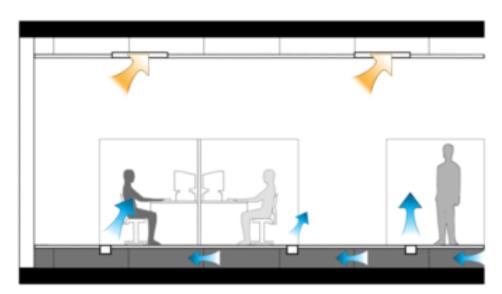






GMC CFD-030 PRODUCT SPECIFICATIONS:

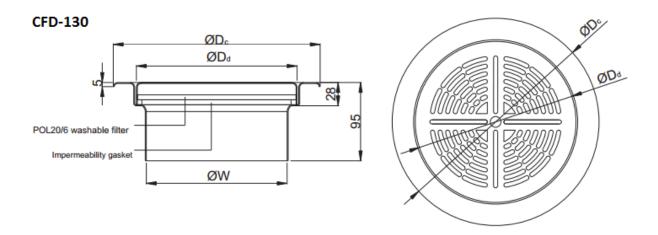
- Standard material: Steel Sheet (all parts).
- Designed specifically for floor installation within raised floor systems, common to modern commercial buildings.
- Projection data were determined in a room with ceiling height of 2,7m. and 5°C differential between supply air and average occupied zone temperature. Tests conducted with dirt basket/damper installed. Pressure loss values are calculated with fully opened damper.
- Has two models: Standard Model (CFD-130) and Improved Model (CFD-230).
- Electrostatic powder coating with the color from RAL catalogue.



TECHNICAL DETAILS





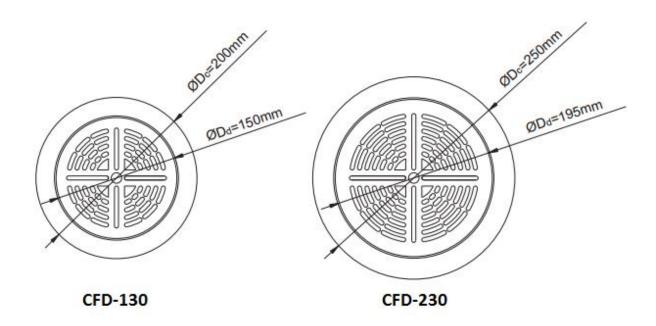


CFD-130/230 STANDARD SELECTION TABLE

Model	ØW(mm)	ØDd(mm)	ØDc(mm)	A _{eff.} (m ²)
CFD-130	120	150	200	0,0049
CFD-230	171	195	250	0,0088

ØD₀(mm) : Floor diffuser core diameter ØD_d(mm) : Diffuser surface diameter ∅W(mm) : Floor diffuser neck diameter

A_{eff.} (m²) : Effective area



DETAILED SELECTION TABLE





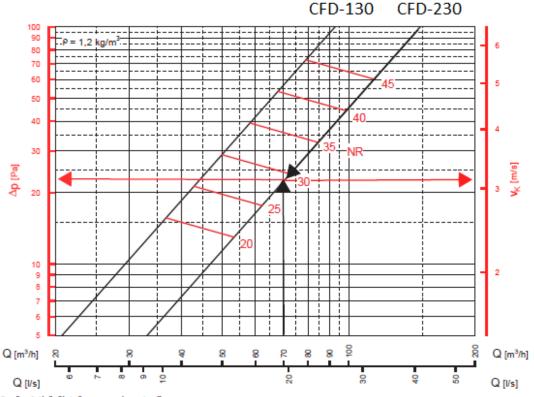
V (m³/h)	A _{ett.} (m²)				
		0,0049	0,0088		
50	u _{•ff.} (m/s)	2,8			
	ΔPω. (Pa)	7			
	SPL (dBA)	18			
60	U _{eff.} (m/s)	3,4			
	∆Ptot. (Pa)	10			
	SPL (dBA)	24			
70	u _{eff.} (m/s)	4,0			
	∆P‱ (Pa)	15			
	SPL (dBA)	27			
80	u•r. (m/s)	4,5	2,5		
	∆P‱ (Pa)	19	10,5		
	SPL (dBA)	32	25		
	u _{eff.} (m/s)	5,1	2,8		
90	∆Ptot. (Pa)	24	14		
	SPL (dBA)	34	28		
100	u _{•ff.} (m/s)	5,7	3,2		
	∆P _{tot.} (Pa)	28	16		
	SPL (dBA)	37	29		
120	u _{err.} (m/s)	6,8	3,8		
	∆P ‱ (Pa)	43	24		
	SPL (dBA)	42	34		
	u•r. (m/s)	7,9	4,4		
140	∆Ptot. (Pa)	58	32		
	SPL (dBA)	45	37		
160	u•n. (m/s)	9,1	5,1		
	∆Ptot. (Pa)	75	42		
	SPL (dBA)	49	40		
	u•r. (m/s)		5,7		
180	∆P‱ (Pa)		52		
	SPL (dBA)		42		
	u•r. (m/s)		6,3		
200	∆Ptot. (Pa)		65		
	SPL (dBA)		44		

DATA DIAGRAM

PRESSURE LOSS AND NOISE LEVELS







Q [m³/h] [l/s] supply air flow rate

velocity relating to the effective outlet area S v_{k} [m/s]

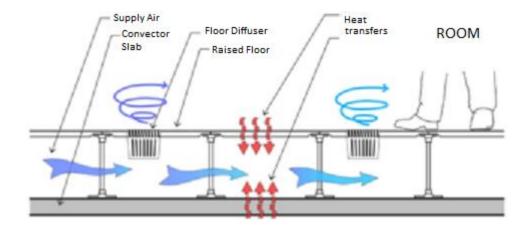
Δp [Pa] total pressure loss

noise rating (ISO standard, in relation to $10^{-12}\,\mathrm{W}$) taking no account of the attenuation NR

of the room

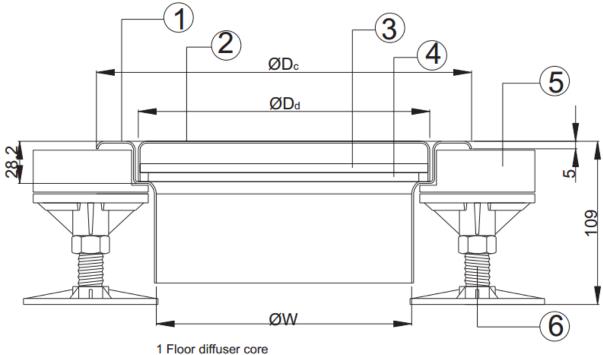
The pressure loss and noise level do not vary noticeably with the type of plate (a, b, c, or d)

WORKING PRINCIPLE



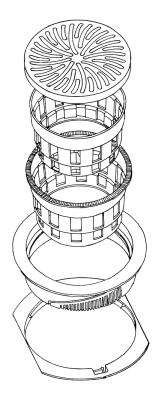






- 2 Diffuser surface
- 3 POL20/6 washable filter
- 4 Impermeability gasket
- 5 False floor
- 6 False floor profile

MOUNTING DETAIL







ORDER PARAMETERS:

