

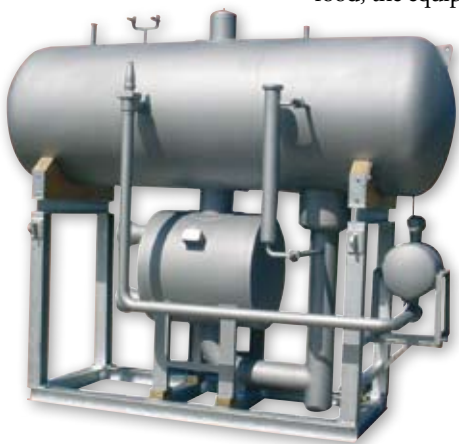
Safe and Efficient Refrigerating for Exotic Fruits



Tranter International AB has supplied parts of the refrigerating system for a new distribution centre built by fruit, vegetable and exotics importer Hillfresh International.

Tranter has provided and installed an NH₃ (ammonia) separator, NH₃ – CO₂ cascade heat exchangers, a CO₂ vessel and emergency coolers for the centre in Barendrecht (Netherlands) that will be completed by the end of the year. As this is a brand new system used for the cooling of delicate food, the equipment has to meet

the highest environmental and safety requirements.



The NH₃ – CO₂ cascade technology supplied by Tranter reduces the consumption of ammonia by almost 90%, thereby improving safety and making the system more environmentfriendly than conventional refrigerating solutions. The ammonia is also kept completely separate from the cooling area and does, therefore, not pose a safety risk to staff.

The distribution centre, with a storage area of 11,500m², has a whole of 21 cold storage units. In addition to reducing costs by operating more efficiently, the overall slimmer structure of the cooling equipment provided by Tranter has also been less expensive to build and install initially.

Hillfresh started importing and exporting fruit, vegetables and exotics in September 2007. The company brings in top quality products from throughout the world, focusing on supermarkets, exporters, wholesalers, and processing and food service companies.

Roy Trienes, Sales Engineer at Tranter, commented:
 “This contract has brought together a number of companies including Van Kempen, the experienced and capable refrigeration installing company. It is because of the cooperation between Tranter, Van Kempen and Hillfresh that this new technology has been delivered successfully.”



Performance: 2 x PW75 – 900 KW
 Cascade Heat Exchanger
 1 x PW17 – 10 KW
 Emergency Cooler

	<i>Plate side</i>	<i>Shell side</i>
Medium:	CO2	NH3
Pressure:	-1/40 bar	-1/16 bar
Temperature:	-20/50°C	-20/50°C

Dimensions: length 6000 mm
 width 3200 mm
 height 5770 mm
 weight 14.833 kg

SUPERMAX® SPW	
Temperature	-50°C to +350°C, C-steel
	-200°C to +900°C, SS & special material
Plate material	1.4404, Titanium & special material
Pressure	16/25/40 max. 100 bar