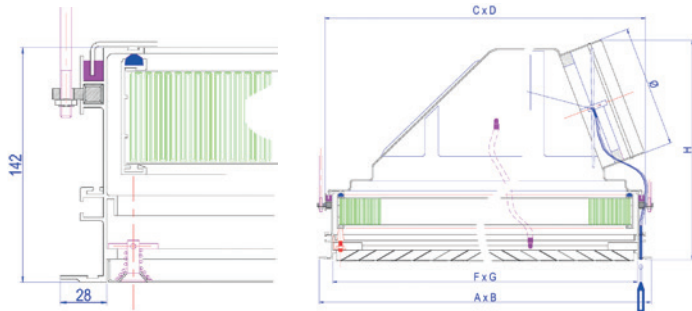


EFFICIENT AIR FILTRATION IN CLEANROOMS

CEILING AIR OUTLETS FOR HEPA AND ULPA FILTERS – WITH CEILING CONNECTION PROFILE

DIMENSIONS



The application

Viledon® filter ceiling air outlets are used for intake and recirculated air filtration of cleanrooms and air-conditioning systems with ultra-stringent requirements for clean air quality and sterility, e.g.

- in sophisticated air-conditioning technology (operating theaters/intensive care units in hospitals and medical institutes, labs, pharmacies, sterile rooms, research centers, etc.)
- in highly sensitive industrial processes (pharmaceuticals, biotechnology, chemicals, optics, food and beverage processing, micro-electronics, etc.)

The special features and benefits

- The outlet housing consists of an extruded, anodized aluminum frame and usually of a deep-drawn plastic plenum made of polystyrene and cast in an airtight configuration, with round connection piece on the side. On request also available with a metal plenum and a connection at the top/side.
- The housings feature clamping devices for the filter elements and a port for measuring the raw gas concentration and the operational pressure drop.
- Viledon® ceiling air outlets meet all hygiene requirements of the German VDI Guideline 6022 “Hygiene require-

ments for HVAC systems”.

- The construction is extremely solid and moisture-resistant.
- Easy handling and mounting, thanks to low weight and high twist strength.
- Filter replacement, cleaning and maintenance can be simply performed from the clean-air-side.
- On request also available with integrated control and stop valve.
- Associated filter elements must be ordered separately. The ceiling air outlets are suitable for Viledon® HEPA and ULPA filters with a 68 or 88 mm deep aluminum frame and a foamed-on seal.

ARTICLE	PLENUM MATERIAL		DIMENSIONS MATCHING FILTERS W×L×D [mm]	DIMENSIONS CEILING AIR OUTLETS [mm]							
	PLASTIC	GALVANIZED STEEL		A	B	C	D	F	G	H	Ø
SFDLA-CA-0380x0380x355	x	x	305×305×68 88	□ 380	355	355	323	323	355	200	
SFDLA-CA-0380x0685x380	x	x	305×610×68 88	380	685	355	660	323	628	380	200
SFDLA-CA-0532x0532x390	x	x	457×457×68 88	□ 532	507	507	475	475	390	250	
SFDLA-CA-0620x0620x410	x	x	545×545×68 88	□ 620	595	595	563	563	410	250	
SFDLA-CA-0685x0685x420	x	x	610×610×68 88	□ 685	660	660	628	628	420	250	
SFDLA-CA-0685x0990x430		x	610×915×68 88	685	990	660	965	628	933	430	250
SFDLA-CA-0620x1230x440	x	x	545×1,155×68 88	620	1,230	595	1,205	563	1,173	440	250
SFDLA-CA-0685x1295x450	x	x	610×1,220×68 88	685	1,295	660	1,270	628	1,238	450	250
SFDLA-CA-0837x0837x450		x	762×762×68 88	□ 837	812	812	780	780	450	250	

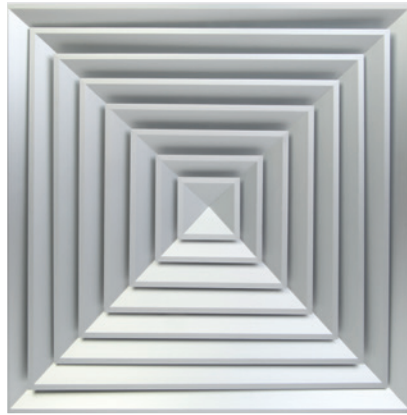
AVAILABLE DIFFUSORS



Vortex flow outlet

with adjustable air guide elements

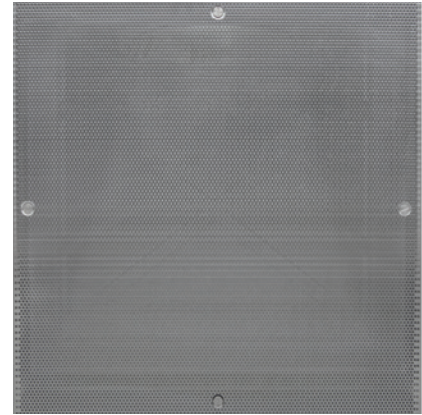
- EV = powder-coated steel sheeting, RAL 9010 (only available in square dimensions)



Rectangular outlet

with fixed-position guide fins

- LA = anodized aluminum
- LV = powder-coated, RAL 9010



Perforated-plate diffuser

for low-turbulence displacement flow

- FA = anodized aluminum
- FV = powder-coated, RAL 9010
- FX = stainless steel

Item code

SFDLA – CA – 0620 × 0620 × 410 × EV – O – 250 – O – T

▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

1 2 3 4 5 6 7 8 9 10

1 Ceiling air outlet

2 Frame material:

Aluminium frame with ceiling connection profile

CA = anodized

CV = powder-coated, RAL 9010

3 Frame width [mm]: 4 digits

4 Frame length [mm]: 4 digits

5 Frame depth [mm]: 3 digits

6 Diffuser:

E = vortex flow outlet (EV)

L = rectangular outlet (LA, LV)

F = perforated-plate diffuser (FA, FV, FX)

7 Plenum material:

O = plastic

Z = galvanized steel sheet

V = powder-coated, RAL 9010

8 Diameter of the connection nozzle [mm]: 3 digits

9 Connection:

O = on the side, round

R = on the side, rectangular

S = on the top, round

10 Options:

O = no further options

T = with integrated control and stop valve, 1 piece

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations.

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