

PROFESSIONAL,
HIGH-QUALITY
REFRIGERATION &
AIR-CONDITIONING
SOLUTIONS.

MODULAR COLD / FREEZER ROOMS

**CUSTOM BUILT COLD / FREEZER ROOMS** 

**BLAST CHILLER / FREEZER ROOMS** 

**CELLAR / WINE COOLING ROOMS** 

**AIR CONDITIONING** 

**MODULAR COLD & FREEZER ROOMS** 

**INDUSTRIAL SPLIT UNITS** 

**BLAST CHILLERS** 

**AIR CONDITIONING UNITS** 

#### **EXPERTISE**

Whether you need a neatly fitted cold room or freezer for a small space, or multiple rooms for a large area, GGS are guaranteed to help.

#### **ONE YEAR WARRANTY**

A full year's warranty on all new cold and freezer rooms is available to all customers.

#### **OUR TEAM**

At GGS Cooling systems, you can rely on our qualified team to ensure your product is made, handled and installed to perfection.

#### **PAYMENT OPTIONS**

Different payment options are available to ensure flexibility for our customers, with finance available for up to five years, with a minimum spend of £1,000.

# THE RIGHT GOODS AT THE RIGHT PRICE WITH PROFESIONAL SERVICE

At GGS Cooling Systems, we provide professional, high-quality refrigeration and air-conditioning solutions.

Our cold rooms and freezers are designed to ensure optimum temperature and maintain the standard of your product. Each cold room design features the latest energy efficient technology, including walk-in rooms for large and small businesses, in all sectors.

From initial design to final installation, we use our extensive experience in temperature control to custom-build a solution for you and your business.

Based in Leeds, covering the whole of the UK,we can cater to any business needs within any budget. All our rooms are tailor-made with complete reassurance that they are built to lastwith complete reassurance that they are built to last.

"Having spent over 25 years in this industry, I've encountered a diverse range of customers. Our team has successfully tackled small spaces, intricate layouts, and large spaces, consistently providing solutions. Our satisfied clientele includes food manufacturers, dentists, veterinarians, butchers, restaurants, medical practices, cash & carries and even major supermarkets across the UK. At GGS, we take immense pride in consistently delighting our customers."



Rod Beigy, Sales Director.





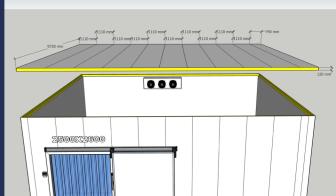
# TAILOR MADE TO YOUR REQUIREMENTS

At GGS, we expertly design and construct cold rooms tailored to your exact specifications. Our comprehensive installation services ensure seamless implementation, guaranteeing exceptional reliability, superior energy efficiency, and long-lasting performance.

We cater to a wide range of customers, including hotels, restaurants, vets, warehouses, supermarkets, and industrial kitchens, ensuring that our solutions meet the unique requirements of each. Our commitment to quality and precision ensures that every cold room we build supports optimal storage conditions and operational efficiency, helping your business thrive.

Trust GGS for all your cold room needs and experience unmatched service and excellence.







# MODULAR ROOMS WITH MONOBLOCK

A modular cold room is a versatile, prefabricated refrigeration unit composed of interlocking panels. These rooms are easily assembled and customised to specific sizes and configurations, providing efficient temperature control for various applications. Ideal for food storage, pharmaceuticals, and other perishable goods, they offer flexibility and quick installation.



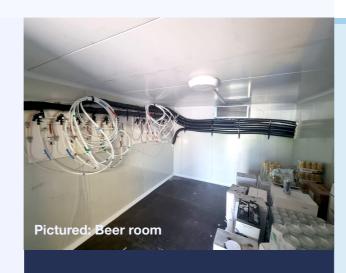
## INDUSTRIAL SPLIT DEVICE UNIT

**BOTH FRIDGE & FREEZER** 

A good installation process is crucial for the optimal performance and longevity of refrigeration systems, including cold rooms. Proper installation ensures that all components are correctly fitted and integrated, which is essential for maintaining the desired temperature and preventing energy wastage. It helps in avoiding common issues such as refrigerant leaks, improper airflow, and system inefficiencies, which can lead to increased operational costs and reduced lifespan of the equipment.

A thorough installation process includes precise alignment of mechanical and electrical components, accurate calibration of control systems, and rigorous testing to ensure everything functions as intended. This reduces the risk of breakdowns and costly repairs, enhancing the overall reliability and performance of the system.

Furthermore, a well-executed installation promotes safety by ensuring that all parts comply with industry standards and regulations. This not only protects the equipment but also the people working in or around the cold room. In essence, investing in a good installation process is essential for achieving energy efficiency, operational reliability, and safety.



#### **KEY BENEFITS**

- European standards & HACCP compliant
- High cooling efficiency
- Low noise level
- Automatic fan adjusts to environmental temperature changes
- Can operate in external temperatures of up to 50c
- Voltage protection replay presents electrical problems in case of phase loss, reducing any down time.

#### **GGS UNITS**

- Manufactured in accordance with the requirements of cold and frozen storage rooms (SCI.SC2.Sc3) and European Union standards. registered CE mark as standard.
- Hermetic, semi-hermetic and scroll compressors with air-cooled condensers.
- · Remote control panel
- Packaged according to external weather conditions.
- Outdoor unit delivered with nitrogen charge.
- High efficiency and great energy savings
- Suitable for GES projects
- · Minimum noise level

A split unit refers to a refrigeration setup where a single unit is divided into two sections: a cold room and a freezer room. This design allows for distinct temperature zones within the same space, catering to different storage needs. The cold room maintains a temperature range suitable for perishable items like fruits, vegetables, and dairy products, typically around 0 to 10°C. In contrast, the freezer room operates at much lower temperatures, often below -18°C, ideal for long-term storage of frozen goods such as meats and ice creams.

The importance of split units lies in their versatility and efficiency. By combining both a cold room and a freezer room in one unit, businesses can maximise space utilisation and streamline operations. This dual functionality is particularly beneficial for restaurants, supermarkets, and industrial kitchens where Frozen items needs to be moved to cold room for defrosting while kept in certain temperature before use.

For large-scale operations, split rooms offer substantial advantages. They provide extensive storage capacity while maintaining separate climate zones within a single expansive space divided in to two positive a negative temperature zone. This is particularly useful for distribution centres and large food processing facilities, enabling them to efficiently manage vast quantities of both chilled and frozen products under one roof for ease of moving products from one to the other one. An access door can also be fitted on the dividing wall for ease of moving refrigerated goods to the freezer part.





A blast chiller / freezer is a specialised refrigeration unit designed to rapidly reduce the temperature of food products, swiftly bringing them from hot to a safe, chilled state.

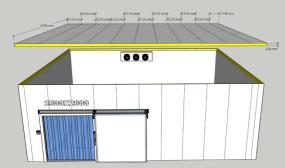
This rapid cooling process is crucial in maintaining food safety and quality, preventing the growth of harmful bacteria that can proliferate at moderate temperatures. Blast chillers typically operate by blowing intensely cold air over the products, ensuring fast uniform cooling.

The importance of blast chillers extends to several key areas. Firstly, rapidly lowering the temperature of products minimizes the risk of bacterial contamination, which can cause foodborne illnesses. This is particularly vital in commercial kitchens and food production, where maintaining high hygiene standards is paramount. Additionally, by quickly chilling food, blast chillers help preserve the texture, flavour, and nutritional value of food products. Slow cooling can lead to the degradation of food quality, resulting in undesirable changes in taste and consistency.

Blast chillers also streamline kitchen operations by allowing chefs to prepare food in advance and store it safely until needed. This is especially beneficial in high-demand environments such as restaurants, catering services, and food manufacturing. Furthermore, foods cooled in blast chillers have a longer shelf life, reducing waste and saving costs. This is crucial for businesses aiming to manage inventory more effectively and sustainably.

Blast chillers are essential in modern food service and production, ensuring safety, preserving quality, and enhancing operational efficiency.







# COMPLIANCE AND CERTIFICATION

Our Shock Rooms (SC4) are meticulously produced to meet stringent requirements and European Union standards, proudly carrying the registered CE mark as standard.

# ADVANCED COOLING TECHNOLOGY

Equipped with doublestage and screw compressors paired with air-cooled condensers, ensuring superior efficiency and reliability.

#### **CUSTOM DESIGNS**

We offer bespoke designs upon request, including compatibility with inverter technology for enhanced energy efficiency.



Features of Modern Air Conditioning Systems

#### **ENERGY EFFICIENCY:**

Advanced units consume less power, reducing energy bills.

#### SMART CONTROLS:

Integration with smart home systems for remote operation and energy management.

#### **AIR QUALITY**

**IMPROVEMENT:** Builtin air filters to remove dust, allergens, and pollutants.

#### **OUIET OPERATION:**

Designed to minimize noise, ensuring a peaceful environment.

#### **HUMIDITY CONTROL:**

Removes excess moisture from the air, preventing mold growth.

**DURABILITY:** Constructed with high-quality materials for long-lasting performance.

### **AIR CONDITIONING UNITS**

Air conditioning units are used to control the temperature, with dual function of producing hot and cold air as well as humidity control, and overall air quality in indoor spaces. Its primary purpose is to provide a comfortable living or working environment, particularly during hot weather. AC systems come in various forms and sizes, catering to residential, commercial, and industrial needs.

#### Types of Air Conditioning Systems

#### Window Units:

- Ideal for single rooms or small spaces.
- Easy to install and relatively affordable.
- Provides both cooling and dehumidification.

#### Split Systems:

- Consist of an indoor unit (wall or ceiling) and an outdoor unit.
- Quiet operation and efficient cooling.
- Suitable for homes and small offices.

#### Central Air Conditioning:

- · Provides cooling for entire buildings.
- Integrated with the ductwork of the building.
- High initial cost but efficient for large spaces.

#### Portable Air Conditioners:

- Mobile units that can be moved from room to room.
- · Require venting through a window or wall.
- Convenient for temporary cooling needs.

#### Ductless Mini-Split Systems:

- Similar to split systems but without ductwork.
- Flexible installation options.
- Ideal for retrofitting in homes without ducts.

# GGS COOLING SYSTEMS

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