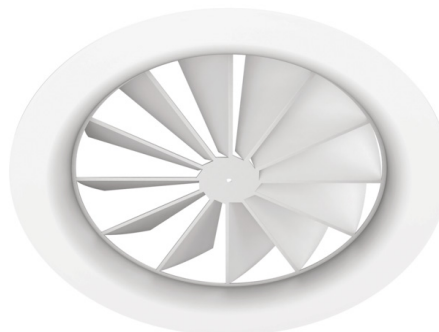


Waterloo Express SDFC/DM/250,315 & 400 Dia

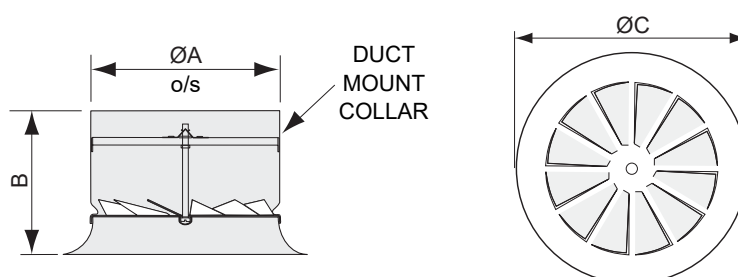
Circular Fixed Blade Swirl Diffuser

Quick Facts

- Circular fixed vane swirl diffuser for exposed applications
- Mounting collar for direct duct connection included
- High Induction



	Nominal Size		
	250 Dia	315 Dia	400 Dia
Ø A (mm)	248	313	397
B (mm)	90	95	95
Ø C (mm)	350	450	535



	250 Dia Supply			315 Dia Supply			400 Dia Supply		
Static Pressure	Air Volume	Radial Throw @ 0.5 m/s Vt	Noise Level	Air Volume	Radial Throw @ 0.5 m/s Vt	Noise Level	Air Volume	Radial Throw @ 0.5 m/s Vt	Noise Level
Pa	l/s	(m)	NR	l/s	(m)	NR	l/s	(m)	NR
5	41	0.5	<20	52	0.6	<20	130	0.9	<20
10	57	0.7	21	76	0.8	22	178	1.3	24
15	71	1.0	26	94	1.0	28	217	1.7	29
20	82	1.1	30	109	1.1	32	251	2.0	33
25	93	1.3	34	122	1.3	36	281	2.2	36
30	103	1.4	37	134	1.4	38	308	2.5	39
35	112	1.5	40	144	1.5	40	333	2.7	41
40	120	1.5	42	154	1.5	42	357	2.9	43

Supply throws are based on exposed applications. For exhaust applications add 3dB to the noise level and multiply pressure loss by 1.1.

Selection Example

Air volume - 100 l/s. Target static pressure 20 Pa.

Size required to achieve pressure at duty, 315 Dia.

Pre-selected volume (nearest table duty) - 94 l/s. Associated pre-selection pressure - 15 Pa.

Performance based on tabled volume (94), 1.0m throw @ Vt 0.5m/s, 15 Pa, NR28

Performance adjusted to suit actual volume (100), 1.1m throw @ Vt 0.5m/s, 17 Pa, NR30.

All performance is for guidance only.

Product Group	Product description	EXPRESS Part Number	Price *
Swirl Diffuser (Exposed)	SDFC/DM/250/EW002E Aluminium metallic gloss	EXP-SDFC-001	£38.41
	SDFC/DM/315/EW002E Aluminium metallic gloss	EXP-SDFC-002	£44.35
	SDFC/DM/400/EW002E Aluminium metallic gloss	EXP-SDFC-003	£55.59

* including standard UK delivery.