



## Description

To extract air flows from a cleanroom, ventilation grilles and exhaust air ducts are integrated between the wall elements or behind the wall elements. The ventilation grilles are installed flush with the cleanroom partition system. As an option, the exhaust shaft can be provided with one or two exhaust air grilles. Various types of ventilation grilles are available, e.g. adjustable grilles as well as grilles for radiation protection requirements or fluff grilles. If necessary, the grilles can be removed without need for tools.

In areas with high dust formation, filter cassettes can be integrated which are to be changed from the room side. A connection point for the components of involved building ventilation systems is created above the cleanroom ceiling.

If there is a requirement to clean the inside of the shaft, an inspection door can be integrated flush with the wall element across the entire width of the shaft.

### Types available

Standard	Option
Steel sheet galvanized	Inspection door
Stainless steel (surface grinded and brushed)	Exhaust filter (filter class ISO ePM10 ≥ 50 % – H14)
Flush integration in wall panel	Integrated in partition system (between wall panels)
All Lindner ventilation grilles can be integrated	Powder coated in colour matching wall
Exhaust grill can be replaced without need for tools	
Exhaust grill sealed with sealant	

### Technical Data

Available dimensions:		
Width	min. 200 mm	max. 1100 mm
Depth	min. 50 mm	max. 500 mm
Design basis		
Air velocity in the exhaust shaft normally 4 m/s		
Inflow velocity ventilation grille normally 2 m/s		