



Material hatches from **clean-tek** – the proven solution



MD active material hatch

Material hatches are used for introducing and removing materials between clean rooms of different cleanliness classes. The **clean-tek** material hatch is designed for wall installation at balustrade height or installation at ground level.

An active air system provides uniform throughflow of the chamber with filtered supply air. The hatch works independently to the existing ventilation system. The material hatch frame consists of a torsionally rigid two-shell design,

made of brushed stainless steel inside and out. The doors are positioned opposite each other and, if required, are aligned right/right, left/right or left/left. The door leaf also consists of a double design and is always supplied glazed with 2 x 6 mm of float glass. The door seal is made from silicone material.

The overall construction is designed to be as smooth as possible on the inside and outside and is therefore easy to clean.

A radial fan with maintenance-free EC motor and reverse curved blades ensures the necessary air circulation mode. Thanks to variable speed control, the fan can be re-adjusted, for example, in the case of filter contamination.

Supply air is blown into the chambers via a high-efficiency particulate air filter which can be removed in a downwards motion. The return air is discharged from the bottom of the hatch chamber on both sides and is returned to the fan in a channel system.

The filter is removed in a downwards motion. Test connections for the DEHS test are integrated. When it comes to monitoring filter contamination, an analogue differential pressure manometer is installed.



Material hatch from **clean-tek** installed in GMP 50 wall



MD active material hatch

Technical data

- EC fan, power < 0.2 kW
- Filter class H14, can be removed in downwards motion
- Test connections for DOP test
- Analogue differential pressure manometer
- Doors mutually electrically interlocked
- Open/closed status indicator via traffic light control
- clean-tek ILS-2 interlocking device
- Locking time adjustable from 0 to 570 sec.
- Floating contact for emergency opening (e.g. for alarm signalling at DDC, siren, etc.)
- Fire alarm contact: Unlocking of the hatch in the event of a fire
- Operating voltage 24 V +/- 2 V (DC) / 1 A
- Voltage connection 230 V / 50 Hz
- Test connections (DEHS test equipment)

Standard sizes (L x H x D in mm)

External dimensions	Chamber size
690 x 790 x 500	500 x 600 x 400
790 x 790 x 600	600 x 600 x 500
790 x 990 x 700	600 x 800 x 600
990 x 990 x 800	800 x 800 x 700

Special sizes upon request

