



Supporting Global Health

Safe | Compliant | Trusted

About Dawsongroup tcs

Dawsongroup tcs is a global provider of advanced temperature control solutions, trusted by pharmaceutical and life science organisations across the globe. As part of the wider Dawsongroup, we combine international expertise with strong local insight to safeguard product integrity throughout the cold chain.

With extensive experience supporting the pharmaceutical sector, we understand the critical importance of regulatory compliance, operational reliability, and maintaining the highest quality standards. Our comprehensive range of solutions—including cold storage, stability rooms, clean room environments, and specialised processing spaces—is purpose-built to meet stringent industry requirements and deliver consistent compliance at every stage of your operation.

Beyond equipment, Dawsongroup tcs delivers assurance. Our long-standing partnerships with leading pharmaceutical and life science companies reflect our commitment to quality, trust, and performance. From *Q and validation support to GAMP5-audited monitoring systems and insurance-approved solutions, we provide fully compliant, industry-recognised environments designed to meet your operational and regulatory needs worldwide.



Why Trust **Dawsongroup tcs**?

- A proven and long-standing partner within the GMP and GDP sectors, trusted by leading pharmaceutical companies worldwide.
- Recognised for delivering dependable, high-quality solutions on time and fully compliant with the most stringent regulatory standards.
- FM/LPCB insurer-approved units with built-in redundancy, ensuring 100% back-up and operational security.
- Comprehensive qualification and validation support, including GAMP5-compliant data monitoring for full regulatory assurance.
- A reputation for reliability and flexibility, providing tailored solutions that mitigate risk and protect product integrity.



Dynamic Modular Rental Solutions



Think **Process**



Think **Space**



Think **Storage**



Think **Movement**

Scale

Dawsongroup tcs - meet your demands of any scale, from SME projects through to the largest bespoke facility requirements. We provide a standard range of single or linkable units and bespoke design & build CDM qualified project solutions for long-term needs.



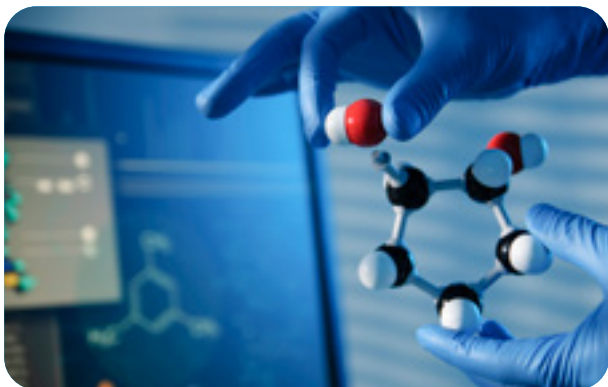
Agile | Bespoke | Configurable

Designed for Uncompromising Temperature Precision

Sigma Refrigeration Systems

Standard commercial refrigeration packages do not deliver the required finesse in performance of critical factors, such as reactive temperature control, uniformity of air distribution and reliability, often resulting in costly temperature excursions.

Dawsongroup tcs has specifically developed the Sigma refrigeration systems for the needs of the pharmaceutical and life science industries, providing a precise, stability-controlled temperature profile throughout the entire environment, ensuring vital product conformity.



Dual Refrigeration Systems

Each of our Dawsongroup tcs singular modular units are fitted with dual autonomous Sigma refrigeration systems providing full 100% back-up with auto-switch over the event of a fault occurring. The two systems are set to modulate lead run on a timer program to ensure balanced usage.

Operational Efficiency

Specifically designed for our modular units, the Sigma is the most cost-efficient refrigeration package available to the Biopharmaceutical industry. With extremely low noise emissions, the Sigma represents the best in modern technology and environmental savings.



Standard Range of Operation -40°C to +50°C

The Sigma refrigeration systems have an accurately controlled standard operating temperature range from anywhere between -40°C to +50°C. This enables each unit the flexibility to be used as a freezer, 2°C to 8°C chill, 15°C to 25°C temperature-controlled environment, or incubator, for all clinical trial and licensed bio-products. Whatever the nature of use, products are fully protected by multi-parameter temperature alarms.



Advanced Monitoring and Fire Protection



FM & Loss Prevention Certification Board, 'Red Book' Listed

Fire risk is a major concern and of growing relevance to the pharmaceutical industry's distribution cold chain. An ever-increasing level of scrutiny by insurance companies and under-writers regarding the integrity of storage and shipping methods apply, and especially the equipment used for these elements of distribution has led Dawsongroup tcs to lead the field. The Dawsongroup's range of units are constructed using Polyisocyanurate (PIR) insulation materials that give the entire structure a unique and certified fire-resistant rating. This exclusive feature provides additional protection to high value products within their manufacturing process or distribution networks.



Data Monitoring

As standard, Dawsongroup tcs Pharma spec units are fitted with data-loggers designed according to GAMP5 and support compliant traceability with 21 CFR Part 11, providing both hard copy and electronic temperature data. All units are fitted with sealed 2K2 monitoring probes that can be positioned as required by the temperature mapping results. Timed door open/shut events are also recorded, along with defrost operations and unit faults, which can be used independently or interfaced to a site's BMS. Ports are available for the easy connection of existing data-recording devices, while monitoring probes and low voltage I/O pickups are available for the other data signals and alarms.

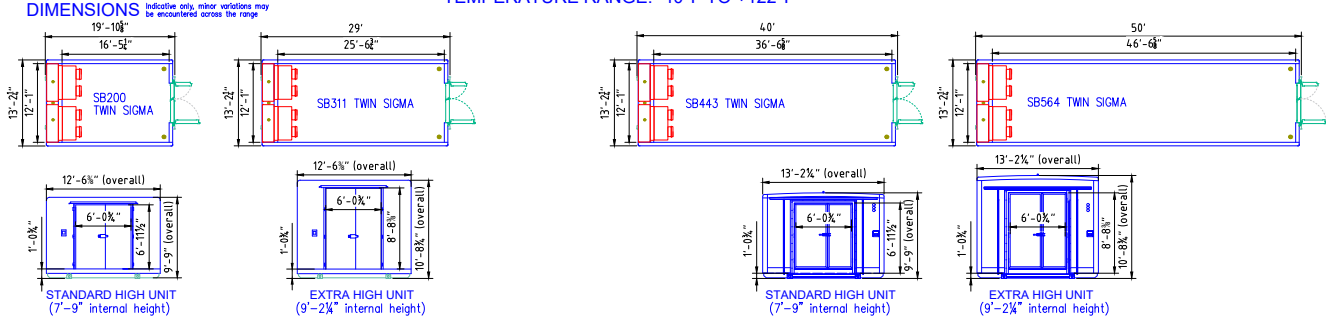
In addition, Dawsongroup tcs can fit each unit with a GPRS data logger, which is a cloud-based facility. This allows the user to access data in a remote and secure way with texts and e-mails generated as and when alerts are detected.



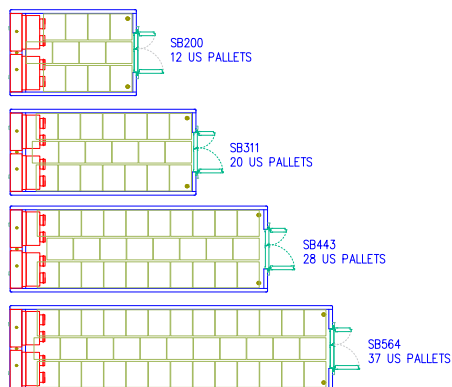
Modular Unit Types & Specifications

LPCB & FM APPROVED POLYISOCYANURATE (PIR) TWIN SIGMA PHARMA SPEC TEMPERATURE RANGE: -40°F TO +122°F

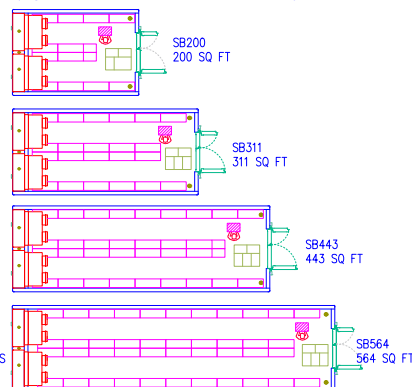
DIMENSIONS



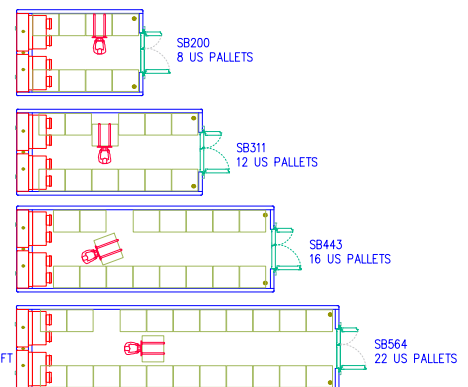
PALLETS: FULL CAPACITY



SHELVING CONFIGURATION (e.g. LINEAR SQM FOR 5 SHELVES HIGH)



PALLETS: CAPACITY WITH DIRECT AISLE ACCESS



Aftersales - Further Services



Full parts & labor warranty



Eutectic packaging conditioning units



Inclusive preventative maintenance and service package



Stability rooms



24/7/365 breakdown cover with 4hr response time



Clean room environment



Alternative commercial solutions



ATEX storage solutions



Additional humidity control environments

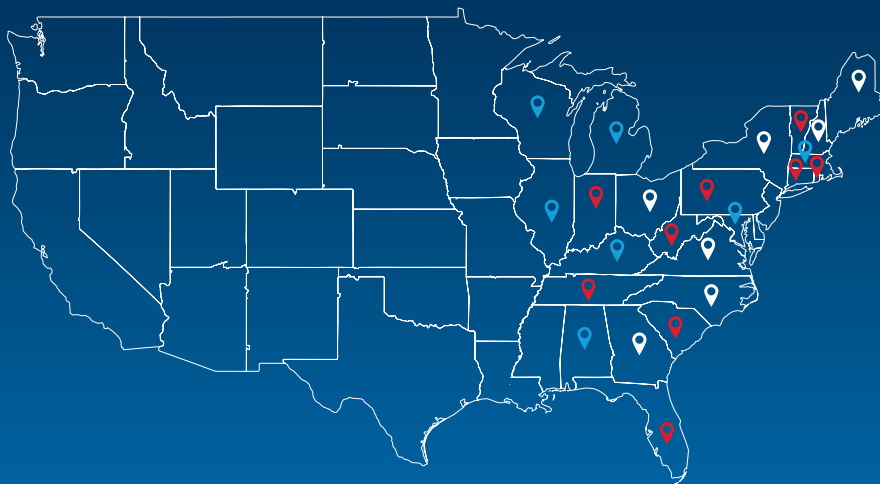
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Dawsongroup | tcs

Think **Global**
Act **Local**

Modular **Precision**, Delivered **Anywhere**.



dawsongroup.com

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SMARTER
ASSET
STRATEGY