

31-R-FF



31-1-R-FF



Special filterholder grilles for installation in ceilings

Product description

Hinged push&pull filterholder grilles for installation in modular and continuous ceilings and walls. Includes a filter holder section to incorporate a 10 mm thick filter.

Characterised by a compartment to incorporate a filter.

31-1-R-FF. Manufactured with fixed parallel extruded aluminium blades.

Other models

31-15-R-FF. With fixed, parallel, extruded aluminium blades (15° deflection).

31-45-R-FF. With fixed, parallel, extruded aluminium blades (45° deflection).

Fixings

- Complete with concealed fixing system for installation in ceilings with a thickness of between 5 mm and 40 mm without the need for a metal mounting frame (**-SFO-PT**).

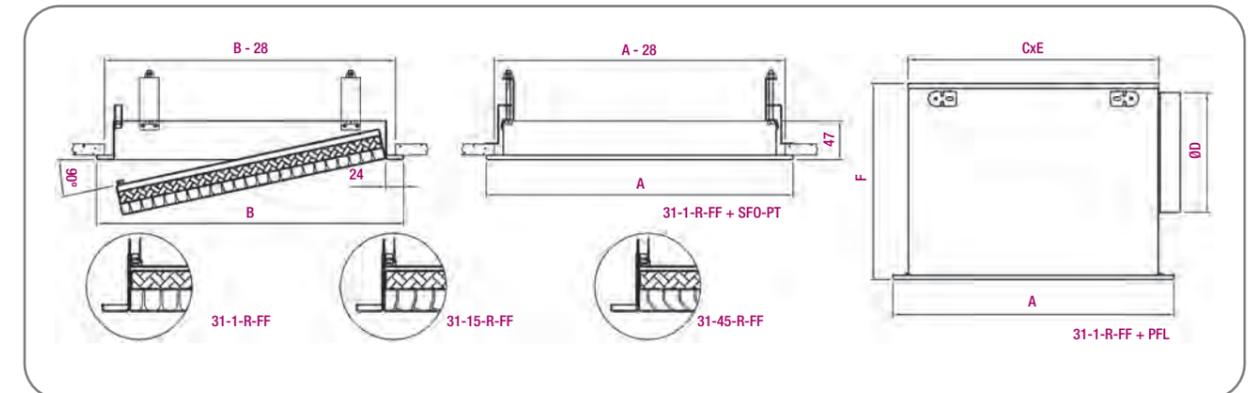
- **PFL.** With fixed galvanised sheet steel plenum with lateral connection. (**-A** Interior insulated).

- **PFS.** With fixed galvanised sheet steel plenum with top connection. (**-A** Interior insulated).

Materials and finish

Manufactured in galvanised steel and aluminium (blades). Painted finish in RAL colour to be defined. Possibility of fitting filters with **G2**, **G3** and **G4** efficiency.

General dimensions



Possibility of manufacturing plenum with a lateral or top connection to suit available height in false ceiling and flow rate per grille.

Dimensions

1B (1 connection)
2B (2 connections)

31-R-FF	A	B	C	D	ØD ^{1B}	F ^{1B}	ØD ^{2B}	F ^{2B}	FILTER
450x400	445	395	404	354	315	420	250	355	390x325
600x300	595	295	554	254	315	420	250	355	540x225
550x500	545	495	504	454	315	420	250	355	490x425
800x350	795	345	754	304	315	420	250	355	740x275
600x600	595	595	554	554	400	505	315	420	540x525
950x400	945	395	904	354	400	505	315	420	890x325
675x675	670	670	629	629	500	605	315	420	615x600
900x500	895	495	854	454	500	605	315	420	840x425
1000x800	995	795	954	754	630	735	400	505	940x725

Unit in mm

Selection table 31-1/15-R-FF

Dimension	Q (m³/h)	L _w -dB(A)	P _{st} (Pa)	1 slot		2 slots	
				Diameter		Diameter	
450 x 400	720	24	18	400	250		
600 x 300	980	32	33	400	250		
500 x 350	1340	40	62	400	250		
550 x 500	1100	24	15	500	315		
800 x 350	1500	32	27	500	315		
	2055	40	51	500	315		
600 x 600	1400	24	13	500	400		
950 x 400	1910	32	25	500	400		
	2610	40	47	500	400		
675 x 675	1720	24	12	630	400		
900 x 500	2350	32	23	630	400		
	3210	40	43	630	400		
1000 x 800	2800	24	10	700	500		
1200 x 600	3830	32	18	700	500		
	5235	40	34	700	500		

LEGEND

Q (m³/h): Air flow.
L_w-dB(A): Sound power level.
P_{st} (Pa): Pressure loss.
V_k (m/s): True air velocity through filter (m/s).

Values without plenum box and with G2 efficiency filter.

Selection table 31-45-R-FF

Dimension	Q (m³/h)	L _w -dB(A)	P _{st} (Pa)	1 slot		2 slots	
				Diameter		Diameter	
450 x 400	650	24	12	315	250		
600 x 300	830	32	20	315	250		
500 x 350	1085	40	33	315	250		
550 x 500	870	24	9	400	250		
800 x 350	1120	32	14	400	250		
	1430	40	24	400	250		
600 x 600	1050	24	7	400	315		
950 x 400	1350	32	12	400	315		
	1730	40	20	400	315		
675 x 675	1235	24	6	500	315		
900 x 500	1585	32	10	500	315		
	2030	40	17	500	315		
1000 x 800	1805	24	4	500	400		
1200 x 600	2315	32	6	500	400		
	2965	40	9	500	400		