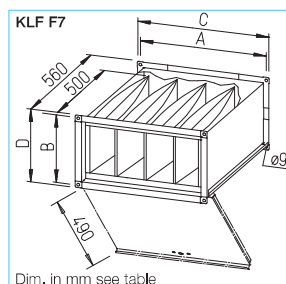
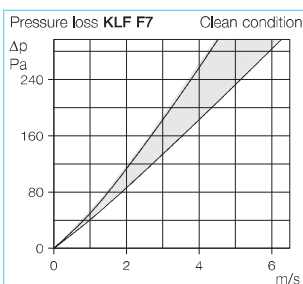
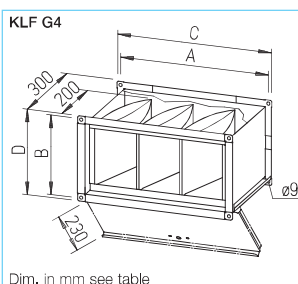
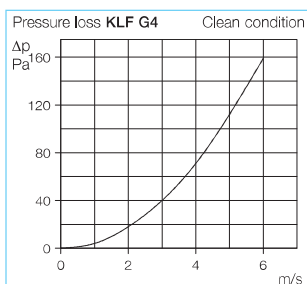


KLF G4, filter class G4



KLF F7, filter class F7



Rectangular air filter KLF

Air filter with flanges at both ends for in-duct installation.

Casing

Made of galvanised steel. The cover is detachable in order to remove filters by means of quick release fasteners.

Bag filter cassette

Held in a frame that is made of galvanised steel. Filter bags with a large cross section area for high dust storage capacity.

Types KLF G4 with filter class G4, made of washable synthetic fibre, highly strengthened, 190 g/m². DIN 53438 F1, self extinguishing. 91.3% particle separation, dust storage capacity: 354 g/m².

Types KLF F7 with filter class F7, made of synthetic fibre, DIN 53438 F1, self extinguishing. Particle separation rate: approx. 98%. Dust storage capacity: 88.6 g/m².

Note

The integration of the filter with F7 filter class and differential pressure switch DDS (Ref. no. 0445) in external air systems comply with the requirements of VDI 6022.

Installation

Horizontal and vertical (topdown air flow direction) in-duct installation. A free space must be allowed for easy removal of the filter. For areas with restricted space the cover can be detached without tools by an opening angle of more than 45°.

Cleaning

Depending on the system a filter replacement is necessary if the pressure drop exceeds approximately 1.5 – 2 times of the original value.

The filter cassette can be easily removed through the opening on the casing cover. After cleaning or replacement, the filter cassette should be reinserted; by closing the cover the filter cassette is pinched automatically to the casing gaskets.

Spare filter cassettes

Due to decay, the filter cassette may need to be replaced after several times of cleaning. See the chart for ordering information.

Pressure loss

Air filters generate a resistance as shown on the curve above; the grey coloured area demonstrates the air filter resistance of different sizes that must be considered when designing the system.

Accessories

Differential pressure switch

Type DDS Ref. no. 0445
Complete kit to monitor air filters. Pressure range: 50 – 500 Pa.

Type	Ref. no.	fits rectangular fan nominal size cm	Dimensions in mm				Weight approx. kg	Spare filter cassettes (Contents = 2 pieces)		
			A	B	C	D		Type	Ref. no.	
Rectangular air filter KLF G4, filter class G4										
KLF 40/20 G4	8720	40/20	420	220	440	240	4.5	EKLF 40/20 G4	8724	
KLF 50/25-30 G4	8721	50/25-30	520	270/320	540	340	6.0	EKLF 50/25-30 G4	8725	
KLF 60/30-35 G4	8722	60/30-35	620	320/370	640	390	7.0	EKLF 60/30-35 G4	8726	
KLF 70/40 G4	8723	70/40	720	420	740	440	8.5	EKLF 70/40 G4	8727	
KLF 80/50 G4	8670	80/50	820	520	840	540	13.0	EKLF 80/50 G4	8673	
KLF 100/50 G4	8671	100/50	1020	520	1040	540	15.0	EKLF 100/50 G4	8674	
Rectangular air filter KLF F7, filter class F7										
KLF 40/20 F7	8644	40/20	420	220	440	240	6.5	EKLF 40/20 F7	8635	
KLF 50/25-30 F7	8645	50/25-30	520	270/320	540	340	8.5	EKLF 50/25-30 F7	8636	
KLF 60/30-35 F7	8646	60/30-35	620	320/370	640	390	10.5	EKLF 60/30-35 F7	8637	
KLF 70/40 F7	8647	70/40	720	420	740	440	13.5	EKLF 70/40 F7	8638	
KLF 80/50 F7	8654	80/50	820	520	840	540	20.5	EKLF 80/50 F7	8639	
KLF 100/50 F7	8655	100/50	1020	520	1040	540	24.0	EKLF 100/50 F7	8659	