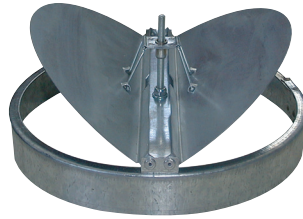


Swirl Diffusers

Fixed circular swirl diffusers for ceiling tiles



SF 861T series - Steel



BR damper

Advantages

- Designed for 600 x 600 mm ceiling tiles.
- Efficient diffusion and easy to fit.
- Excellent high level air circulation.

APPLICATION

- Ceiling mounted diffuser designed to replace a 600 x 600 mm suspended ceiling tile.
- Heating and air-conditioning installations requiring high levels of air circulation.
- Ideal for the cold air supply (air-conditioning).

DESCRIPTION

- Body and diffusion vanes in steel.
- Based on the design of the SF 861 diffuser as standard, integrated into a steel plate.
- Connection to circular ducts or the LRE plenum.
- White steel epoxy painted, RAL 9010 tint.

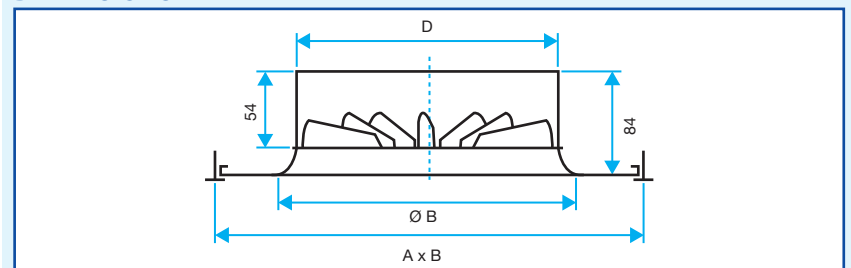
ACCESSORIES

- BR damper: butterfly type with either 2 or 4 V-shaped blades (depending on diameter). Manufactured in steel. Adjustment through the diffuser uses a screw.
- LRE side connector plenum in galvanised steel.

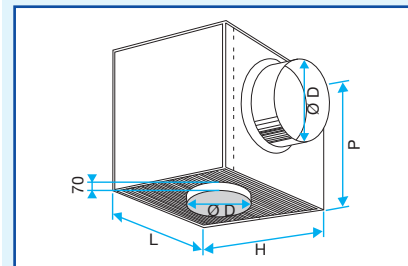
ADDITIONAL RANGE

- Paint finish in accordance with the RAL colour chart (please, consult us).

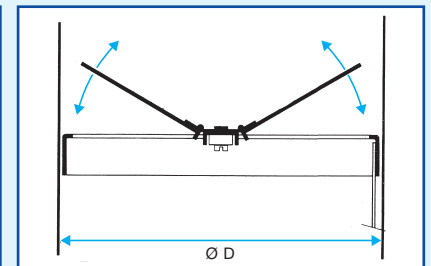
DIMENSIONS



SF 861T diffuser



LRE plenum



BR damper

Comfort airflow levels for $L_w < NR 30$ and dimensions

Ø D (mm)	A x B* (mm)	Ø B (mm)	Ø Connections Plenum (mm)	P (mm)	Airflow (m ³ /h)
160	600 x 600	200	160	210	130
200	600 x 600	250	200	250	200
250	600 x 600	300	250	300	280
315	600 x 600	360	315	365	420

- * Nominal ceiling tile dimensions.
- See selection table on page 281.

RANGE R10

Dimensions	Diffuser SF 861 T Code	Damper BR Code	Plenum LRE Side connector Code
Ø 160	11051081	11053220	11053311
Ø 200	11051082	11053221	11053312
Ø 250	11051083	11053222	11053313
Ø 315	11051084	11053223	11053314

Selection Tables



SR 861 - SF 861 - SF 861 T Series

Air supply with ceiling effect

Ak (m ²)	Ø D (mm)	qv (m ³ /hr)																	
		50		70		100		150		250		350		500		600			
0.0039	125	-	1	26	1.8	33	3											Lw	Lt
		2.5	4.5	5	17	8.5	45											Vk	Pa
0.0071	160			-	1.4	24	2.3	33	3.2	42	4.0								
				2.6	5	4.5	13	6.5	26	8.5	45								
0.0124	200					-	19	24	2.9	35	3.6	42	5.0						
						3.6	9	5.1	17	6.8	28	9.0	48						
0.0199	250							-	2	27	2.7	35	3.6	42	5.0	46	6.0		
								2.7	5	3.5	9	4.9	16	6.5	26	8.5	45		
0.0358	315	Lw	Lt							-	2.5	26	3.2	33	4.5	37	5.5		
		Vk	Pa							3.0	7.0	4.0	11	5.5	20	7.0	30		

The values Lw (NR) do not take the attenuation in the premises into account.

Speed = 0.25 m/s.

Corrections for other terminal velocities

Vt (m/s)	0.25	0.37	0.5	0.63
Lt	x 1	x 0.67	x 0.5	x 0.4