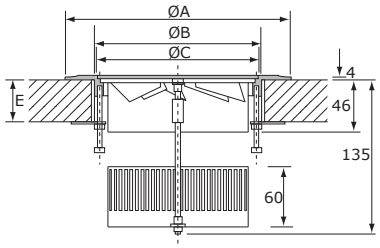
ASFD

- Floor grilles
- Aluminium
- Anodized natural finish
- Swirl



Swirl diffusers for floor mounting type ASFD

Aluminium swirl floor diffusers with horizontal or vertical air diffusion pattern

Brand
- Cairox

Application
- Adjustable circular diffuser with swirl air supply, suitable for false floor installation. May be used in rooms with a variable or constant air volume

Material
- Aluminium and steel

Colour
- Anodized natural finish
- Other colours available upon request

Composition
- Removable inner grille and front grille manufactured in sanded aluminium
- Dust basket (also to be used as volume damper) and swirl unit made from sheet steel
- 3 Steel mounting straps for fixing of the diffuser frame into a floor tile

Mounting
- To be mounted with 3 steel mounting straps for fixing of the diffuser frame into a floor tile

Text for tender
- The air supply for rooms with variable or constant air volume can be made with circular diffuser with swirl air supply. 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
- Anodized natural finish
- **CAIROX** Type **ASFD**

Order example
- **ASFD, 150**

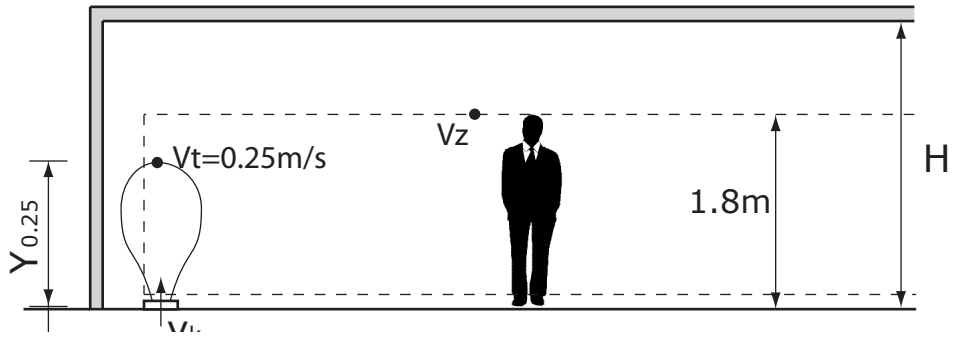
Explanation
ASFD = swirl floor diffuser
150= connection diameter (see table)

Quick selection							
ASFD		150			200		
Q	Ak	0.00495			0.00945		
	Dt	-4	-6	-8	-4	-6	-8
25	Y0,25	0.7	0.6	0.5			
	Vk	1.4					
	Ps	4					
	Lw(A)	<20					
40	Y0,25	1	0.9	0.8			
	Vk	2.2					
	Ps	10					
	Lw(A)	25					
60	Y0,25	1.6	1.4	1.2	0.8	0.7	0.6
	Vk	3.4			1.8		
	Ps	24			5		
	Lw(A)	35			20		
80	Y0,25	2.1	1.9	1.6	1.1	0.9	0.8
	Vk	4.5			2.4		
	Ps	43			9		
	Lw(A)	42			27		
100	Y0,25				1.3	1.1	1
	Vk				2.9		
	Ps				13		
	Lw(A)				33		
120	Y0,25				1.6	1.4	1.2
	Vk				3.5		
	Ps				20		
	Lw(A)				37		
150	Y0,25				2	1.7	1.5
	Vk				4.4		
	Ps				31		
	Lw(A)				43		

Symbols and specifications

- Temperature difference Dt at -4, -6 and -8K
- Y 0.25 = Vertical throw in m at vt = 0.25 m/s at Dt values
- Ps = Static pressure loss in Pa
- Lw (A)= Acoustic power in dB(A)
- Q = Air Volume in m³/h
- Ak= Effective area in m²
- Vk = Effective velocity between the blades of the grille in m/s

Placement instruction



Dimensions					
ASFD	A [mm]	B [mm]	C [mm]	E [mm]	
				Min	Max
150	190	154	149	14	32
200	240	204	199		