



NEW!

## SFD - Swirl Floor Diffuser

### Underfloor Air Distribution

#### Description

Circular diffuser with swirl air supply, suitable for underfloor air distribution. Diffuser slots are designed to ensure a swirl air supply with high levels of induction, achieving reduced air velocities and a moderate temperature gradient in the occupied zone. The diffuser may be used in rooms with a variable or constant air volume.

#### Application

SFD is a circular swirl supply air floor diffuser suitable for false floor installations. The diffuser may be used in rooms with a variable or constant air volume.

#### Design

Diffuser slots are designed to ensure a swirl air supply with high levels of induction, achieving reduced air velocities and a moderate temperature gradient in the occupied zone. The diffuser is manufactured from aluminum.

#### Available Sizes

6" (150 mm) and 8" (200 mm)

### Essential features

- For false floor installations
- Aluminum housing
- Duct size connection 6" and 8"
- Standard finish in milled aluminum
- 18 - 100 CFM
- Sheet steel drip trap and swirl unit
- High levels of induction
- Simple to clean
- Can be used with connection plenum

### Flexible solution

Underfloor air distribution (UFAD) is frequently used in office buildings, particularly highly-reconfigurable and open plan offices where raised floors are desirable for cable management. UFAD is also common in command centers, IT data centers and server rooms that have large cooling loads from electronic equipment and requirements for routing power and data cables.



### SPECIFICATION DATA

	Airflow range, cfm and throw, ft @ 40 fpm								$\Delta P_t$ - Pressure drop, in.wg (Pa)		
	2	4	5	7 1/2	6	5	6	0.03	0.04	0.09	
SFD 150									0.04	0.06	0.12
SFD 200									0.03	0.04	0.09
	cfm 18	29	41	59	77	88	100	20-25	30	35-40	
										dB (A)	

### DIMENSIONS

	$\phi A$	$\phi B$	C	Weight, lbs
SFD 150	7 1/2	5 7/8	8 7/8	1
SFD 200	9 1/2	7 7/8	10 7/8	2

Dimensions are in inches.

