables its usage as a sterilizable sluice.

The air showers are available for all purity classes.

# isolators

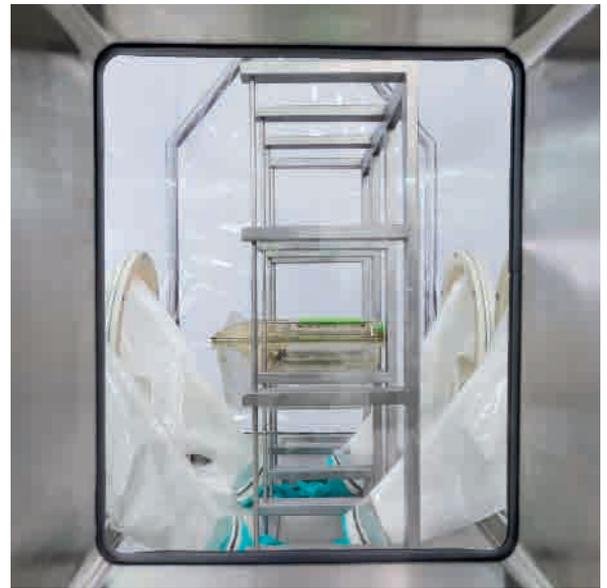
PEA GmbH produces isolators for diverse applications.

Some isolators are used to protect laboratories from sources of infection and can also be used as a quarantine site.

Other isolators are used to protect the production of sterile products against contamination.

Cytostatics-isolators protect persons that work with toxic substances.

Quality control isolators are mostly used for sterility testing.



# locks

Protection of clean rooms against contamination as well as protection of staff and environment is an important division of our company!

PEA locks are available in different versions. Starting at smaller transfer hatches, which can also be integrated into a big lock and extending to mobile locks – the construction is always according to your guidelines!

Decontamination can also be done by a connected or integrated hydrogen peroxide gas generator. Alternatively there are also dip tank locks or spraying locks for the use of different decontamination products available.



## validation and decontamination service

An important aspect of our range of services is the validation. Our specially trained employees discuss your wishes and goals previously and then continue to develop an implementation plan!

After a successful validation you will receive an extensive protocol containing all parameters in detail. This ensures a problem-free revalidation at all times.

If you need to decontaminate your rooms, we will be happy to do that for you.

Our specialists will come to your site and make sure your rooms are usable again!

If you wish, we will gladly lend you one of our gas generators!

**we look forward to hearing from you!**





If you require further information regarding the products and installations shown in this product, we will gladly send you the data sheets!

**Development**

**Service**

**Implementation**

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