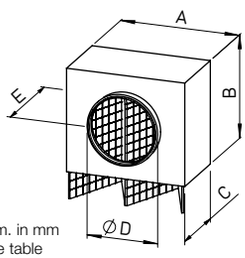
LFBR G4[1], filter class ISO Coarse 70% (G4)



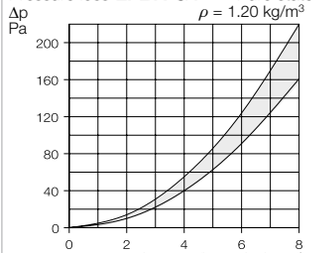
LFBR F7[2], filter class ISO ePM$_1$ 50% (F7)



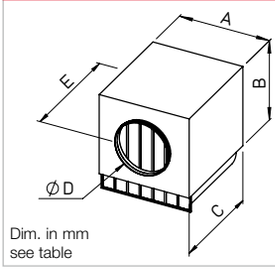
Dimensions LFBR G4[1]



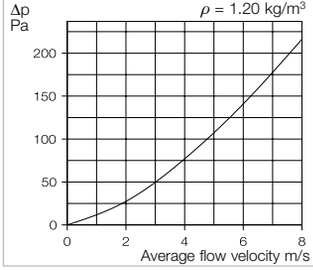
Pressure loss **LFBR G4** [1] Pure state
ρ = 1.20 kg/m^3



Dimensions LFBR F7[2]



Pressure loss **LFBR F7** [2] Pure state
ρ = 1.20 kg/m^3



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 G4[1] 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/m^2.
For types LFBR F7[2] bag filter, class ISO ePM$_1$ 50% (F7), made of synthetic plastic, 64 g/m^2.
Dust absorption: 88.6 g/m^2.

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	A	B	C	E	Weight aprx. kg	Replacement air filter (shipping unit = 5 pcs) Type	Ref. no.
Air filter box LFBR G4[1]. filter class ISO Coarse 70% (G4)									
LFBR 100 Coarse 70%	08576	100	210	170	120	170	1.0	**ELFBR 100 Coarse 70%**	08585
LFBR 125 Coarse 70%	08577	125	220	209	140	186	1.2	**ELFBR 125 Coarse 70%**	08586
LFBR 160 Coarse 70%	08578	160	270	237	155	222	1.6	**ELFBR 160 Coarse 70%**	08587
LFBR 200 Coarse 70%	08579	200	320	277	180	231	2.1	**ELFBR 200 Coarse 70%**	08588
LFBR 250 Coarse 70%	08580	250	378	325	230	283	2.8	**ELFBR 250 Coarse 70%**	08589
LFBR 315 Coarse 70%	08581	315	431	390	330	463	4.5	**ELFBR 315 Coarse 70%**	08590
LFBR 355 Coarse 70%	08583	355	515	502	455	585	7.0	**ELFBR 355 Coarse 70%**	08592
LFBR 400 Coarse 70%	08582	400	515	502	455	585	7.1	**ELFBR 400 Coarse 70%**	08591
Air filter box LFBR F7[2]. filter class ISO ePM$_1$ 50% (F7)									(shipping unit = 2 pcs)
LFBR 100 ePM1 50%	08530	100	204	207	400	451	2.4	**ELFBR 100 ePM1 50%**	08300
LFBR 125 ePM1 50%	08531	125	215	205	370	447	2.5	**ELFBR 125 ePM1 50%**	08301
LFBR 160 ePM1 50%	08532	160	295	297	400	447	3.6	**ELFBR 160 ePM1 50%**	08302
LFBR 200 ePM1 50%	08533	200	295	297	400	454	3.7	**ELFBR 200 ePM1 50%**	08303
LFBR 250 ePM1 50%	08534	250	425	388	480	534	5.9	**ELFBR 250 ePM1 50%**	08304
LFBR 315 ePM1 50%	08535	315	425	388	480	610	6.1	**ELFBR 315 ePM1 50%**	08305
LFBR 355 ePM1 50%	08536	355	505	507	601	730	9.2	**ELFBR 355 ePM1 50%**	08306
LFBR 400 ePM1 50%	08537	400	505	507	601	730	9.3	**ELFBR 400 ePM1 50%**	08307

[1] ISO Coarse 70% [2] ISO ePM$_1$ 50%

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