SOLAN

Fresh Thinking in Refrigerated Transport

THE JET AIR

INTRODUCTION

Accelerated temperatures worldwide have intensified the problem of cool air leakage from vehicle cooling tanks. This leakage occurs upon opening the cooling doors and distributing goods at destination points.

The SOLAN story

SOLAN was established in 2005 by a professional engineering team combining 17 years of experience and expertise in setting up hundreds of projects within the industrialized cooling and air-conditioning fields in the Middle East.

Our goal has always been to design and manufacture creative solutions in the fields of cooling and air conditioning. Over the last few years we have been engaged in developing an innovative system providing invaluable advantages in refrigerated transport.

- ***Maintaining product freshness***
- ***Energy efficiency***
- ***Savings in operational costs***

Our "Jet Air" screen operating in 24VDC voltage is the ideal system for cooling vehicle cargo areas. It was developed on the basis of accumulated knowledge and understanding of the needs and problems encountered in food transport and distribution.

JET AIR ADVANTAGES

- ***Maintaining product freshness –*** Since the temperature remains steady without radical fluctuation, product freshness is continuously maintained assuring that the product arrives at a controlled temperature during the process of unloading – opening windows (introduction of warm air) – and distributing the goods (introduction of warm air) until reaching the final destination point.

- ***Fuel savings –*** Maintaining a constant temperature in the cooling tank prevents the initiation of the cooling unit function and ultimately reduces fuel consumption.

- ***Savings in engine hours of the cooling system*** – Reduction in unit activity hours will prevent reaching the annual hourly quota and "overtime" (cost of $0.9-1.5 + VAT/hour).

- ***Less wear and tear*** – as the unit's engine operating time is reduced, the wear and tear is less. Maintenance costs are decreased resulting in increased savings.

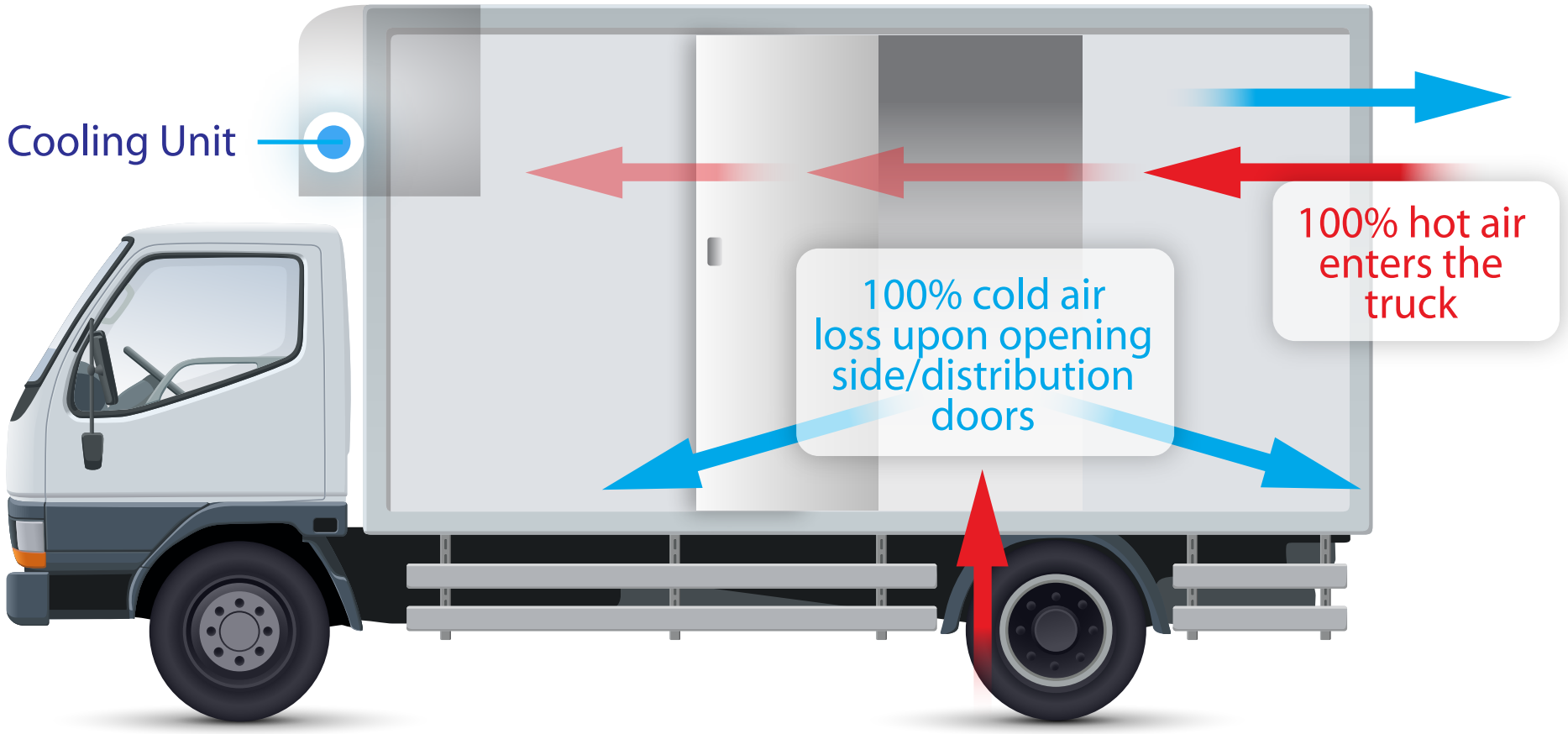
- ***Isolation*** – Prevention of cool air leaking outside and prevention of hot air entering inside. The cooled air is continuously maintained in the cargo area during door opening and closing for the purpose of product distribution. There is no leakage due to the airflow emitted from the air screen in high pressure bursts preventing the "cold air release" outwards.

- ***Reduction in "returns"*** – since there are virtually no temperature differences in the product, the controlled temperature delays the product from "going bad". The incidence of product returns is dramatically reduced.

PRODUCT FRESHNESS MAINTAINED ALONG THE CHAIN OF DELIVERY

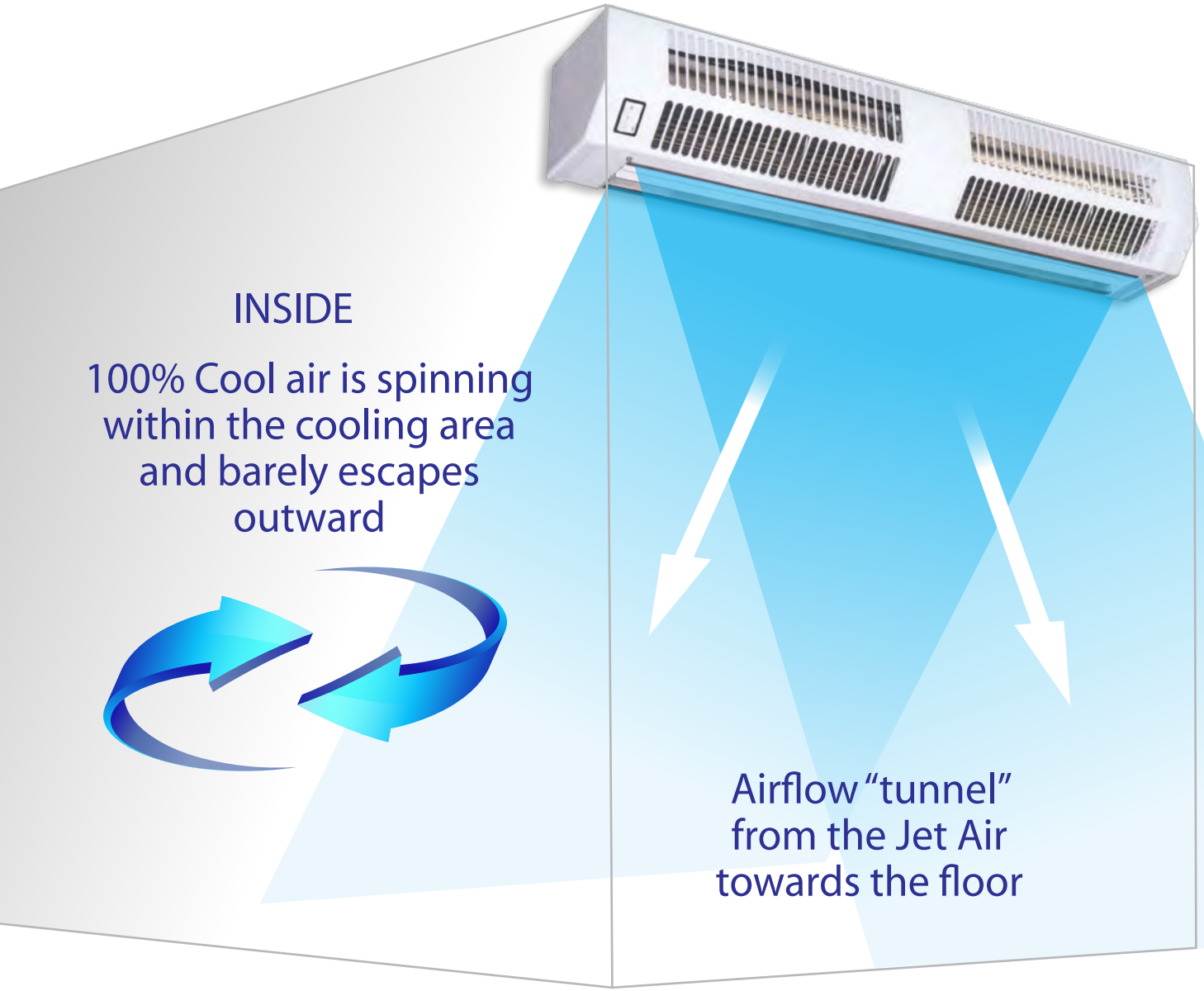
WHEN JET AIR IS NOT INSTALLED

SOLAN



OPERATION OF THE JET AIR

SOLAN



INSIDE

100% Cool air is spinning within the cooling area and barely escapes outward

Airflow "tunnel" from the Jet Air towards the floor

OUTSIDE

Entrance of hot air, dust, flies, bugs, smoke, odors, and vehicle's fuel emissions are prevented

OPERATION OF THE JET AIR

SOLAN