



ESSMANN aeration and ventilation systems

The best air conditioning system is none at all.

Light and air are both equally important factors when it comes to improving people's quality of life. Fresh air creates a pleasant working environment in every respect. High air temperatures and old, stale air make people feel tired and are damaging to health. In contrast, "good" air improves productivity, reduces accident rates and contributes towards a content, motivated workforce. Natural ventilation makes use of a simple law of physics:

Hot air rises, with the thermals acting as a motor to drive the stale air out through controllable ventilators in the roof. This process is extremely quiet and can be tailored to particular site conditions. Additional electronic controls can be used to make the procedure even more convenient and effective, especially in multi-storey buildings or in situations where high standards of air quality must be met.

As far as mechanical aeration and ventilation is concerned, ventilators and a sophisticated, precisely calculated aeration system also have a part to play. In such cases it is extremely important that the volume of air actually required is determined with the utmost precision. The motto is: As much air as is required, right where it is really needed. This is the only way to reduce energy costs to an absolute minimum

