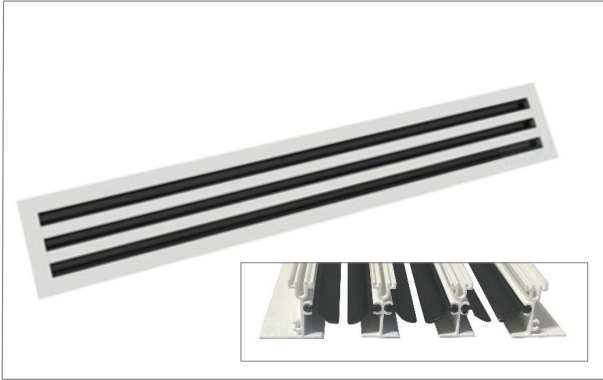


Slot diffuser with adjustable deflectors

SLD



Specifications

Linear slot diffuser with adjustable deflector.

Used for supply and exhaust in ventilation systems.

Material

Aluminium.

Finish

Standard finish: white RAL9003, with black RAL9005 deflector.

Optional finishing:
- different RAL (extra cost)

Mounting / Fixing

Mounting on wall or ceiling (inside).
Fixing in plenum box with crossbar **BF-D** (extra cost).

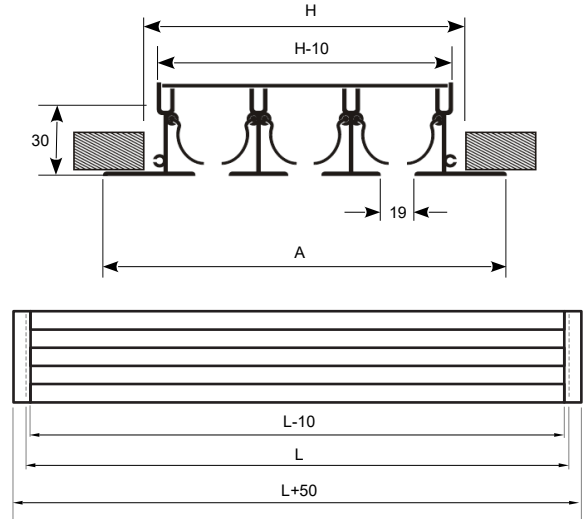
Optional accessories

Plenum box – **PL** (extra cost).
Fixing systems.

Order code:	SLD	x F	bbb	+	*
Product code					
no. of slots					
length L (mm)					
not specified - white RAL9003 (standard)					
RALxxxx - optional RAL code					

* optional accessories

Technical data



LxH - opening hole size

Slot diffuser neck size: (L-10) x (H-10)

Dimensions

No. of slots	H-10	A
1	45	75
2	90	120
3	130	160
4	175	200

Sizes

Size H (height) cannot be custom made (only specified size).

Size L (length) standard:

L (mm) standard: 900, 1000, 1200, 1500, 1800, 2000 mm

Custom sizes available (under certain commercial conditions):
L = 200 ~ 3000 mm

Slot diffuser with adjustable deflectors

SLD

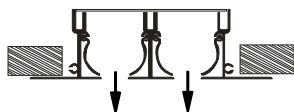
Selection table

Q (m³/h)	LxH (mm)		1-1000	1-1200	1-1500	1-1800	2-900	1-2000	2-1000	2-1200	2-1500	3-1000	2-1800	3-1200	4-900	2-2000	4-1000	3-1500	4-1200	3-1800	4-1500	3-2000	4-1800	4-2000
	A _{ef} (m²)		0,011	0,014	0,017	0,020	0,023	0,027	0,034	0,041	0,045	0,051	0,054	0,061	0,068	0,081	0,090							
100	L _t (m)		1,6	1,4	1,2																			
	L _w (dB(A))		27	23	-																			
	ΔP _t (Pa)		14	9	6																			
150	L _t (m)		2,4	2,1	1,9	1,5	1,4																	
	L _w (dB(A))		37	29	26	23	22																	
	ΔP _t (Pa)		31	21	17	9	8																	
200	L _t (m)		3,2	2,9	2,7	2,2	1,7	1,2	1,2															
	L _w (dB(A))		44	39	34	32	27	20	-															
	ΔP _t (Pa)		46	37	28	18	14	8	6															
250	L _t (m)			3,5	3,1	2,8	2,5	2,2	1,5	1,1														
	L _w (dB(A))			44	42	39	33	29	23	20														
	ΔP _t (Pa)			56	36	30	21	18	9	8														
300	L _t (m)				3,9	3,1	2,9	2,8	2,2	1,7	1,5													
	L _w (dB(A))				48	44	40	38	32	27	23													
	ΔP _t (Pa)				57	46	34	28	18	14	9													
350	L _t (m)					3,9	3,1	3,0	2,5	2,2	2,0	1,5	1,2											
	L _w (dB(A))					48	44	42	36	33	29	23	-											
	ΔP _t (Pa)					57	46	36	24	19	15	9	6											
400	L _t (m)						3,8	3,6	2,8	2,7	2,4	2,0	1,8	1,5	1,2									
	L _w (dB(A))						46	44	39	37	33	29	26	23	20									
	ΔP _t (Pa)						56	51	30	28	22	20	18	9	8									
500	L _t (m)									3,5	3,2	2,8	2,7	2,2	2,0	1,5	1,2							
	L _w (dB(A))									45	42	38	34	32	29	23	-							
	ΔP _t (Pa)									47	40	30	21	18	15	9	8							
600	L _t (m)											3,9	3,7	3,3	2,9	2,5	2,3	2,2	2,0					
	L _w (dB(A))											50	45	41	40	36	31	29	27					
	ΔP _t (Pa)											56	49	45	34	29	26	18	13					
700	L _t (m)												4,1	3,8	3,6	3,2	3,1	2,7	2,3					
	L _w (dB(A))												50	45	43	40	39	37	30					
	ΔP _t (Pa)												58	49	47	35	34	28	19					
800	L _t (m)												4,9	4,6	4,3	3,7	3,3	3,0	2,6					
	L _w (dB(A))												54	50	44	42	40	31	26					
	ΔP _t (Pa)												57	52	49	38	31	26						
900	L _t (m)															4,6	4,4	3,5	3,3					
	L _w (dB(A))															50	47	42	40					
	ΔP _t (Pa)															53	35	31	20					
1000	L _t (m)																4,7	4,1	3,5					
	L _w (dB(A))																51	47	42					
	ΔP _t (Pa)																55	48	35					
1200	L _t (m)																		3,9	3,7				
	L _w (dB(A))																		50	44				
	ΔP _t (Pa)																		56	49				
1400	L _t (m)																						4,0	
	L _w (dB(A))																						50	
	ΔP _t (Pa)																						58	

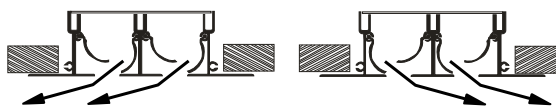
Data is valid for:

- H ceiling = 2,5±0,5m
- L_t (m) @ V_i=0,2 m/s (with Coanda effect)
- L_w(dB(A)) incl. room attenuation 5dB(A)
- Temperature difference Δt=-10K

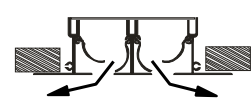
Adjusting flow pattern



Vertical diffusion



Unidirectional horizontal diffusion



Bidirectional horizontal diffusion

Slot diffuser with adjustable deflectors

SLD

Mounting / Fixing

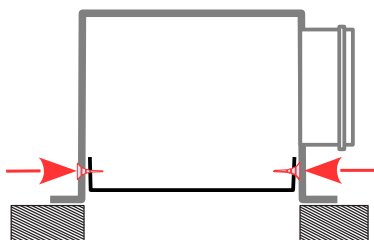
Note: Plenum box **PL** and crossbar **BF-D** are not included (extra cost).
The crossbars are not delivered mounted in plenum box.



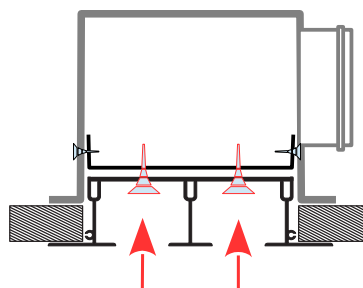
Crossbar **BF-D**

SLD	L
1 F	50
2 F	95
3 F	135
4 F	180

A. Plenum box with external border

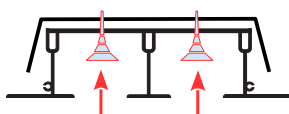


1. Adjust and mount the crossbar

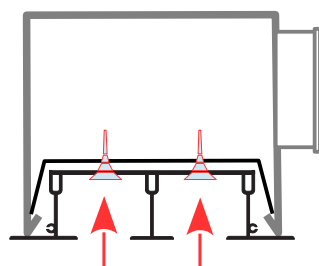


2. Screw the slot diffuser to the crossbar

B. Plenum box with inside border frame



1. Attach the crossbar
(without tightening the screws)



2. Insert the crossbar into the plenum box
and tighten the screws