



## FUTURE-PROOFING MILK COOLING AT HOMESCALE FARM

### DRIVING DAIRY GROWTH WITH J & E HALL CONDENSING UNITS AND A HIGH-PERFORMANCE COOLING SOLUTION



#### PROJECT OVERVIEW

Homescale Farm based in Kendal, Cumbria required additional milk cooling capacity following increased production and higher delivery volumes. The existing cooling infrastructure was operating at full capacity, creating a risk of delays and temperature compliance issues. **DD Cooling Limited** was appointed to design and deliver a complete upgrade of the milk cooling system, including the supply and installation of a new bulk tank silo and associated refrigeration equipment.

#### THE CHALLENGE

With milk production increasing, Mr Robinson needed a reliable solution that would:

- Provide additional cooling capacity
- Ensure milk could be cooled within required time constraints
- Integrate seamlessly with existing cooling and production processes

A further complication was limited available space on site. The new bulk tank silo had to be positioned away from the existing tanks, while still allowing efficient milk transfer and access for collection vehicles.

#### THE SOLUTION

**DD Cooling Limited** designed, supplied, and installed a robust and energy-efficient cooling package, including:

- **1 x Mueller S-24000 bulk tank silo**
- **3 x JEHS-500-B3-M3 low-energy packaged condensing units**
- **3 x Electronic Expansion Valves**

Through detailed planning, site surveys, and coordination with the farm team, **DD Cooling** identified an optimal location for the new silo that maintained efficient workflow and ensured all cooling systems remained effectively grouped. Full technical design, drawings, and system sign-off were provided as part of the turnkey solution.



### BENEFITS

- Increased on-site cooling capacity to match rising production levels
- Reliable and compliant milk cooling within delivery timeframes
- Improved system efficiency using low-energy refrigeration equipment
- A future-proofed cooling infrastructure capable of supporting ongoing growth

The new cooling installation has transformed milk cooling operations at Homescale Farm, giving Mr Robinson complete confidence in his ability to meet increasing production demands both now and in the future. With the additional Mueller S-24000 bulk tank silo and high-efficiency J & E Hall condensing units in place, the farm now benefits from faster pull-down times, stable temperature control, and significantly increased overall cooling capacity.

The energy-efficient design helps reduce running costs while maintaining consistently high performance, supporting both sustainability goals and long-term operational savings. Importantly, the upgraded system integrates seamlessly with existing infrastructure, allowing day-to-day operations to continue smoothly without disruption.

By delivering a robust, scalable, and professionally engineered solution, **DD Cooling** has provided Homescale Farm with a future-proof cooling platform that protects milk quality, supports ongoing business growth, and ensures reliable compliance with industry standards—giving the customer lasting peace of mind.



### CUSTOMER TESTIMONIAL

*"We employed **DD Cooling** to provide additional cooling on site as we are aware that they are market leaders when it comes to farm milk production cooling systems. Glynn Simmonds met me on site, and from initial concept through to completion the whole process was made easy as **DD Cooling** took over the project including drawing provision, sign-offs, and technical design so that the operation could flow effectively with the additional silo and cooling implemented."*

**Mr Robinson (Owner, Homescale Farm)**