



Material Hatches DK

Safe and fast material transfer under sterile conditions

EHRET Material Hatches DK

are developed, designed, and manufactured in accordance with FDA, EU and US GMP guidelines. Individual customer requirements can be easily implemented through a modular design.

The Transfer Hatches can be used for the fully automated disinfection or decontamination of objects and materials / organisms prior to transfer into a cleanroom laboratory.

Key Features

- ▶ Fully automated disinfection or decontamination of objects prior to material transfer between different cleanroom classes or different Biosafety Levels (BSL)
- ▶ Operable from both sides – mutual door interlocking
- ▶ Pass-through or drive-through design
- ▶ Optional with upper and lower transport trolleys
- ▶ Disinfection optional with peracetic acid (PAA) or Wofasteril ®
- ▶ H₂O₂ decontamination with integrated dVAp generator
- ▶ High operational safety due to pneumatically inflatable door seals
- ▶ Sizing according to customer requirements – flexible design through in-house engineering and manufacturing
- ▶ Manufactured from stainless steel 1.4404 (AISI 316L), interior workspace brushed with Ra < 0.8 µm
- ▶ HEPA filters H14 with filter monitoring
- ▶ Safety standards according to DIN EN ISO / VDE
- ▶ Tested, proven, and documented quality



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Technical Data, Equipment and Options

Model	DK500-PES	DK101
Disinfection process	Spray disinfection	H ₂ O ₂ decontamination / fumigation
Log reduction	SAL 10 ⁻³ / 10 ⁻⁴	SAL 10 ⁻⁵ / 10 ⁻⁶
Decontaminating agent	Paracetic acid (PAA) / Wofasteril® (H ₂ O ₂)	Hydrogen peroxide (H ₂ O ₂)
Disinfectant storage	Integrated disinfectant tank	Integrated / stand alone sterilization unit
External dimensions WxHxD (mm)	840 x 2300 x 800	1500 x 2650 x 1650
Workspace dimensions WxHxD (mm)	700 x 1000 x 700	800 x 1350 x 1630
Volumen (L) approx.	500	1750
Net weight (kg) approx.	850	950
Electrical connection / Power (V / Hz / W)	400 / 50 / 1500	400 / 50 / 3500
Perforated stainless steel trays	2 units - Material 1.4404 (AISI 316 L)	
Tray load capacity (kg)	40	
Exhaust air volume (m ³ /h) max.	400	
Noise level dB(A)	< 65	
PLC and display	Siemens SIMATIC S7-1500 with TouchPanel HMI TP900 Comfort	
Ultrasonic atomizer	☐	-
Interior lighting	☐	☐
Temperature control	☐	☐
H ₂ O ₂ -HC and LC Sensors	☐	☐
H ₂ O ₂ -catalytic converter	☐	☐
Standard Documentation / (FAT) EHRET-Standard	■ / ■	■ / ■
GAMP5 Compliance: Basic documentation	☐	☐
GAMP5 Compliance: Extended Documentation	☐	☐
Design Qualification (DQ)	☐	☐
Installation Qualification (IQ)	☐	☐
Operational Qualification (OQ)	☐	☐
Site Acceptance Test (SAT)	☐	☐

■ Standard | □ Option | - nicht Verfügbar

MADE IN GERMANY