Cleanroom Positive Pressure Isolators PPI

Reliable working under sterile conditions

Positive Pressure Isolators PPI



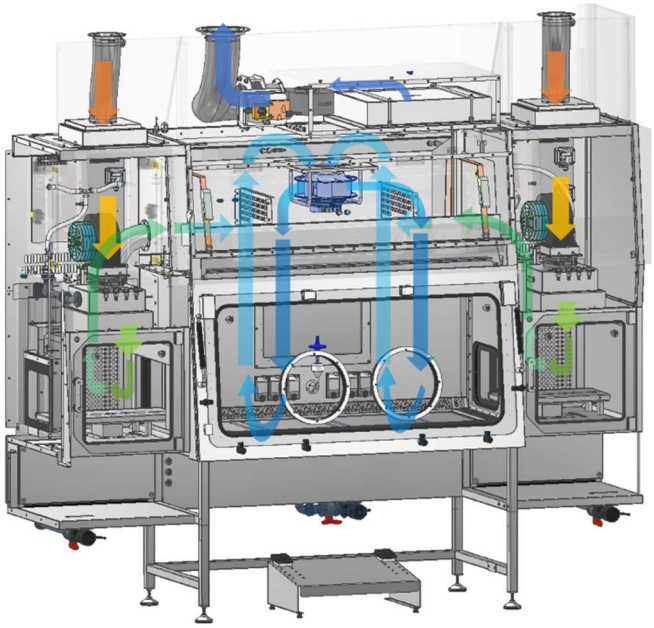
are ideally suited for the processing of pharmaceutical products in hospital pharmacies and laboratories, such as the preparation of TPN/CIVAS. They ensure the simultaneous protection of the product, personnel, and the environment.

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 ±20%
- Automatic pressure decay test according to ISO 14644-7
- Optional integrated d-VAP H_2O_2 generator to ensure automatic, reproducible decontamination processes (up to log 6 reduction)
- Optional catalyst for faster decomposition of H_2O_2Sterile 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

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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)	1196x735x650	1496x735x650	1796x735x650
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	■	■	■
Manual transfer table	■	■	■
Electric/automatic transfer tables	□	□	□
Isokinetic probe in the workspace without particle counter	□	□	□
Sterilizing gas line 1" and valves for H2O2 decontamination	□	□	□
Multi-use function: Positive/Negative pressure	□	□	□
IP65 double socket in the workspace	□	□	□
IT connection (USB, RS232, RJ45, 24V DC)	□	□	□

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■ Standard | □ Option - not available

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