

BF



Description

BF: Linear aluminium diffusers with slot

- slot width 20.5 mm
- optional supply of 1 to 5 slots and continuous assembly with multiple elements
- suitable for operation with $\Delta t \pm 10^\circ$
- outer edge reduced to 14.8 mm
- maximum length per element $L = 2000$ mm
- standard fastening with concealed M6 screws and c-bracket
- made of natural anodised aluminium
- 2 x adjustable deflectors per natural anodised aluminium slot

Accessories

S: volume control damper on plenum (list price €20/each)

T: pair of end elements

PL: side entry plenum

PLI: but with external insulation and reaction to fire class B-s2-d0

Circular/oval entries instead of standard (price list €30/each)

Special versions

- Borderless $B1=A$ (list price +30% per m)
- W:** RAL 9010 coating (same price as BF)
- VR:** RAL 9005/9006 coating (same price as BF)

1 x INTAKE UP TO $L=1600$

All prices are list prices for local market, for a quotation please contact us.

BF price list

No. slots/GR	600	1000	1500	2000	T	A90
1	23	37	50	63	5	30
2	33	51	71	91	6	44
3	45	68	97	124	6	61
4	57	86	122	158	7	83
5	69	103	164	223	7	103

PLENUM price list

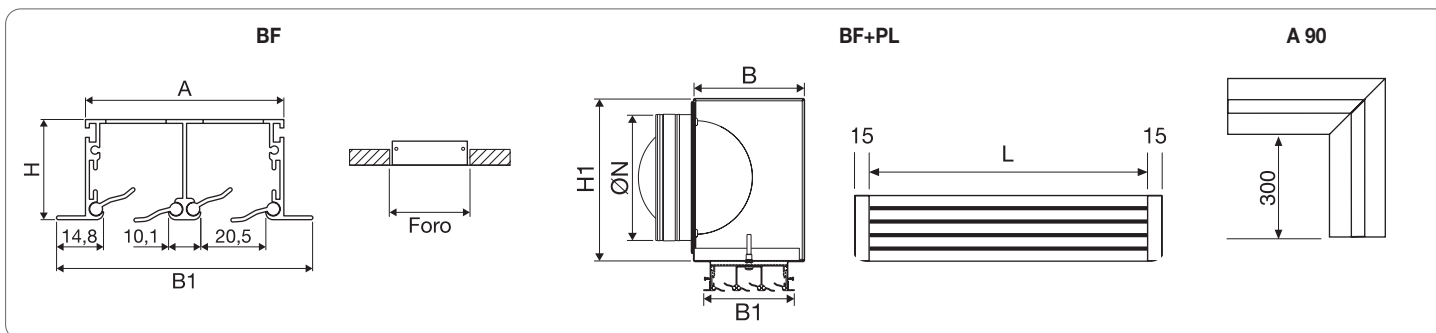
No. slots/GR	PL			PLI		
	1000	1500	2000	1000	1500	2000
1	49	74	98	74	110	146
2	51	76	100	76	112	148
3	53	78	102	78	114	150
4	55	80	104	80	116	152
5	57	82	106	82	118	154
6	59	84	106	86	120	156

BF dimensions

No. slots	A	B1	H	HOLE
1	31.8	50.1	31.5	38
2	62.4	80.7	31.5	68
3	93.0	111.3	31.5	99
4	123.6	141.9	31.5	130
5	154.2	172.5	31.5	160

No. slots	H1	B	Ø N
1	200	40	125
2	200	71	125
3	235	101.5	160
4	235	132	160
5	275	163	200

Dimensions



Selection table for $L = 1000$ - $V_t = 0.375$ m/s

No. slots	Flow rate (m³/h)													
	40		80		120		160		200		250		300	
1	-	1.9	24	3.1	35	4.7								
	2.4	5.1	4	14	6	32								
2			-	2.2	20	3.3	27	4.4	33	5.5	38	6.6		
			2	3.5	3	8	4	14	5	22	6	32		
3					-	2.7	18	3.6	24	4.5	29	5.4	37	7.2
					2	3.5	2.6	6.3	3.3	10	4	14	5.3	25
4	NR	L ₁					-	3.1	18	3.9	23	4.7	30	6.2
	v ₁	Δp ₁					2	3.5	2.5	5.5	3	8	4	14

The NR values do not take into account room attenuation

K factors for other v_t

v_t (m/s)	0.25	0.375	0.50	0.625
L_t (m) x	1.50	1	0.75	0.60

A = With ceiling effect
B = Without ceiling effect

K factor for vertical throw

Δt (K)	-10	0	+15	v_k	Δp_t	NR
L_t	Ax	x0.8	x0.5	x0.3	x0.45	x0.8
	B	x0.55	x0.35	x0.2		