

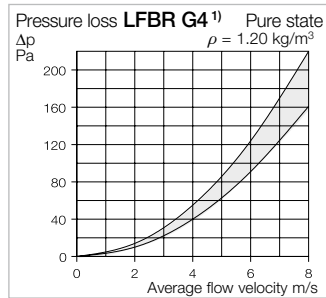
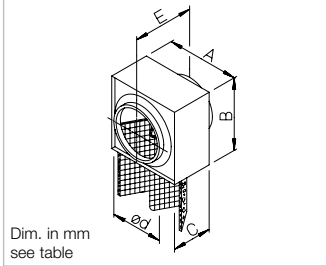
LFBR G4¹⁾, filter class ISO Coarse 70% (G4)



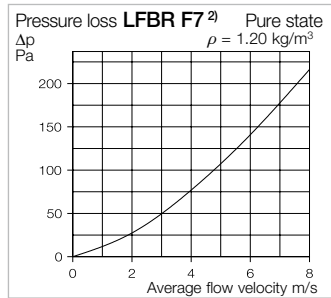
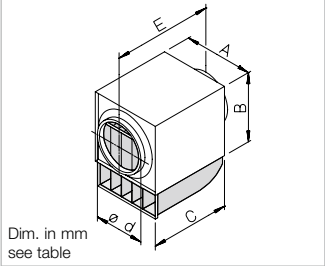
LFBR F7²⁾, filter class ISO ePM₁ 50% (F7)



Dimensions LFBR G4¹⁾



Dimensions LFBR F7²⁾



Air filter box LFBR

- For installation in ventilation system duct system. Connections with double lip seal, compatible with standard duct diameters.
- Casing**
Made of galvanised steel sheet. Removable cover for filter removal with locking clamp.

- Filter**
For types LFBR G4¹⁾ made of renewable synthetic fibre, class ISO Coarse 70% (G4). Temp.-resistant up to +100 °C. Fire behaviour according to DIN 53438 F1, self-extinguishing. Regeneration ability: 10–15x. Dust absorption: 122 g/m².
For types LFBR F7²⁾ bag filter, class ISO ePM₁ 50% (F7), made of synthetic plastic, 64 g/m². Dust absorption: 88.6 g/m².

- Installation**
In any position. Allow clearance according to dimension B for filter removal.
- Cleaning**
Depending on the system, filter replacement is required if the initial pressure loss is exceeded by around 1.5-2 times. Remove filter element after removing the casing cover.

- Replacement air filter**
In case of signs of degradation, which can occur after frequent cleaning, the filter mat must be replaced with a new one.
- 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.

Reference

The integration of air filters in class ISO ePM₁ 50% (F7) and differential pressure switches DDS (Ref. no. 00445) in intake air systems fulfils the requirements of VDI 6022.

Type	Ref. no.	Connection Ø d	Dimensions in mm				Weight aprx. kg	Replacement air filter (shipping unit = 5 pcs)	
			A	B	C	D		Type	Ref. no.
Air filter box LFBR G4¹⁾, filter class ISO Coarse 70% (G4)									
LFBR 100 Coarse 70%	08576	100	205	170	120	227	1.5	ELFBR 100 Coarse 70%	08585
LFBR 125 Coarse 70%	08577	125	215	205	140	252	1.8	ELFBR 125 Coarse 70%	08586
LFBR 160 Coarse 70%	08578	160	265	235	155	267	2.4	ELFBR 160 Coarse 70%	08587
LFBR 200 Coarse 70%	08579	200	315	275	180	302	3.0	ELFBR 200 Coarse 70%	08588
LFBR 250 Coarse 70%	08580	250	365	325	230	352	4.2	ELFBR 250 Coarse 70%	08589
LFBR 315 Coarse 70%	08581	315	425	390	330	452	7.5	ELFBR 315 Coarse 70%	08590
LFBR 355 Coarse 70%	08583	355	515	495	455	587	12.0	ELFBR 355 Coarse 70%	08592
LFBR 400 Coarse 70%	08582	400	515	495	455	587	12.0	ELFBR 400 Coarse 70%	08591
Air filter box LFBR F7²⁾, filter class ISO ePM₁ 50% (F7)									
LFBR 100 ePM ₁ 50%	08530	100	204	204	400	480	3.5	ELFBR 100 ePM ₁ 50%	08300
LFBR 125 ePM ₁ 50%	08531	125	204	204	400	480	3.5	ELFBR 125 ePM ₁ 50%	08301
LFBR 160 ePM ₁ 50%	08532	160	294	295	400	480	4.3	ELFBR 160 ePM ₁ 50%	08302
LFBR 200 ePM ₁ 50%	08533	200	294	295	400	480	4.3	ELFBR 200 ePM ₁ 50%	08303
LFBR 250 ePM ₁ 50%	08534	250	424	385	480	600	5.2	ELFBR 250 ePM ₁ 50%	08304
LFBR 315 ePM ₁ 50%	08535	315	424	385	480	600	5.2	ELFBR 315 ePM ₁ 50%	08305
LFBR 355 ePM ₁ 50%	08536	355	504	505	600	720	6.6	ELFBR 355 ePM ₁ 50%	08306
LFBR 400 ePM ₁ 50%	08537	400	504	505	600	720	6.6	ELFBR 400 ePM ₁ 50%	08307

¹⁾ ISO Coarse 70%

²⁾ ISO ePM₁ 50%