

Ceiling diffuser with pre-filter APF

Application

It is designed for the installation in rooms with special requirements (computer centres, libraries, and archives).

Description

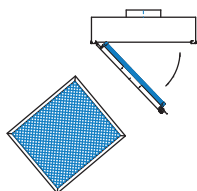
Swirl diffuser with the pre-filter consists of the filter housing and the 20 mm diameter filter cartridge, which is installed into the housing. Filter cartridge must be replaced, when the pressure drop increases. Filter is available in quality range G3 to M5.

Material and surface protection

Diffuser and diffuser mounting frame are made of cold rolled steel and coloured in RAL 9010. Plenum box is made of galvanized sheet steel.

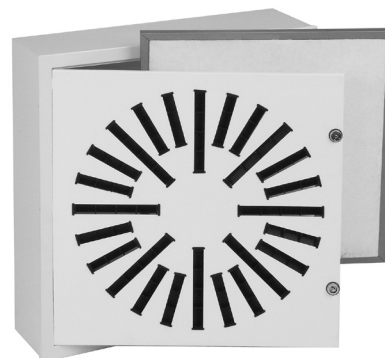
Filter replacement

When replacing the filter, first release the locks and lower the diffuser into vertical position. Draw out the congested filter insert and replace it with a new one of the same quality. Return the diffuser into its original position and fasten it with the locks.



Installation

The diffuser is designed for the installation in raster ceiling structures with 600 x 600 partitions.



Front plate types

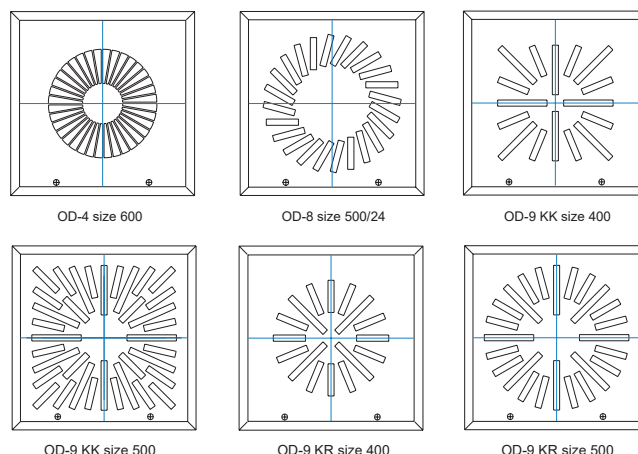
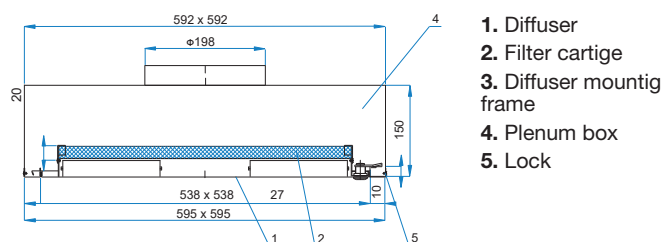


Fig. 1: Overview



Quick selection

Front plate types	A_{ef} (m ²)	Δp (Pa)		Δp (Pa)		
		Q (m ³ /h)	G3	Q (m ³ /h)	G4	M5
OD-4 size 600	0.0138	100	55	50	28	58
OD-4 size 600	0.028392	200	53	100	28	55
OD-9/KK size 400	0.0248	180	55	80	22	42
OD-9/KK size 500	0.0517	400	65	190	25	60
OD-9/KR size 400	0.0248	180	55	80	22	42
OD-9/KR size 500	0.0392	280	55	140	25	55

Ordering key

APF / M5 / OD-9KR (size) / RAL

1	2	3	4
1 Type			
APF			
2 Filter			
G3	≥ 80 % ... average arrestance EN 779:2011		
G4	≥ 90 %		
M5	≥ 40 % ... efficiency EN 779:2011		
3 Diffuser			
OD-4(600)	OD-4 ... size 600		
OD-8(500/24)	OD-8 ... size 500/24		
OD-9KR(400)	OD-9KR ... size 400		
OD-9KR(500)	OD-9KR ... size 500		
OD-9KK(400)	OD-9KK ... size 400		
OD-9KK(500)	OD-9KK ... size 500		
4 Finish			
RAL	Standard color RAL 9010		

Note:

Filter is included in APF housing and must be ordered separately.