

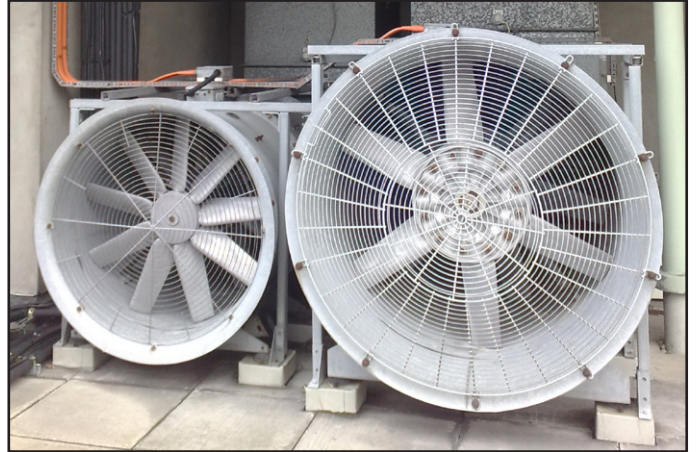
Stair Pressurization Systems by D+H UK

A pressurization system protects spaces from smoke by use of pressure differentials and air velocities through open doors.

They cover staircases, lift shafts, lobbies and corridors.

The system provides positive pressurization by injection of clean outside air to the space to be protected.

The stairwell is a priority in terms of protection, with airflow away from the stair being provided.



D+H UK have the experience with the design and on-site practical experience of stair pressurization systems, which is extremely important in order to ensure the whole process runs smoothly.

We have extensive experience with the service and maintenance of the systems, for example, where systems over 20 years old continue to provide reliable and effective protection.

System Operation

- + Supply air fans introduce air into the required spaces via ductwork / shafts and grilles. The fans should be located at ground level, away from rising smoke.
- + Pressure control is usually carried out by use of constant speed fans with pressure relief dampers or variable speed fans with pressure sensor control.
- + 'Air release' from the fire floor allows the air which enters the fire zone to escape enabling pressure differentials and open-door air velocities to be achieved. Various options are available by natural and / or mechanical means.

