

Swirl Diffusers

Type 'Airnamic'

Advantages

- High volume flow rates and low sound power level thanks to three-dimensionally profiled blades
- Excellent comfort level as a result of low air velocities and low temperature differences in the occupied zone

Characteristics

- Circular and square swirl diffusers made of plastic
- For supply or extract air
- For installation into suspended ceilings
- Suitable for all types of ceilings



Materials

- Diffuser face, spigot and damper made of ABS plastic, UL 94 flame retardant (V0)

Supply air																					
Diffuser type			Volume flow rate and total differential pressure for a given sound power level															Correction values for different damper blade positions			
			Damper blade open																		
			L _{WA} = 30 dB(A)			L _{WA} = 35 dB(A)			L _{WA} = 40 dB(A)			L _{WA} = 45 dB(A)			L _{WA} = 50 dB(A)			45°	90°	45°	90°
	Ṽ _{min}		Ṽ		Δp _t	Ṽ		Δp _t	Ṽ		Δp _t	Ṽ		Δp _t	Ṽ		Δp _t	Δp _t ×		L _{WA} +	
l/s	m³/h	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa	l/s	m³/h	Pa			dB	dB	
R / 400L 	40	145	65	235	12	80	290	18	95	340	26	115	415	38	140	505	55	1.3	1.9	2	2
R / 400H 	70	250	95	340	23	120	430	34	145	520	51	180	650	77	220	790	115	1.5	2.4	4	8
R/ 600 	125	450	190	685	23	220	795	31	255	920	42	295	1060	56	345	1240	75	2.1	3.5	4	11
Q / 300L 	30	110	50	180	15	60	215	21	70	250	29	85	305	41	100	360	57	1.7	2.4	1	1
Q / 300H 	40	145	70	250	26	85	305	37	100	360	50	115	415	70	135	495	96	1.7	2.2	3	6
Q / 600 Q / 625 	155	560	210	755	24	245	890	32	285	1025	43	330	1190	59	385	1385	80	2.3	4.1	7	16

Order code

AIRNAMIC - R - Z	/	400H	/	S1	/	RAL 9006
1	2	3	4	5	6	

1 Type

- 2 Diffuser face
-R Circular swirl diffuser
-Q Square swirl diffuser

3 Air type

- Z Supply air
-A Extract air

4 Nominal size

- Circular diffuser
400L Low volume flow rate
400H High volume flow rate
600

Square diffuser
300L Low volume flow rate
300H High volume flow rate
600
625

5 Surface¹

- White (RAL 9010),
no entry required
S1 Painted RAL ...

6 Colour

- For S1 only
RAL ... other colours