

# TURF & COMPOST VACUUM COOLERS



**Up to 80% savings on  
cooling space & energy**  
**Up to 90% savings on  
cooling time**

**The Fastest, most Uniform & Efficient Cooling Method**

- ✓ **Minimise Cooling Time**
- ✓ **Minimise Energy Costs**
- ✓ **Maximise Storage**
- ✓ **Maximise Transportation Time**



energy  
efficient



maintenance  
service



customer  
support

[www.heuch.com.au](http://www.heuch.com.au)

# Experience the fastest & most efficient pre-cooling method

Transform Your Turf Operations with Vacuum Cooling - Cut CO<sub>2</sub> Emissions!



Vacuum cooling is a rapid pre-cooling technology that utilises reduced pressure to quickly cool turf and mushroom compost. In the vacuum chamber, the low pressure forces approximately 2–3% of the moisture within the product to evaporate. The energy required for this evaporation is drawn from the product itself, resulting in a rapid drop in temperature. Because the vacuum is uniformly present throughout the chamber, cooling occurs consistently—even reaching the core of the product.

Vacuum cooling is highly effective for turf and mushroom compost, enabling thorough cooling, down to 0 – 5°C within just 30 – 45 minutes.

For short storage periods and medium shipping distances, a cooling temperature of around 5°C or higher is often sufficient. However, for long-distance transportation and extended storage, maintaining temperatures close to or below 1°C is recommended to preserve optimal quality.

*“With our 2 × 8 pallet cooler (each pallet 1.360 kg) we can cool down to 5°C in only 22 - 23 min. To reach 1°C we only need 30 - 35 min.”*

*Marty, IndySod, USA*

## WHY USE VACUUM COOLING



*Increase Shelf Life*



*Improve Transport Times*

**Shelf life & transportation time** of turf can be extended by up to 2 - 3 days (when cooling down to around 3 - 4°C | 37 - 39°F) or even up to a week (when cooled down to around 0°C | 32°F).

Distribution with refrigerated trucks is not strictly necessary anymore, although with high temperatures it is still recommended.



*Minimise Cooling Cost*



*Increase Profits*

**Minimising cooling costs** is key to increasing your profits. Although CO<sub>2</sub> cooling is widely used in the fresh turf industry, it is expensive. Vacuum cooling can reduce energy costs by approximately 90% compared to CO<sub>2</sub> cooling. As a result, the payback period on your investment is minimal, making it a highly cost-effective solution. The pay-back time of your investment (if you switch from CO<sub>2</sub>) will be max. 2 years. You start saving money as of day one.

**Savings with Hydronic Cooling:** We use water chillers to generate the cold needed in the vacuum coolers. By buffering the cold water, we can cool large volumes of turf & compost with a relatively small chiller. For greenfield operations, the cold water generated by the chiller can also be used to cool your cold rooms! We offer intelligent solutions that save on investment costs, installed power and on the amount of refrigerant used, while at the same time maximise your up-time and minimising maintenance & repair costs.



# Hydronic Cooling: Faster Cooling, Lower Emissions, Greater Efficiency

Explore the world of Heuch, where advanced cooling technology meets industry expertise, setting new standards in turf and compost preservation.



Up to 80% savings on cooling space & energy



Up to 90% savings on cooling time

## Our Range

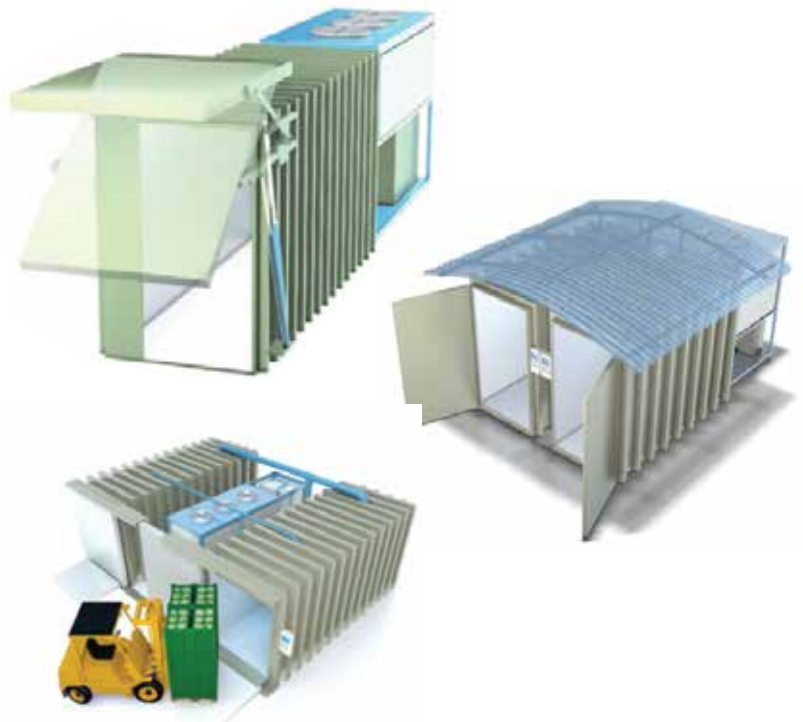
### STANDARISED SOLUTIONS

Our standardised solutions can handle 4, 6 or 8 standard pallets or bins, with around 1.000 kg of turf/compost.

Our dual room systems are designed for 12 - 16 pallets, and our triple room configuration can handle up to 24 pallets per load.

### TAILOR MADE SYSTEMS

We also offer Tailor Made Systems based on our standard range and Ultimate Solutions which are completely tailored to your specifications.



*"By using Weber Cooling's vacuum technology, we save on shipping costs, and are much more flexible in our delivery, and can provide our customers with absolutely fresh turf! No other solution could have provided us with such effective cooling!"*

## FASTER COOLING, BETTER TURF

From freshly harvested turf to nutrient-rich mushroom compost, maintaining optimal quality starts with the right cooling solution. Vacuum cooling isn't just about lowering temperatures—it's about preserving freshness, enhancing durability, and ensuring peak performance for your business.

We go beyond just providing advanced cooling technology. Our solutions are designed for seamless integration into your operations, backed by expert support to keep your processes running efficiently.

With Heuch, you're not just investing in a cooling system; you're securing a reliable partnership that helps you optimise energy use, reduce waste, and maximise product longevity.

## SEAMLESS IMPLEMENTATION & UNWAVERING SUPPORT

Heuch is dedicated to ensuring the flawless integration of our ice makers into your setup. From the initial consultation to post-sales support, our team is here to assist, ensuring you get the most out of your investment.

## HEUCH'S LEGACY IN THE COOLING INDUSTRY

Discover how Heuch is setting new benchmarks in the cooling industry, enhancing product quality, and offering solutions tailored to specific needs. Our commitment to innovation, affordability, and excellence makes Heuch the preferred choice for businesses across various sectors.

## MAINTENANCE & SERVICING

### RELIABLE EQUIPMENT IS CRUCIAL TO THE SUCCESSFUL OPERATION OF YOUR BUSINESS

Our highly skilled and experienced refrigeration service technicians are available 24 hours a day, 365 days a year and are fully supported by our in-house engineering team.

With technicians for industrial and commercial refrigeration services, air conditioning, solar energy, heating and cooling as well as breakdown services; you can be assured, whatever you need we have the right person for the job.



Australian owned  
& operated



24/7 Local servicing &  
maintenance team



Over 50 years of experience  
in HVAC cooling solutions

## CONTACT US FOR MORE INFORMATION

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Every roll, blade, and  
patch of turf benefits  
from cutting-edge  
cooling technology  
and unmatched  
freshness retention.



*"Your success is our success. We value long-term relationships with our clients, built on trust, excellence, and a shared vision of a world where sustainability and economic growth go hand in hand."*

Heuch is a proud distributor of Weber Cooling Fresh in Australia.



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