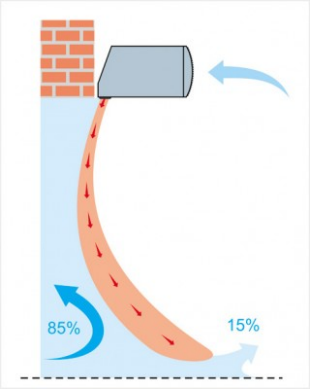
WHY INVEST IN AN AIR CURTAIN?

In buildings and businesses where entry doors are continually being opened and closed it is necessary to prevent the undesirable inflow of cold air during winter time.
Likewise, if the building is air conditioned then it is appropriate to protect the building during summer time against the entry of hot air.

A well designed air curtain **prevents the above mentioned thermal losses (also provides energy savings) of 75% to 85%**.
Operating costs are in the power consumption of the ventilators and the unused (loss) performance of the heat exchanger of 15 to 25%.
If we calculate the achieved savings from the use of an air curtain, in the majority of cases the return on investment period is in the range of 1.5 to 3 years.

HOW TO ACHIEVE MAXIMUM AIR CURTAIN EFFICIENCY AND THEREBY MINIMISE OPERATING COSTS?

CORRECT INSTALLATION



The air curtain needs to be installed as close as possible to the opening in front of the air curtain both in terms of height and distance from the opening in front of the curtain.
The ideal installation of the air curtain is on the top edge of the door.
The effectiveness of the air curtain depends namely on the volume and speed of the air stream coming out of the air curtain.
The volume of air blown out of the air curtain does not change with distance; however its speed rapidly declines.

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