



# Cleanroom Positive Pressure Isolators PPI

Reliable working under sterile conditions

## Positive Pressure Isolators PPI

are ideally suited for the processing of pharmaceutical products in hospital pharmacies and laboratories, such as the preparation of TPN/CIVAS. They ensure the simultaneous protection of the product, personnel, and the environment.

A very high level of product protection is achieved through laminar airflow within the workspace via H14 HEPA filters and operation under positive pressure from +30 to +100 Pa.

The system also features modular, optional double-sided transfer hatches for the efficient entry and exit of the processed products.

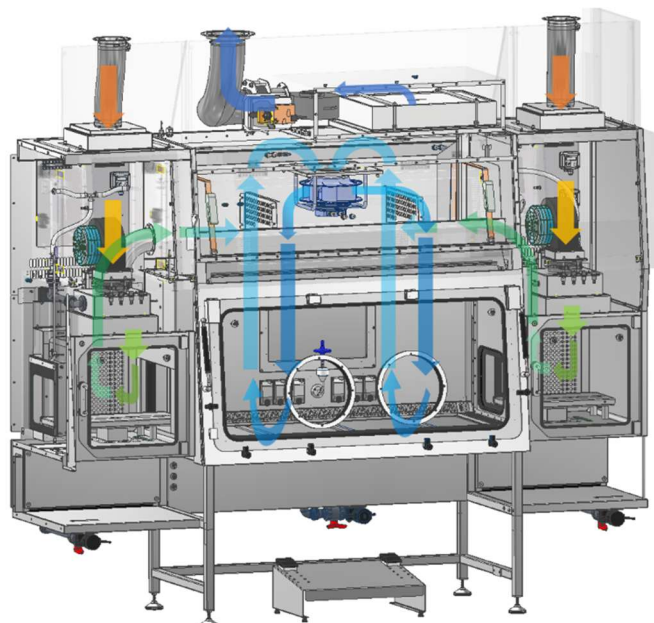
## Key Features

- ▶ Aseptic preparation of parenterals (TPN/CIVAS), IV solutions, eye drops, etc., sterility testing, stem cell therapies
- ▶ Cleanroom class within the isolator chamber ISO 5 / Grade A throughout the entire working area (installation room Class D)
- ▶ Laminar Flow (Unidirectional Flow) 0,45 m/s  $\pm$ 20%
- ▶ Automatic pressure decay test according to ISO 14644-7
- ▶ Optional integrated d-VAP H<sub>2</sub>O<sub>2</sub> generator to ensure automatic, reproducible decontamination processes (up to log 6 reduction)
- ▶ Optional catalyst for faster decomposition of H<sub>2</sub>O<sub>2</sub>
- ▶ Sterile glove change system
- ▶ DEHS filter test ports accessible from the front



### Legend:

- Supply air
- Single HEPA-filtered supply air
- Double-filtered supply air in the transfer hatch
- HEPA-filtered exhaust air
- HEPA-filtered return recirculating air
- Double HEPA-filtered laminar flow
- HEPA-filtered exhaust air



Technical Data, Equipment, and Options

| Model                                                       | PPI-2H2S                                | PPI-2H2S-L                          | PPI-4H2S                            |
|-------------------------------------------------------------|-----------------------------------------|-------------------------------------|-------------------------------------|
| Total external dimensions with 2 hatches WxHxD (mm)         | 2550x2490x960                           | 2850x2490x960                       | 3150x2490x960                       |
| External dimensions of isolator WxHxD (mm)                  | 1300x2490x960                           | 1600x2490x960                       | 1900x2490x960                       |
| Internal dimensions of isolator WxHxD (mm)                  | 1194x695x735                            | 1494x695x735                        | 1994x695x735                        |
| Net weight (kg)                                             | 750                                     | 850                                 | 950                                 |
| Internal transfer door WxH (mm)                             | 325x270                                 |                                     |                                     |
| Outer casing / Working chamber                              | 1.4301 (AISI 304) / 1.4404 (AISI 316L)  |                                     |                                     |
| Number of sleeves (PU 0.25 mm) / Ø mm                       | 2 / 300                                 | 2 / 300                             | 4 / 300                             |
| Sleeve openings (mm) approx. height / distance              | 1100 / 450                              | 1100 / 550                          | 1100 / 550                          |
| Power Consumption 230 V / 50 Hz (W)                         | 2200                                    | 2200                                | 2600                                |
| Airflow                                                     | 70% Recirculating air / 30% Exhaust air |                                     |                                     |
| Exhaust air volume (m³/h) max.                              | 360                                     |                                     |                                     |
| Noise level dB(A)                                           | 60                                      |                                     |                                     |
| Chamber pressure relative to ambient (Pa)                   | + 30 to +100                            |                                     |                                     |
| Inner hatch doors as electric sliding glass door            | <input checked="" type="checkbox"/>     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Manual transfer table                                       | <input checked="" type="checkbox"/>     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Electric/automatic transfer tables                          | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Isokinetic probe in the workspace without particle counter  | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Sterilizing gas line 1" and valves for H2O2 decontamination | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Multi-use function: Positive/Negative pressure              | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |
| IP65 double socket in the workspace                         | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |
| IT connection (USB, RS232, RJ45, 24V DC)                    | <input type="checkbox"/>                | <input type="checkbox"/>            | <input type="checkbox"/>            |

100 Jahre excellence in the development, manufacturing, distribution, and qualification of equipment and systems for laboratory, pharmaceutical, and cleanroom technology



☒ Standard | ☐ Option | - not available

   MADE IN GERMANY

March 2026 - Subject to technical modifications without notice