

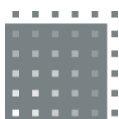


H₂O₂ Hatch



DK-101

- Hatch for the aseptic transfer of material in pharmaceutical processes according to GMP guidelines
- Hydrogen peroxide sterilisation
- Very good cleanability of the entire hatch achieved by rounded corners
- Loading / unloading side equipped with ergonomically designed, large-scale glass doors made of toughened safety glass
- Pneumatic door seals monitored by pressure switches, with additional safety tumblers of the doors
- Ergonomic principles considered for high user acceptance
- Highest user and product protection
- Switchgear cabinet for electrics / pneumatics with VHP generator, PLC and batch record printer integrated in overall design
- Complete system, suitable for wall installation
- Optional top / bottom trolley technique with docking mechanism and trackage system
- Optional connection of communication processor to SCADA system via Profibus or Ethernet
- Siemens SPS S 7 300 controls with two OP 77 (sterile and unsterile side), communication with H₂O₂ generator
- Safety standards and precision as per DIN EN ISO / VDE
- Tested, proved and documented quality





Labor- und Pharmatechnik

Model	DK-101
Air shroud	turbulent (GMP Grade B), positive pressure
Outer dimensions (mm) wxhxd ca.	1466x2668x1693
Inner dimensions (mm) wxhxd ca.	776x1341x1649
Volume (l) ca.	1719
Pack size / gross weight	On request, depending on desired equipment
Net weight (kg)	950
Total loading capacity (kg) ca.	150
Electric connection (V / Hz)	400 / 50
Electric power (W)	3500
Supply / exhaust air connections	DN 100
Compressed air connection	6bars, oil-/grease-free, pharmaceutical quality
Compressor for the supply of air in pharmaceutical quality	<input type="checkbox"/>
Housing	Stainless steel AISI 316 L / 316 Ti brushed
Chamber	Stainless steel AISI 316 L / 316 Ti
Chamber roughness (μm)	<0,8
Bottom trolley stainless steel AISI 316 L / 316 Ti	<input type="checkbox"/>
Top trolley stainless steel AISI 316 L / 316 Ti	<input type="checkbox"/>
Number of shelves x loading capacity per shelf (kg)	2 x 40
Shelf construction	Perforated stainless steel plate AISI 316 L / 316 Ti
HEPA filter (supply + exhaust air): filter class / performance (%) / particle size (μm)	H14 / 99.995 / 0.3
Chamber illumination	<input type="checkbox"/>
Validation port (TriClamp, onesided) within engineering area of the hatch	<input checked="" type="checkbox"/>
HEPA filter (supply + exhaust air): dimensions (mm) wxhxd	305x610x66
Sterilisation unit Steris VHP-M-100S	<input checked="" type="checkbox"/>
Separate supply und exhaust air blowers	<input checked="" type="checkbox"/>
Gas-tight ventilation dampers with position checkback signal	<input checked="" type="checkbox"/>
H ₂ O ₂ MAC monitoring	<input type="checkbox"/>
H ₂ O ₂ sensors set for the chamber	<input type="checkbox"/>
Reciprocal door interlock	<input checked="" type="checkbox"/>
Filter monitoring (supply / exhaust air) via pressure switches	<input checked="" type="checkbox"/>
Differential pressure load cell for internal pressure 0 – 500 Pa	<input checked="" type="checkbox"/>
Flow sensor in supply air to measure the air exchange rate	<input checked="" type="checkbox"/>
Air volume normal operation (m ³ /h) ca.	100
Air volume purging mode (m ³ /h) ca.	200
SAL on surface	10 ⁻⁶
Noise level (db A)	≤ 68
Pressure door seal (bars) ca.	1.3
Tightness classification as per ISO 10648-2:1994	3
Standard documentation of the unit / controls	<input checked="" type="checkbox"/>
GMP-compliant qualification (FAT)	<input checked="" type="checkbox"/>
GMP-compliant qualification (SAT)	<input type="checkbox"/>

June/12 Technical alterations reserved.

(■ = standard; □ = option)