

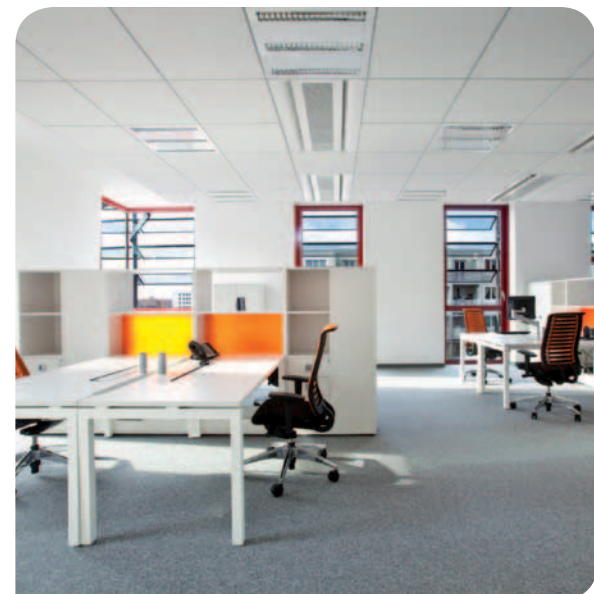
# Active chilled beams and induction units



IHK



VFKQ, Móstoles Hospital



VFK-600, ETDE offices



VFK-600, MSA Saintes offices

## Chilled beams selection software

KOMFORTAIR WATER® KOOLAIR  
Koolair © Madrid 2011. v 11.14.00

Vigo Frio Activo seleccionada: VFK-Q-600-P-4-LD---RAL

**Prestaciones técnicas**

**Datos de entrada**

Ambiente local	Refrigeración	Calefacción
T <sub>a</sub> (°C)	26	19
T <sub>r</sub> (°C)	26	19
H <sub>a</sub> (%)	45	-

**Aloja Primario**

Q <sub>o</sub> (m <sup>2</sup> /h)	30	30
T <sub>o</sub> (°C)	14	20

**Agua**

Q <sub>o</sub> (l/h)	95	100
T <sub>o</sub> (°C)	15	40

**Resultados**

Potencia	Refrigeración	Calefacción
P <sub>r</sub> (W)	244	475
P <sub>o</sub> (W)	224	405
P <sub>o</sub> (W)	120	10

**Agua**

ΔT <sub>o</sub> (°C)	2.0	-4.0
T <sub>o</sub> (°C)	17	41
T <sub>o</sub> (°C)	13.1	-
ΔP <sub>o</sub> (kPa)	1.0	0.2

**Aloja**

v <sub>o</sub> (m/s)	25	25
ΔP <sub>o</sub> (Pa)	115	115

**Difusión aire**

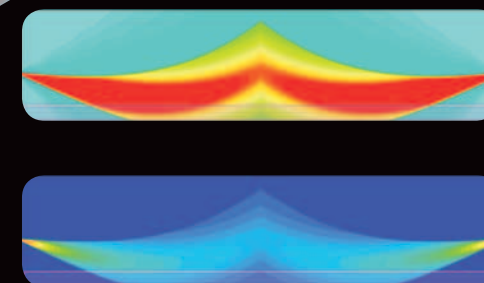
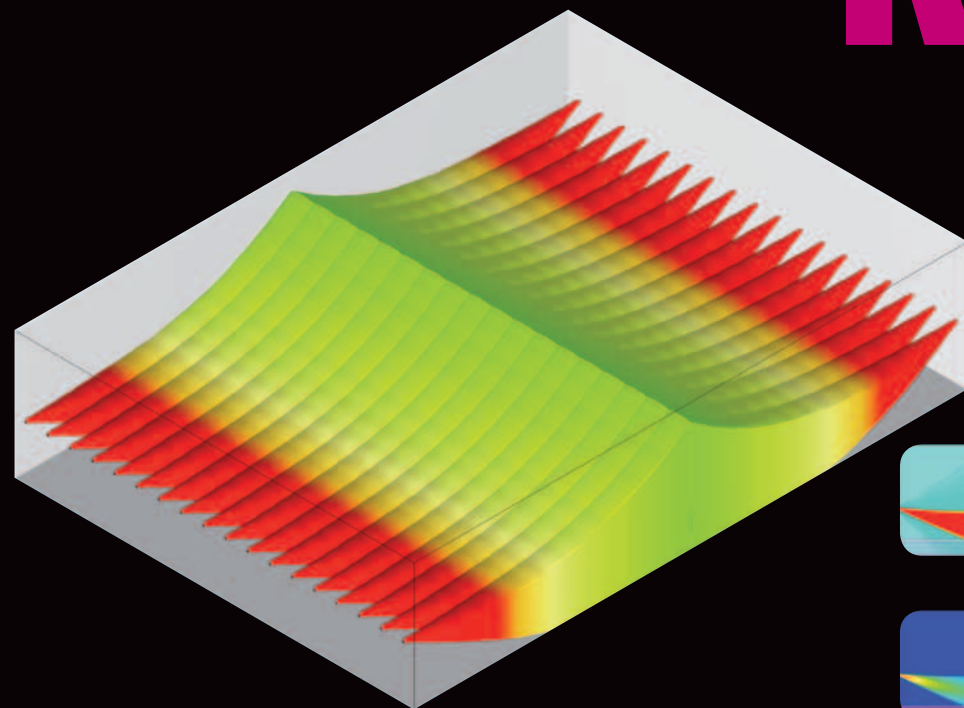
**Datos de entrada**

Distancias	Refrigeración	Calefacción
W (m)	2.5	2.5
H <sub>o</sub> (m)	1.8	1.8
B (m)	3	3
X (m)	2.5	2.5

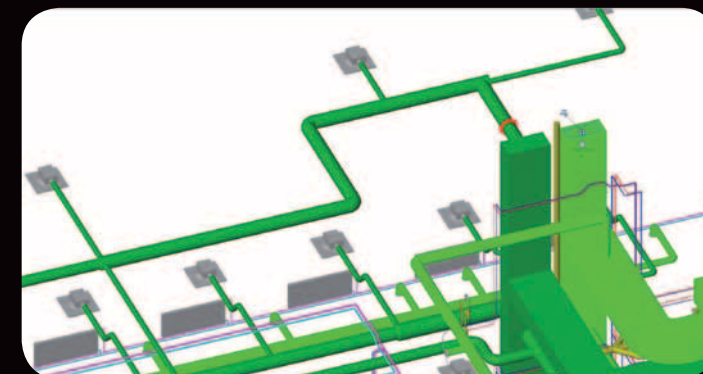
**Resultados**

Velocidades	Refrigeración	Calefacción
V <sub>o</sub> (m/s)	0.19	0.23
V <sub>o</sub> (m/s)	0.10	0.07
V <sub>o</sub> (m/s)	0.23	0.20

# Diffusion software **K3D**®



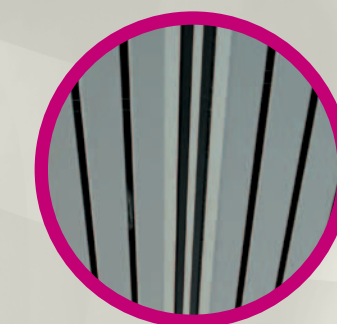
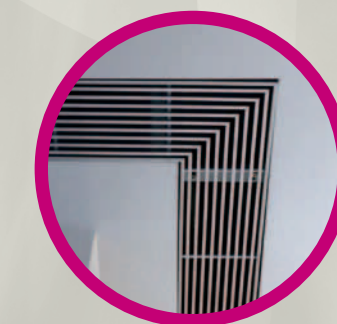
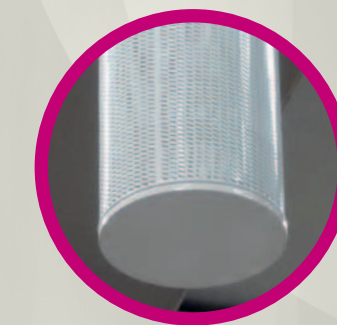
# Building Information Modelling (BIM)



**KOOLAIR**

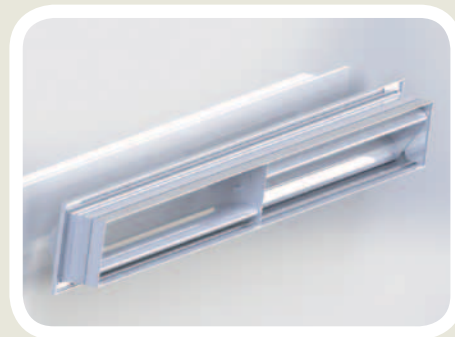
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# Koolair The power of diffusion



**KOOLAIR**





DF47-NARROW



# Linear diffusers adapted to suit the architecture

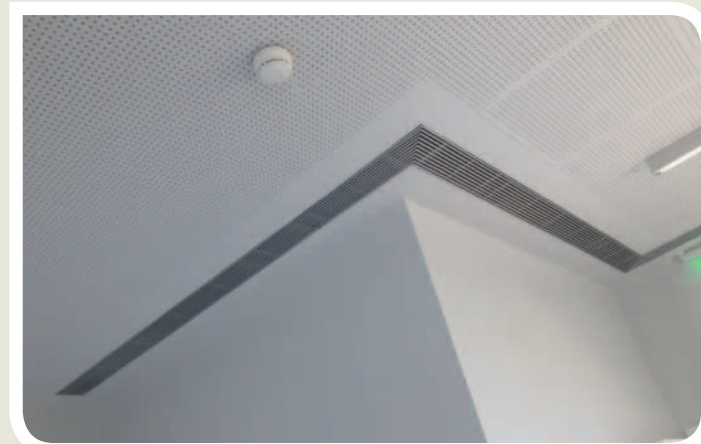


DFLIT-E, Retail

S-70 CONTINUOUS LINE, offices



S-30, offices



S-30, offices



# Variable geometry

for industrial applications

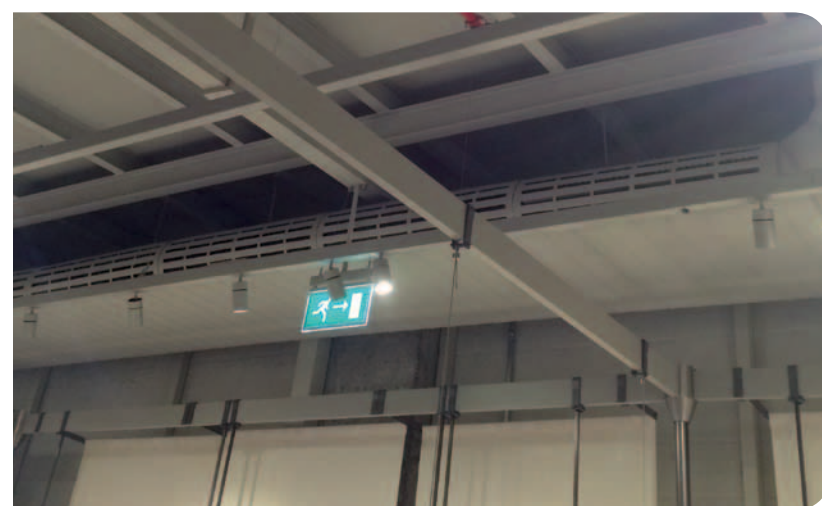


S90-GV production facilities

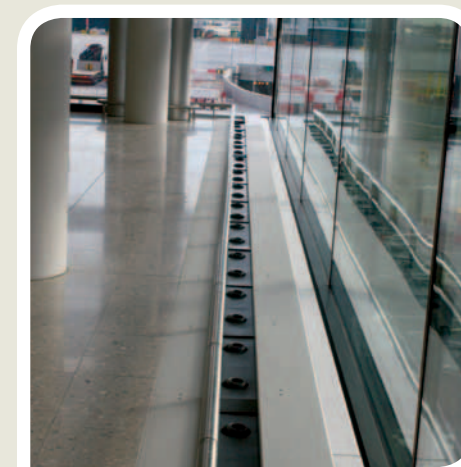


S90-GV production facilities

LK70-AC logistics warehouse

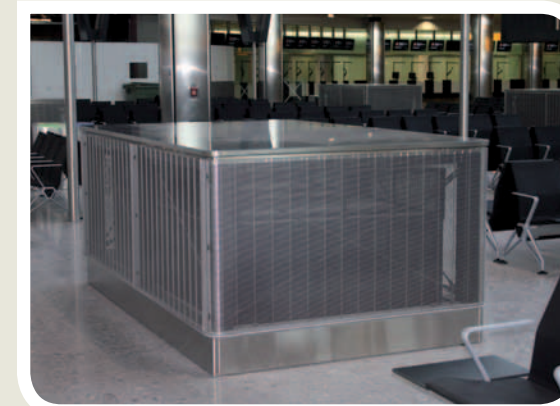


DF-49, Airport



DF-49, Airport

Displacement, S90-R, Airport



Special

# facilities



DFRE-P, Conference centre

DF49-ROT



Totem DF49, Swimming pool

