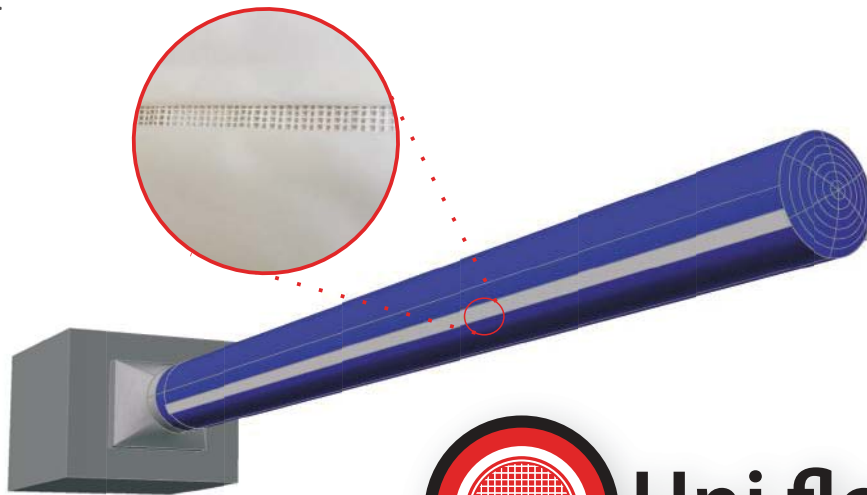


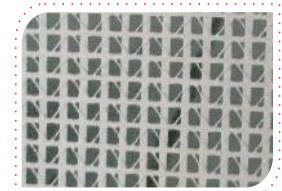
Uni-flow

This kind of diffusion is recommended when the duct will be installed less than 5 meters above the floor. It consists in the distribution of air through a mesh that allows it to disperse at low velocity (typically 5 m/s). The diffusing slot can be positioned anywhere on the surface area of the duct, depending on our clients requirements.

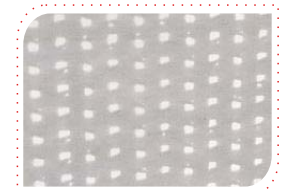
The width of each diffusing slot depends on various factors, like total airflow to diffuse, length of the duct, number of diffusing slots, height above floor, desired distributions of velocities and temperatures, among others. Using these factors, an optimal width for each slot is calculated, in order to insure a homogenous diffusion along the duct and guaranteeing the correct ventilation of the room.



Kinds of meshes



Airflow U1
65% free area



Airflow U2
35% free area

For more information, contact:



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MAK & Associates, LLC.
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www.mak-hvac.com



Uni flow

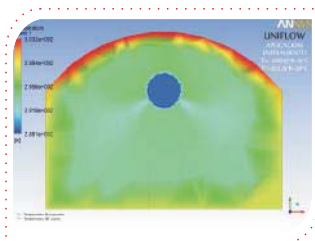
by dti

Behavior of air depending on ΔT :

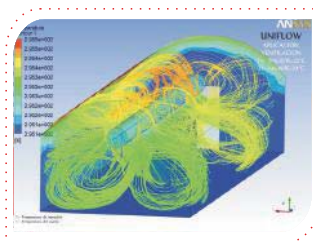
$\Delta T < 0^\circ C$

$\Delta T = 0^\circ C$

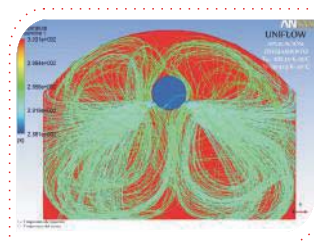
$\Delta T > 5^\circ C$



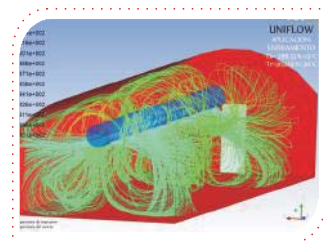
Front view



Isometric view



Front view



Isometric view

