

# Special Diffusers

## Jet diffusers



SR 151 S series - Steel

### Advantages

- Ideal for destratifying air layers in high ceilinged premises.

### APPLICATION

- Air supply for premises with high ceilings of the industrial type.
- Long-range diffusion to provide an airflow to the occupied zone, ideal for avoiding stratification of air in heating systems.
- Adjustable diffusion direction - angles of up to 30°.
- Wall or ceiling mounted.

### DESCRIPTION

- White epoxy painted steel finish, RAL9010 tint. Other colours on request.
- Fixing directly on to the circular air supply duct.
- Standard sizes: Ø 200, 250, 300, 350 mm.
- Adjustable core may be rotated through 360° and tilted up to a maximum of 30° from mid position to produce a wide variation in air jet angles.
- Available with one, two, three or four elements per panel.

### AVAILABLE OPTIONS

- Painted to RAL, code Z.

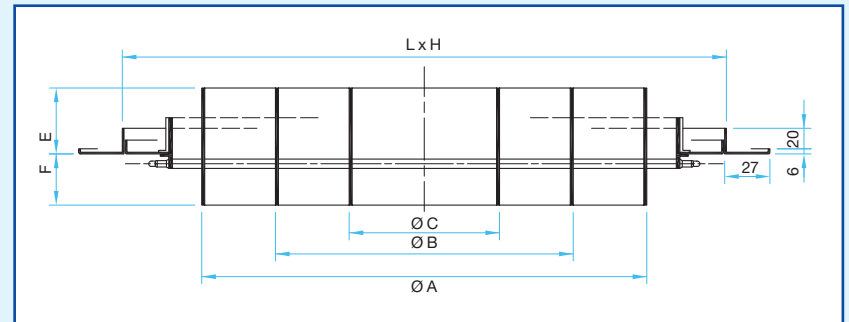
### ADDITIONAL RANGE

- Air diffusers are mounted in batteries.
- Paint finish in accordance with the RAL colour chart (please, consult us).

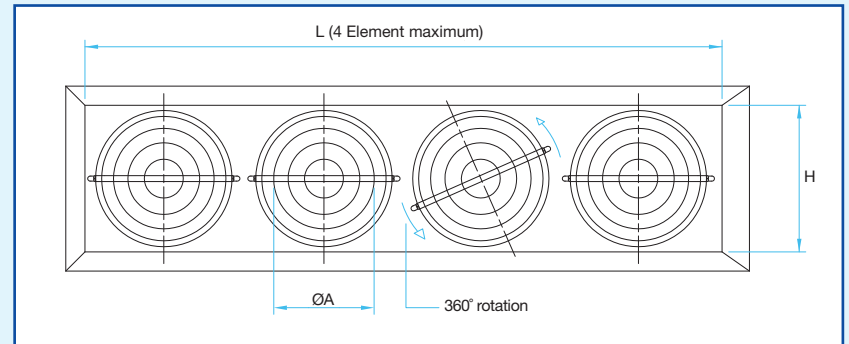
### RANGE R10

Dimensions	Code
SR 151 S	(1 elements)
Ø 200	
Ø 250	
Ø 300	
Ø 350	
Ø 400	11051679
SR 152	(2 elements)
Ø 200	
Ø 250	
Ø 300	
Ø 350	
SR 153	(3 elements)
Ø 200	
Ø 250	
Ø 300	
Ø 350	
SR 154	(4 elements)
Ø 200	
Ø 250	
Ø 300	
Ø 350	

### DIMENSIONS (mm)



SR 151 diffuser



SR 154 (4 elements) diffuser

Size	No. of elements	L	H	Ø A	Ø B	Ø C	E	F
Ø 200	1	300	300	200	150	100	60	70
	2	600						
	3	900						
	4	1200						
Ø 250	1	350	350	250	175	100	60	70
	2	700						
	3	1050						
	4	1400						
Ø 300	1	400	400	300	200	100	70	90
	2	800						
	3	1200						
	4	1600						
Ø 350	1	450	450	350	225	100	70	90
	2	900						
	3	1350						
	4	1800						
Ø 400	1	500	500	400	250	100	70	100

• See selection table on page 284.

# Selection Tables



## SR 151 S Series

Air supply without ceiling effect

Ak (m <sup>2</sup> )	Ø N (mm)	qv (m <sup>3</sup> /hr)														Lw Vk	Lt Pa							
		500		750		1000		1500		2000		2500		3000				3500		4000		5000		
0.031	200	30	7.0	42	10																			
		4.5	25	7.0	58																			
0.049	250			32	8	38	10	51	16	58	21													
				4.2	23	5.8	40	8.5	40	11.5	150													
0.071	315					31	9	43	13	51	17	57	21	63	26									
						3.9	17	6.0	42	8.0	76	9.8	110	12	167									
0.096	350							36	9	45	15	50	17	56	22	61	26	65	30					
								4.2	23	5.9	41	7.2	60	8.5	90	10.2	130	12	165					
0.125	400	Lw	Lt					38	12	45	15	50	17	55	20	58	24	65	28					
		Vk	Pa					4.5	25	5.5	37	6.8	52	7.8	70	9.3	100	11.3	150					

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

Speed = 0.37 m/s.

- With ceiling effect: multiply the throw (Lt) by 1.4.

Corrections for other terminal velocities

Vt (m/s)	0.25	0.37	0.5
Lt	x 1.5	x 1	x 0.75

Corrections to the vertical throw depending on the air supply temperature

ΔT (°C)	-20	-15	-10	-5	0	5	10	15	20
Lt	x 2.5	x 2	x 1.7	x 1.3	x 1	x 0.7	x 0.5	x 0.4	x 0.33