FRESH BOX

Effective refreshment of CO_2 with minimal energy consumption





- A more effective storage process yielding energy savings of as much as 70%
- Optimum control of CO_2 levels
- Reduced moisture loss thanks to minimised cooling
- Realise higher prices thanks to better frying colour index

TOLSMA GRISNICH

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→ Driving efficiency, ensuring quality

EFFECTIVE CO_2 REFRESHING

With the Tolsma Fresh Box, the air in the storage is being refreshed with optimal temperature and moisture conditions. This improves the product quality. The Fresh Box saves energy and prevents heat and moisture coming into the storage in warm periods and climates.



The Fresh Box controls, that warm fresh air that comes into the storage, is cooled down through a heat recovery unit and the CO_2 is removed outside, all fully- automatic. Additional cooling down is done by evaporation of water in the heat recovery unit. With the Tolsma Fresh Box, the air is refreshed with minimal power consumption and minimal temperature differences in the storage are ensured.

PLUG & PLAY

The mobile CO_2 refresher unit is plug and play. Hereby, quick and flexible refreshment capacity can be provided in the storage. The Fresh Box works as a stand-alone unit, but can also be connected with the Vision Control climate computer.



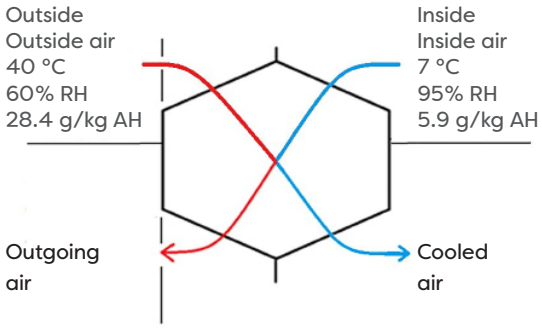
PRODUCT QUALITY

The refresher unit removes air with high CO_2 content in the storage to outside. Fresh outside air is supplied into the storage and this (warm) outside air is cooled down to avoid temperature increase in the storage. With optimal CO_2 control, higher prices can be realized thanks to a better frying colour index.

HIGHEST ENERGY SAVING

The Fresh Box will save energy costs significantly. It stops the entering of warm air and moisture into the storage and minimizes the operating hours of the fans and cooling system.

Specifications	Fresh Box CO_2 refresher unit
Dimensions (mm)	600 x 1,060 x 1,555
Weight (kg)	130
Number of fans	2
Number of heat recovery units	2
Outside temp. application area	0 - 50 °C
Inside temp. application area	0 - 10 °C
Refreshing capacity suitable for potatoes (in tons)	500
Maximum water consumption	0.7 m^3/h
Average water consumption	0.2 m^3/h



Subject to changes in construction and implementation and printing errors.

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