

SLF

ALUMINIUM ADJUSTABLE
SLOT DIFFUSER WITH FLANGE,
WITH FILTER ACCESS DOOR



VARIANTS

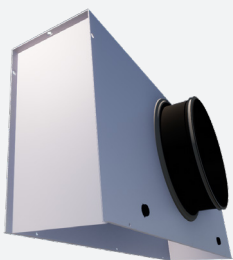
SLF, SLF_P

The adjustable slot diffuser type SLF is suitable for filtration of exhaust air. Each slot is individually adjustable and is equipped with 2 specially designed discrete deflectors. Available in several lengths and in a panel version for modular system ceilings. Easy access to the plenum via magnetic door to replace filters.

Sleek design with discrete aluminium
deflectors (Slot width 25mm)

With easy access door to the plenum to
replace filters

ACCESSORIES



SPF



TECHNICAL INFORMATION

APPLICATION	Airflow direction	Lateral, axial, adjustable
	Airflow type	Linear, exhaust
CONSTRUCTION	Shape	Linear
	Min. Length	300mm
	Max. length	1500mm
	Available steps in length	1mm
	Number of slots	2,3,4,5,6
	Flange size	14mm
	Slot width	25mm
	Installation depth	34mm
	Panel width (SLF_P)	Standard 300mm
MATÉRIEL	Standard material	Extruded aluminium
	Standard finishing	Powder coating RAL9010
	Product finishing options	Powder coating RAL
	Deflectors	Powder coated extruded aluminium
	Deflector fixation piece	POM
	Panel	Powder coated steel sheet metal
MATERIAL	Mounting options	Fixed mounting on SPF plenum box
PLENUM	Material	Galvanised (275g/m ²) steel sheet, PP/TPE spigot
	Optional insulation	Melamine 6mm
	Spigot	Class D spigot with double lip seal
	Mounting options	Mounting eyes (Ø7mm) standard, mounting brackets available upon request

QUICK SELECTION

	Exhaust Qv [m ³ /h]	L [mm]		
		L _w	600	1000
SLF-2	25 dB(A)	188	290	404
	35 dB(A)	264	408	568
SLF-3	25 dB(A)	281	433	605
	35 dB(A)	394	608	848
SLF-4	25 dB(A)	318	489	680
	35 dB(A)	454	697	970
SLF-5	25 dB(A)	373	565	775
	35 dB(A)	566	858	1177
SLF-6	25 dB(A)	405	609	829
	35 dB(A)	636	957	1303

EFFECTIVE AIR DISCHARGE AREA

Exhaust A _e [m ² /m]	SLF-2	SLF-3	SLF-4	SLF-5	SLF-6
	0.0323	0.0484	0.0646	0.0807	0.0968

PRODUCT KEY

SLOT DIFFUSER SLF WITH ACCESS DOOR

S	L	F	1	2	-	F	1	2	0	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Slot length L (mm):
From 300 to 1500mm, per 1mm

Panel size (mm):
From 350 to 2055, per 1mm

F: Coated

-: Standard

P: Panel with 4 raised edges of 10 mm

Z: Panel with 2 sides fine line 5/8 on the short side and 2 raised edges of 10 mm on the long side

Q: Square panel with 4 raised edges of 10 mm

Y: Square panel with 4 sides fine line 5/8

- 2: 2 slots
- 3: 3 slots
- 4: 4 slots
- 5: 5 slots
- 6: 6 slots

0: Without deflectors, without spacers

1: Black deflectors RAL9005 MATT, black spacers

2: White deflectors RAL9010, white spacers

3: White deflectors RAL9016 MATT, white spacers

4: White deflectors RAL9003 MATT, white spacers

5: Deflectors painted in color by choice, black spacers

6: Deflectors painted in color by choice, white spacers

PLENUM SPF WITH FILTER CLAMPS FOR DIRECT MOUNTING ON SLOT DIFFUSER SLF (PANEL VERSION INCL.)

S	P	F	0	2	-	S	-	0	0	1	6	0	1	2	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Nominal diameter (mm):
80, 100, 125, 160, 200, 250,
or 315
Slot length <=1600:
1 diameter

Slot length L (mm):
From 300 to 1500mm, per 1mm

- 0: Without mounting straps
- 1: With mounting straps

-: Without damper

- : Non insulated plenum
- G: Insulated plenum
- H: Half insulated plenum

S: Side connection

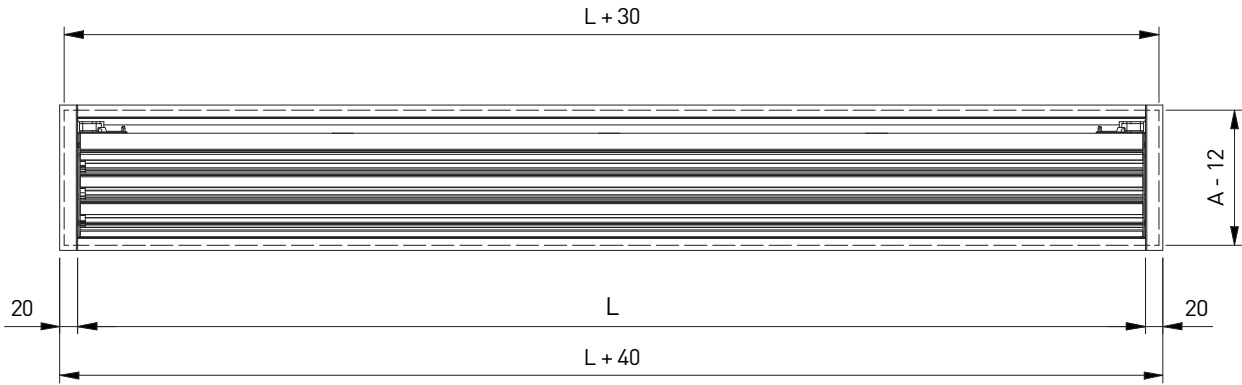
-: Standard

- 2: 2 slots
- 3: 3 slots
- 4: 4 slots
- 5: 5 slots
- 6: 6 slots

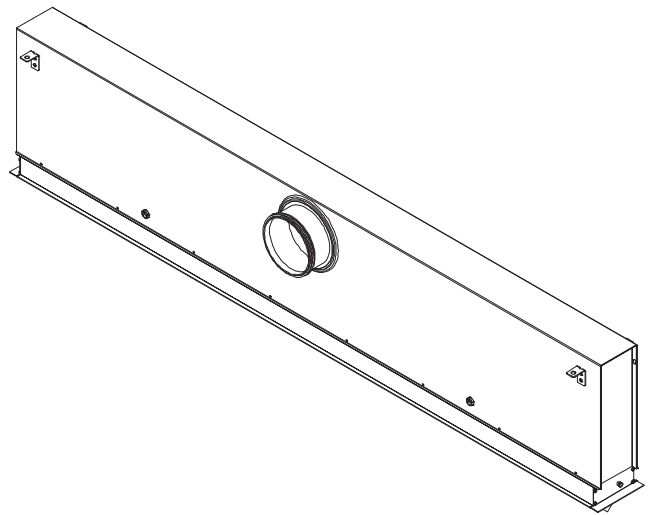
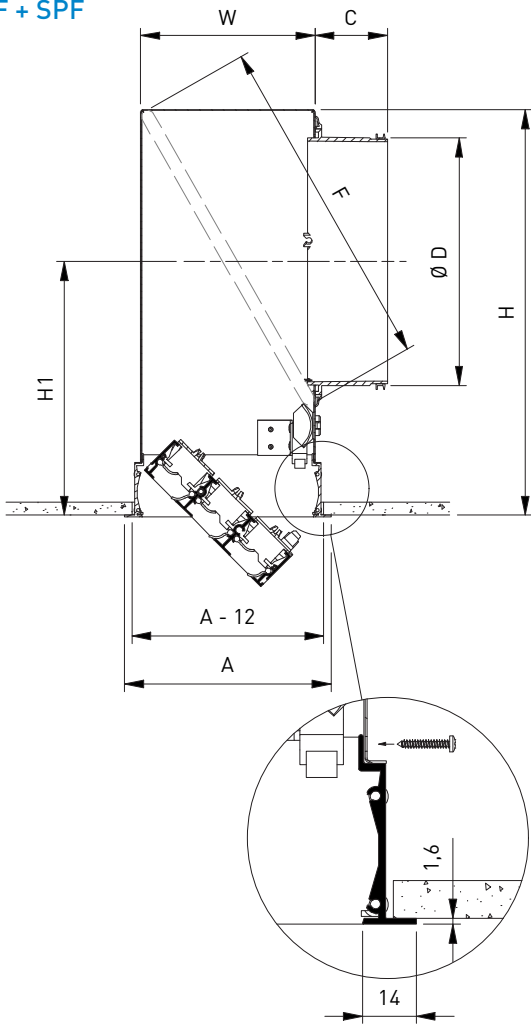
PRODUCT KEY

SLOT DIFFUSER SLF WITH PLENUM SPF (MOUNTED)																		
S	L	F	1	2	P	F	S	-	-	0	1	2	0	0	1	2	5	0
											Slot length L (mm): From 300 to 1500mm, per 1mm				Panel size (mm): From 350 to 2055, per 1mm			
											0: Without mounting straps 1: With mounting straps							
											- : Without damper							
											-: Non insulated plenum G: Insulated plenum H: Half insulated plenum							
											S: Side connection							
											F: Coated							
											-: Standard P: Panel with 4 raised edges of 10 mm Z: Panel with 2 sides fine line 5/8 on the short side and 2 raised edges of 10 mm on the long side Q: Square panel with 4 raised edges of 10 mm Y: Square panel with 4 sides fine line 5/8							
											2: 2 slots 3: 3 slots 4: 4 slots 5: 5 slots 6: 6 slots							
											0: Without deflectors, without spacers 1: Black deflectors RAL9005 MATT, black spacers 2: White deflectors RAL9010, white spacers 3: White deflectors RAL9016 MATT, white spacers 4: White deflectors RAL9003 MATT, white spacers 5: Deflectors painted in color by choice, black spacers 6: Deflectors painted in color by choice, white spacers							

CEILING OPENING: L+30 x A-12



SLF + SPF



DIMENSIONS

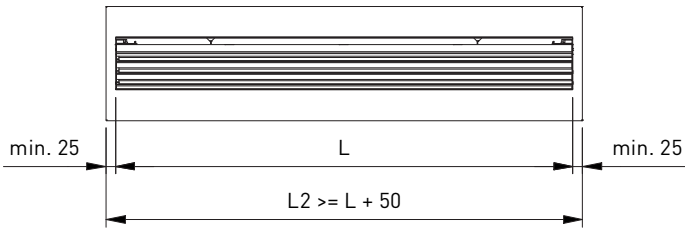
	Number of slots - SLF + SPF				
	2	3	4	5	6
A	121	164	207	252	295
C	58	58	58	78	78
ØD	158	198	198	248	248
F	208	272	296	363	390
H	281	321	321	371	371
H1	181	201	201	226	226
W	94	137	180	225	268

All dimensions in mm

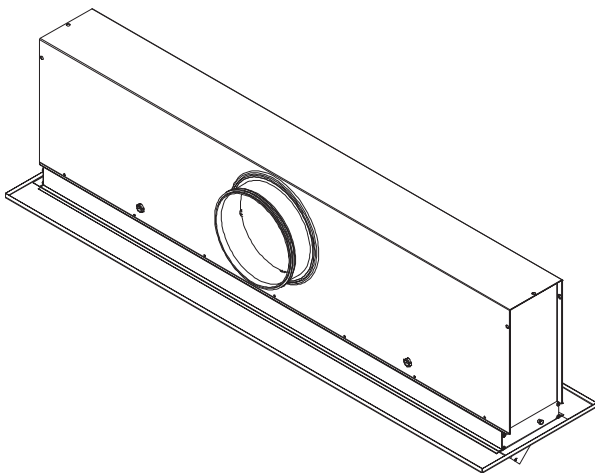
L <= 1600: 1 diameter

PANEL VERSION

SLF_P



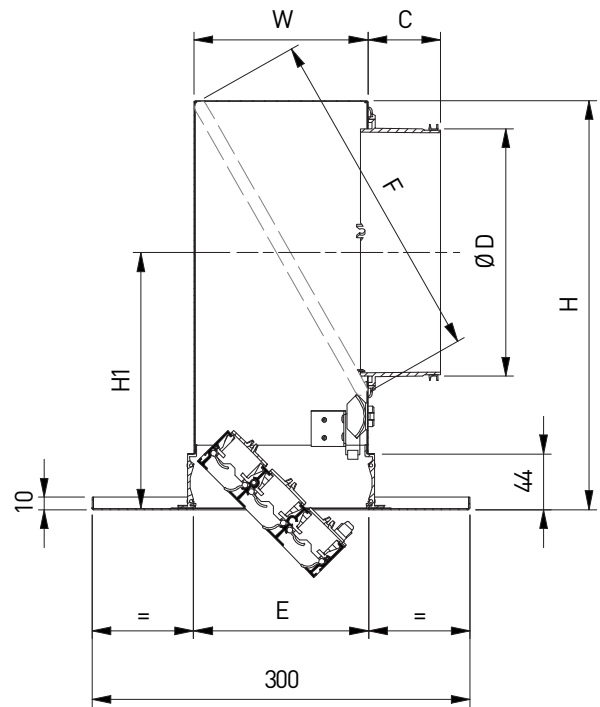
SLF_P + SPF



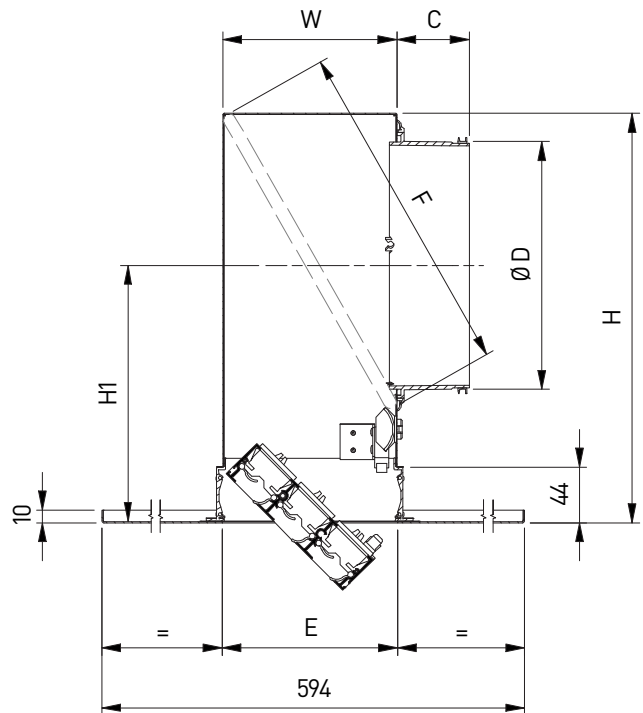
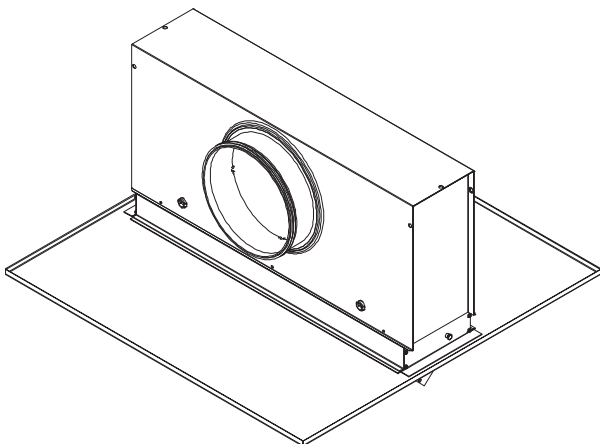
DIMENSIONS

	Number of slots - SLF_P/_Q/_Z/_Y + SPF				
	2	3	4	5	6
C	58	58	58	78	78
ØD	158	198	198	248	248
E	93	136	179	223	267
F	208	272	296	363	390
H	281	321	321	371	371
H1	181	201	201	226	226
W	94	137	180	225	268

All dimensions in mm
 $L \leq 1600$: 1 diameter

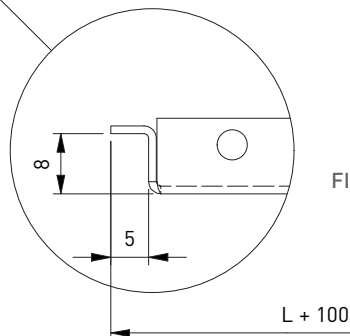
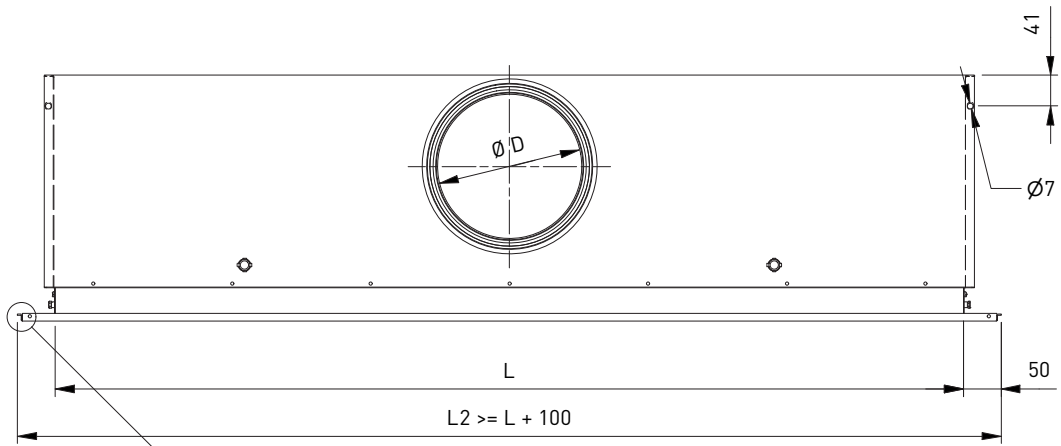
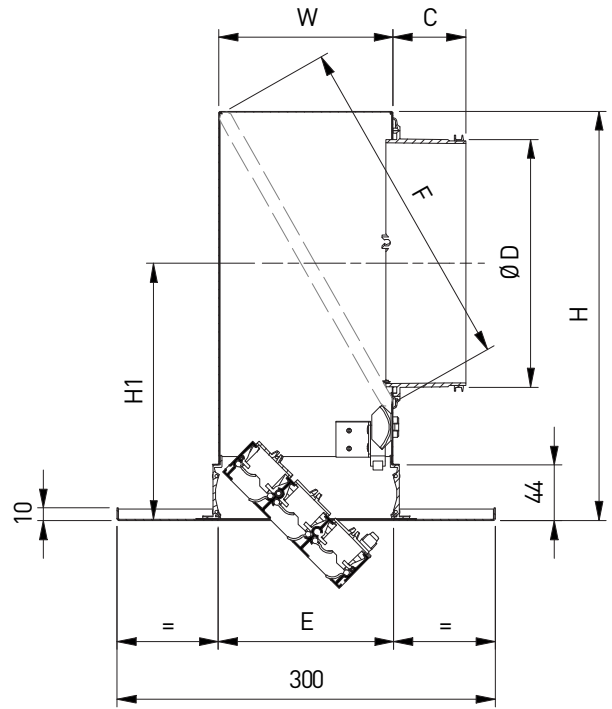
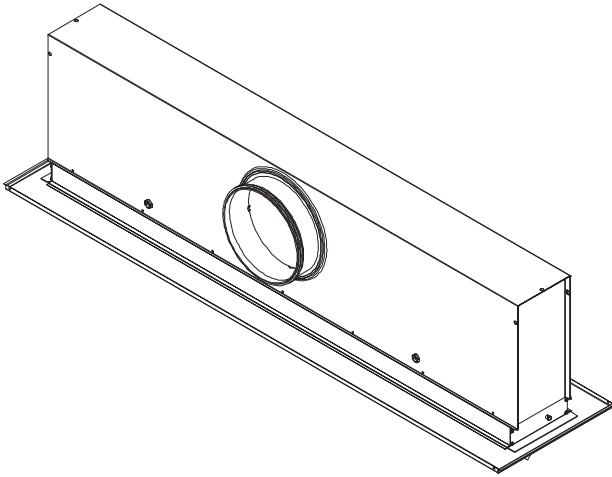


SLF_Q + SPF



PANEL VERSION WITH FINE LINE

SLF_Z + SPF



SLF_Y + SPF

