

CIRCULAR FLANGED SWIRL DIFFUSER



The Circular Flanged Swirl Diffuser has fixed spiral blades that create rotational as well as axial, tangential and radial air movement.

This means that it produces a strong horizontal swirl, obtaining high inductivity, to allow the introduced flow to rapidly mix with the ambient air to reduce the temperature and also perceived drafts or hot/cold spots.

Velocity is reduced while still maintaining volume and reduced noise and this products is ideally suited to handling large volumes. The PSB maintains high air quality air diffusion throughout the space with minimal temperature variation. The Swirl effects ensure good mixing of supply and ambient air.

The Circular Flanged Swirl Diffuser is also suitable for return air application due to low pressure drop across the grille. The standard Circular Diffuser is made of cold rolled galvanised steel powder coated white (RAL 9010).

Other finishes are available to suit the interior and architectural design requirements.

Quick Selection Table

Specs	Air Volume (m³/h)	Pressure Loss (Pa)	Noise (dB)
254	100	6.5	<20
	150	13	24
	250	35	37
	400	90	53
	500	140	65
350	150	4.5	<20
	200	9	<20
	300	18	28
	400	36	38
	500	50	44
450	180	4.5	<20
	250	8	<20
	35	15	27
	550	38	42
	700	60	47
540	300	6	<20
	400	10	22
	600	20	32
	800	38	42
	1200	85	55

Sizes Available / Dimensions		
CVE Product Code	Q Outside Diameter	L Neck Size
CVCFSD-254	300mm	254mm
CVCFSD-350	400mm	350mm
CVCFSD-450	500mm	450mm
CVCFSD-540	600mm	540mm

