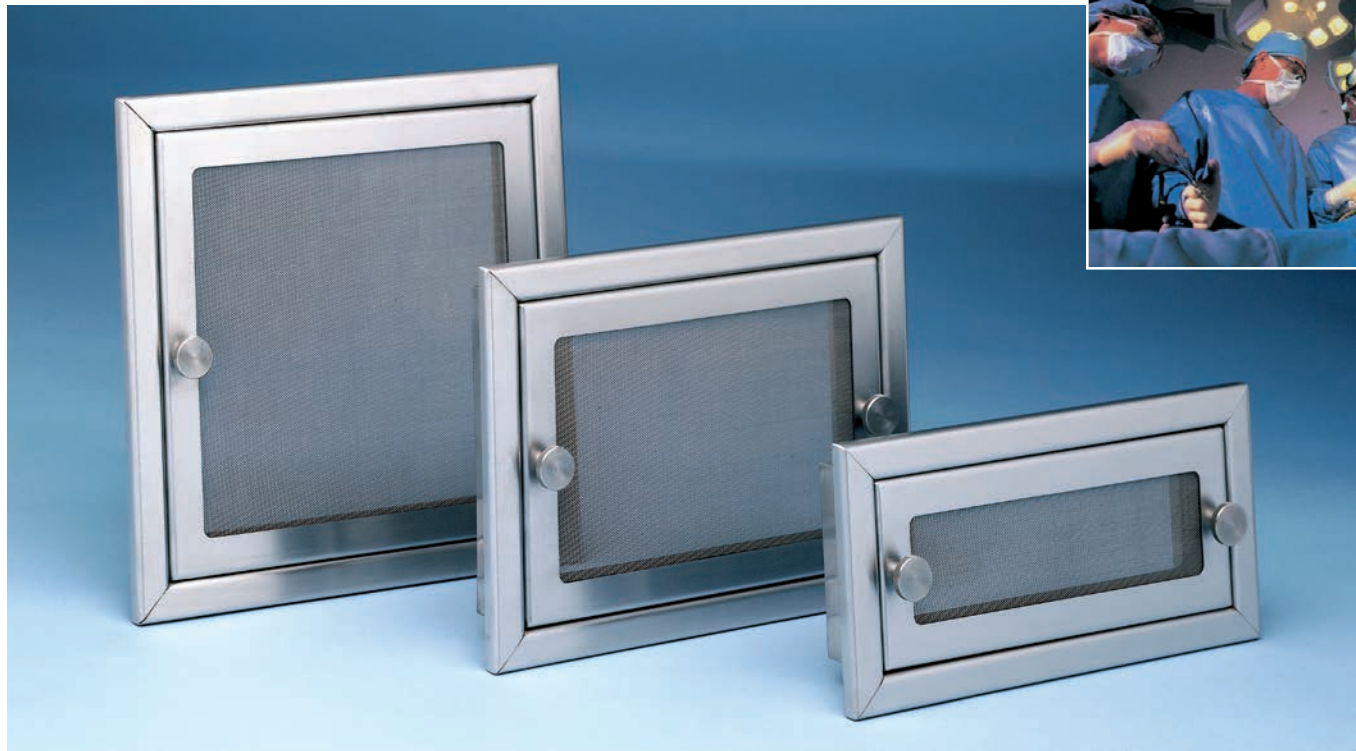


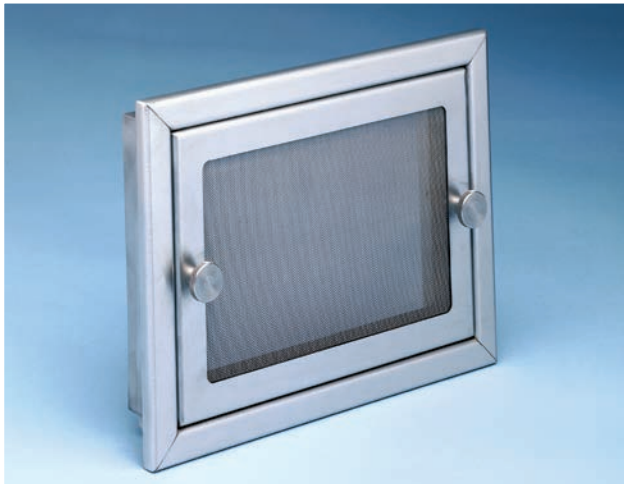
# VENTILATION COMPONENTS FOR CLEANROOM AREAS

## THE AIR IS CLEAN. FOR SURE!

Clean air as a crucial success factor. Our air is interspersed with fine dirt and dust particles. In many sectors this needs no further mention, provided it does not have a negative impact on quality of life. It's a different situation in areas where clean air is crucial to the desired results. Clean air can be vital particularly in the medical sector. Operations that take place in contaminated air constitute an enormous health risk. When it comes to the success of surgery or recovery of patients, operating theatres, clinics and hospitals depend on reliable filter technology. The same applies for modern production facilities in the pharmaceutical, microelectronic and semi-conductor industries. Clean rooms are prerequisite for the manufacture of sensitive products.



The air is interspersed with fine dirt and dust particles. In some sectors this poses significant risks to the production quality or can influence quality of life. SL particulate filters in SÜDLUFT ventilation shafts provide remedy here.

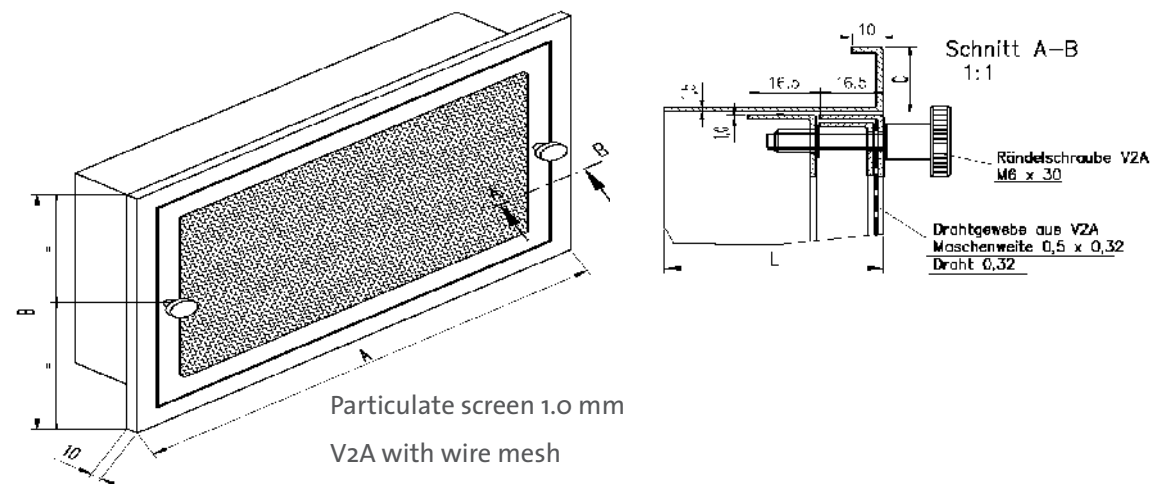


The robust stainless steel frames of the particulate filter are worked from one piece and backed with a tight wire mesh pursuant to DIN ISO 4783. Mesh size 0.5 x 0.32 mm. The mounting frame is secured by solid stainless steel knurled screws (20 mm border, plus 10 mm support). SL particular filters meet the requirements of DIN 1946, Part 4.

SELECTION TABLE - NOMINAL AIR FLOW VOLUME

Height (Dimension B) in mm	Width (Dimension A) in mm					
	225	325	425	525	625	725
125	58 m³/h	98 m³/h	140 m³/h	180 m³/h	220 m³/h	262 m³/h
225	190 m³/h	325 m³/h	450 m³/h	580 m³/h	705 m³/h	838 m³/h
325	325 m³/h	540 m³/h	760 m³/h	980 m³/h	1200 m³/h	1430 m³/h
425	450 m³/h	760 m³/h	1075 m³/h	1380 m³/h	1700 m³/h	2005 m³/h
525	580 m³/h	980 m³/h	1380 m³/h	1780 m³/h	2180 m³/h	2885 m³/h
625	705 m³/h	1200 m³/h	1700 m³/h	2180 m³/h	2670 m³/h	3164 m³/h
725	838 m³/h	1430 m³/h	2005 m³/h	2885 m³/h	3164 m³/h	3745 m³/h
825	975 m³/h	1645 m³/h	2315 m³/h	2986 m³/h	3655 m³/h	4325 m³/h

Mounting depth L = variable 40 - 120 mm, dimension C = 20 mm, indicated air flow-rate refers to 2.5 m/s Inflow velocity in mounting dimension with max. 25 Pa pressure drop in clean state.



An operation door with stainless steel hinges and turn bolt is located on the front of the visible stainless steel suction duct with brushed, ground welded seams. This allows simple cleaning of the fully-accessible interior. The duct is fitted with two particulate filters: the lower mounted by bending, the upper with mounting flange. The standard sheet thickness is 1.0 - 1.5 mm. Various mounting versions are available for tiled or plaster walls.

The system can be individually adapted to the conditions of each room.

With SÜDLUFT your requirements and requests are in the best hands.





# SÜDLUFT

SYSTEMTECHNIK

## SL PARTICULATE FILTERS: PURE QUALITY!

- ✓ Highest quality materials and workmanship of all components
- ✓ For efficient cleaning action today and tomorrow
- ✓ Top functionality, easy to clean
- ✓ Also compatible with existing systems

SÜDLUFT quality and SÜDLUFT expertise:  
an unbeatable combination!