

Room ventilation systems

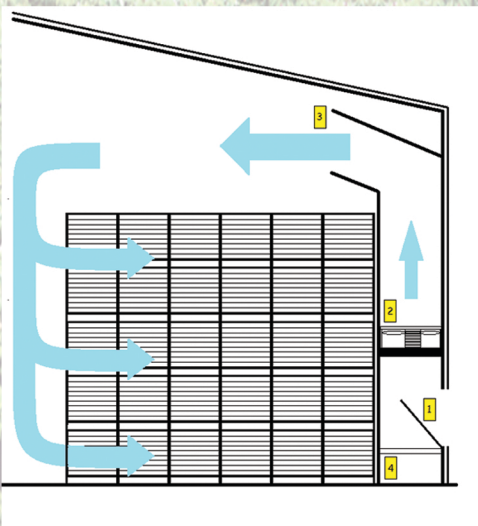
This technique is suitable for storage of the product. An advantage of room ventilation is that the room can be used efficiently. Depending on the height of the room boxes can be stacked up to 7.5 meters. Besides that the investment costs are low.



A room ventilation system creates an artificial airflow through the room. It is necessary to use standard open boxes. The air outlet is situated at the top of the system. The air is blown over the boxes to the other side of the room. As a result of the air suction from the bottom of the system the air circulation takes place through the boxes. An advantage of this system is a high storage capacity.

Boxes

For optimal results the use of open boxes is necessary. This makes air circulation through the boxes possible. The picture on the right shows such an open box.



The aircirculation

The picture on the left shows a schematic drawing of the aircirculation that takes place with room ventilation. The cold air enters through the hatch (1). When the weather-conditions are unfavorable the hatch is closed. In that case the air in the room will be used for circulation. The Fan (2) blows the air through the air outlet (3) over the boxes to the other side of the room. The suction from the bottom of the system (4) creates an air flow through the boxes. This results in an aircirculation through the room.