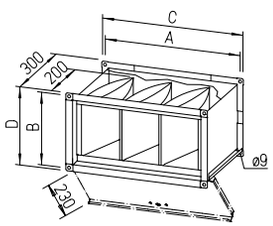
KLF G4[1], filter class ISO Coarse 70 % (G4)



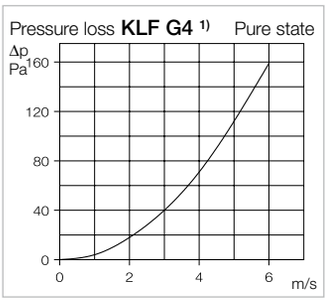
KLF F7[2) 3)], filter class ISO ePM$_1$ 50 % (F7) and ISO ePM$_{2.5}$ 65 % (F7)



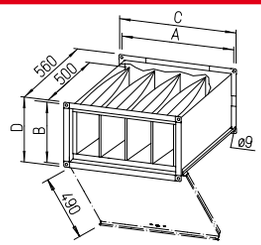
Dimensions KLF G4[1]



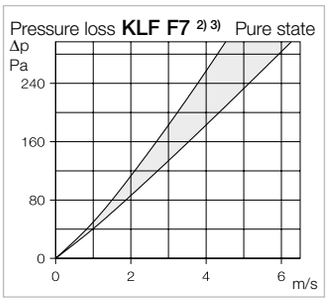
Dim. in mm see table



Dimensions KLF F7[2) 3)]



Dim. in mm see table



Rectangular duct filter KLF
Air filter with double-sided connection flanges for installation in rectangular duct system.

Casing
Made of galvanised steel sheet. Hinged or removable cover using quick-release catches for filter removal.

Bag filter-cartridge
Filter frame in galvanised steel sheet. Large filter bags for high dust absorption.

Types KLF G4[1] with filter class ISO Coarse 70 % (G4), made of renewable synthetic fibre, heavily reinforced, 190 g/m^2. DIN 53438 F1, self-extinguishing. Dust absorption: 354 g/m^2.

Types KLF F7[2) 3)] with filter class ISO ePM$_1$ 50 % (F7) and ISO ePM$_{2.5}$ 65 % (F7), made of synthetic plastic, DIN 53438 F1, self-extinguishing. Dust absorption: 88.6 g/m^2.

Reference
The integration of air filters in class ISO ePM$_1$ 50 % (F7) and ISO ePM$_{2.5}$ 65 % (F7) and differential pressure switches DDS (Ref. no. 00445) in intake air systems fulfils the requirements of VDI 6022.

Installation
Can be installed horizontally and vertically (air direction from top to bottom) in rectangular duct systems.
Allow clearance according to the specified dimension for filter removal. When space is limited, the cover can be removed without tools and with an opening angle > 45°.

Cleaning
Depending on the system, filter replacement is required if the initial pressure loss is exceeded by around 1.5-2 times.
The filter frame can be easily removed when the casing cover is open. Insert filter frame using guide after cleaning or replacement; the filter frame will be automatically pressed firmly against the casing seal by closing the cover.

Replacement filter cartridges
In case of signs of degradation, cleaning, the filter cartridge must be replaced with a new one. See table for order information.

Pressure loss
Air filters create resistance according to the diagrams above; the grey shaded area shows the resistances of the different sizes. These must be taken into account for fan dimensioning.

Accessories

Differential pressure switch
DDS Ref. no. 00445
Complete installation set for monitoring air filters.
Measurement range: 50 – 500 Pa.

Type	Ref. no.	Compatible w/ rect. duct fan NS cm	Dimensions A	B	C	D	Weight aprx. kg	Replacement filter cartridges (shipping unit = 2 pcs) Type	Ref. no.
Rectangular duct air filter KLF G4[1], filter class ISO Coarse 70 % (G4)									
KLF 40/20 Coarse 70%	08720	40/20	420	220	440	240	4.5	**EKLF 40/20 Coarse 70%**	08724
KLF 50/25-30 Coarse 70%	08721	50/25-30	520	270/320	540	340	6.0	**EKLF 50/25-30 Coarse 70%**	08725
KLF 60/30-35 Coarse 70%	08722	60/30-35	620	320/370	640	390	7.0	**EKLF 60/30-35 Coarse 70%**	08726
KLF 70/40 Coarse 70%	08723	70/40	720	420	740	440	8.5	**EKLF 70/40 Coarse 70%**	08727
KLF 80/50 Coarse 70%	08670	80/50	820	520	840	540	13.0	**EKLF 80/50 Coarse 70%**	08673
KLF 100/50 Coarse 70%	08671	100/50	1020	520	1040	540	15.0	**EKLF 100/50 Coarse 70%**	08674
Rectangular duct air filter KLF F7[2) 3)], filter class ISO ePM$_1$ 50% (F7) and ISO ePM$_{2.5}$ 65% (F7)									
KLF 40/20 ePM1 50%	08644	40/20	420	220	440	240	6.5	**EKLF 40/20 ePM1 50%**	08635
KLF 50/25-30 ePM1 50%	08645	50/25-30	520	270/320	540	340	8.5	**EKLF 50/25-30 ePM1 50%**	08636
KLF 60/30-35 ePM2.5 65%	08646	60/30-35	620	320/370	640	390	10.5	**EKLF 60/30-35 ePM2.5 65%**	08637
KLF 70/40 ePM1 50%	08647	70/40	720	420	740	440	13.5	**EKLF 70/40 ePM1 50%**	08638
KLF 80/50 ePM1 50%	08654	80/50	820	520	840	540	20.5	**EKLF 80/50 ePM1 50%**	08639
KLF 100/50 ePM2.5 65%	08655	100/50	1020	520	1040	540	24.0	**EKLF 100/50 ePM2.5 65%**	08659

[1] ISO Coarse 70 % [2] ISO ePM$_1$ 50 % [3] ISO ePM$_{2.5}$ 65 %