

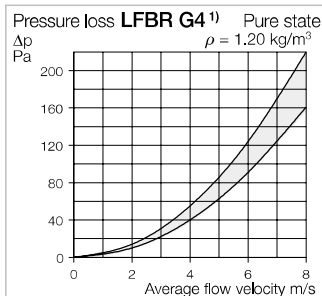
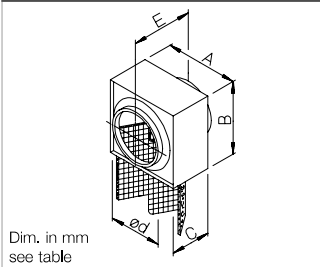
LFBR G4¹⁾, filter class ISO Coarse 70% (G4)



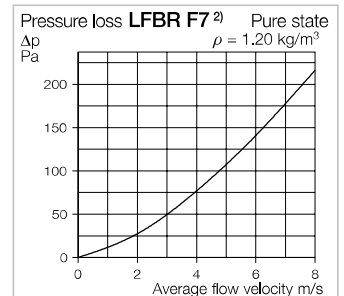
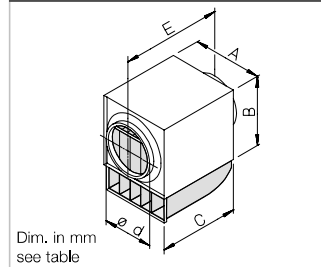
LFBR F7²⁾, filter class ISO ePM₁ 50% (F7)



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.

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) (shipping unit = 2 pcs)									
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%

■ **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.