ID INTUMESCENT DAMPER

DESIGN NEEDS

Sub-dividing buildings into smaller fire resisting compartments is a recognised method to limit the spread of fire. Building a fire resistant wall or floor to construct an enclosed compartment is relatively simple.

However, building design becomes much more complex when the compartments need to be linked for everyday use.

VENTILATION THROUGH DUCTING

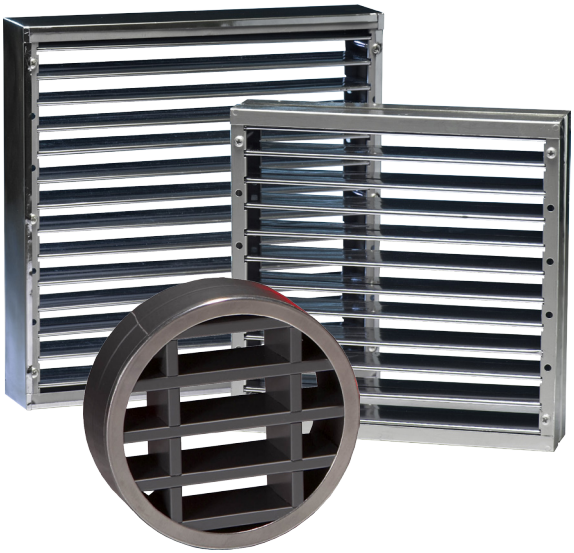
Designers recognise the need for buildings to be well ventilated for the health and comfort of occupants.

Frequent changes of air are required to flush out airborne infections, and warm and cool air needs to be circulated to maintain a comfortable temperature.

Experience has shown that ductwork can, in the event of fire, provide a conduit for fire, as well as the hot smoke and toxic gasses it produces.

As HVAC systems frequently penetrate fire compartment boundaries, it is these points that must be treated in an approved manner to preserve the integrity of the fire compartment.

The Lorient solution is to install a LVH44 intumescent fire damper into the duct at the point where it penetrates the fire resistant construction. This will effectively limit the spread of fire and restrict the passage of hot smoke and toxic gasses.



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