

Dawsonpharma

Flexible temperature control solutions for pharmaceutical and biotech industries



- High value cold rooms
- Eutectic packaging blast freezers
 - Stability rooms
- Clean rooms environments

● Design ● Planning ● Construction ● Installation ● Service ● 24/7 Support

About Dawsonpharma

Dawsonpharma is a leading temperature control solutions provider to the pharmaceutical industry; part of Dawsongroup, a major European asset management company.



Dawsonpharma provides high value cold rooms, eutectic packaging blast freezers, stability rooms and clean room environments. Every design encompasses all pharmaceutical and biotech industry regulatory compliance requirements, including qualification and validation support, Gamp5 audited data monitoring systems, and insurance industry approval.

Uniquely, Dawsonpharma offers complete packages of design, planning, funding, construction, installation and 24/7 service support. The high-value, high-efficiency solutions you need, when you need them, for as long as you need them – all without major capital outlay.



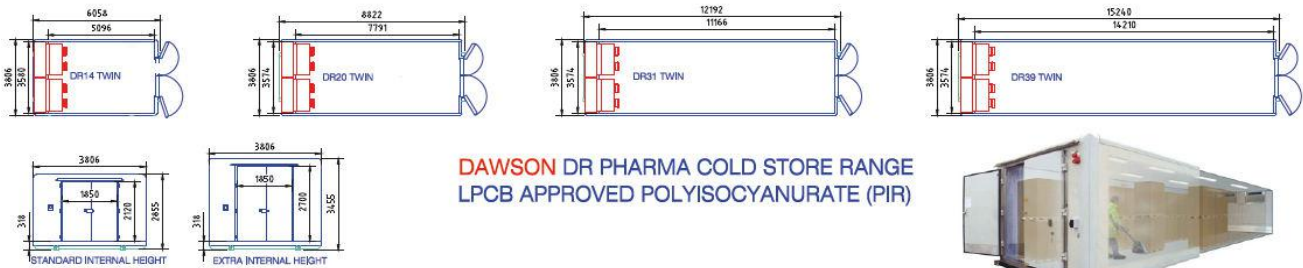
Your product integrity, reputation and obligations rely in part on the quality of your cold chain distribution network, and a major part of this is the cold room environments themselves. That is why the Dawsonpharma range has become a highly-proven, industry-norm; a range of units specifically designed to meet your exacting operational demands and guaranteed to deliver compliance and qualification with all your regulatory needs.

The commercial sense of utilising equipment run on a revenue-based budget is well proven; however, what historically has been an issue is the quality of available cold storage units. Dawsonpharma has examined the needs of its pharmaceutical and biotech customers in every detail, developing a genuine understanding and subsequently producing the most advanced cold storage units on the market.

www.dawsongroup.ie

Standard Range

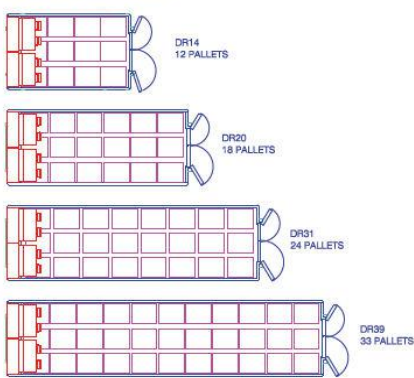
DR PHARMA RANGE DIMENSIONS



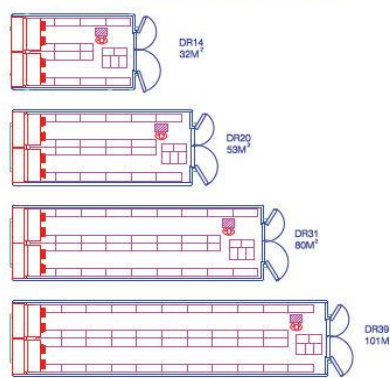
DAWSON DR PHARMA COLD STORE RANGE
LPCB APPROVED POLYISOCYANURATE (PIR)



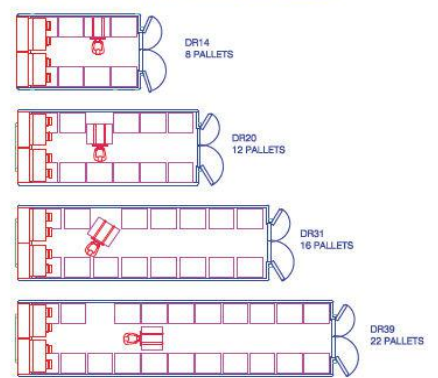
PALLETS: FULL CAPACITY



SHELVING CONFIGURATION (e.g. LINEAR M² FOR 5 SHELVES HIGH)



PALLETS: CAPACITY WITH DIRECT AISLE ACCESS



Key Features

Refrigeration Systems

Dawsonpharma has specifically developed the Dawson DR Pharma range for the needs of the pharmaceutical and biotech industries, providing highly accurate control and stability over temperature and air distribution settings. Standard commercial systems do not deliver the necessary finesse in performance of these critical factors, often resulting in costly temperature excursions. The refrigeration system guarantees a stable and precise temperature profile throughout the entire environment, ensuring vital product integrity.



Dual Refrigeration Systems

Each Dawson DR Pharma unit is fitted with dual autonomous refrigeration system providing full 100% back-up with auto-switch over in the event of the fault occurring. The two systems are set to modulate lead run on a timer programme to ensure balanced usage .

Operational Efficiency

Electrically, the dual refrigeration systems are the most cost efficient refrigeration package Dawsonpharma has ever made. Returning typical operating costs of less than 25% of other commercial units, the system can save over €125 per week reducing CO2 output by over 25tonne per year. With extremely low noise emissions, the system represents the best in modern technology and environmental savings.

Range of Operation

The refrigeration systems have an accurately controlled standard operating temperature range anywhere between -40°C to $+60^{\circ}\text{C}$. This enables each unit the flexibility of use as a freezer, 2-8 $^{\circ}\text{C}$ chill, 15-25 $^{\circ}\text{C}$ temperature controlled environment, or incubator, for all clinical trial and licensed pharmaceutical products. Whatever the nature of use, products are fully protected by multi-parameter temperature alarms.

Guaranteed 30min Fire Rating

– LPCB ‘Red Book’ Listed

Fire risk is a major concern and of growing relevance to the pharmaceutical industry distribution chain. An ever-increasing level of scrutiny by insurance companies and underwriters regarding the integrity of storage and shipping methods applied, and especially the equipment used for these elements of distribution, has again led Dawson to lead the field. Dawsonpharma units are constructed using Polyisocyanurate (PIR) insulation materials that give the entire structure a guaranteed 30min fire resistance. This unique feature provides additional protection to high value products within either their manufacturing process or distribution networks.

Data Monitoring



As standard, Dawsonpharma Spec units are fitted with data-loggers designed according to GAMP5 and support conformity with FDA21 CFR Part 11, providing both hard copy and electronic temperature data. All units are fitted with sealed 2K2 monitoring probes (PT100 used for control probes) that can be positioned as required by the temperature mapping results. Timed door open/shut reading are also recorded, along with defrost operations .

Temperature Mapping Services

Dawsonpharma can design and supply any temperature storage solution inclusive of fully documented temperature mapping reports that are GxP compliant. A 'Temperature Mapping Qualification Procedure', created in conjunction with your company's QA staff and RP, will provide a final report binder containing all relevant documentation, comments and recommendations. These usually include initial 'Empty' and 'Stress Testing with Product Loaded' reports, specifically adapted to individual needs. All mapping and reporting services are supplied by independent, highly respected, third party specialist suppliers, or we can work in conjunction with customers' own validation staff.

To illustrate our confidence in the new Dawsonpharma range, we have commissioned an independent 30point internal mapping report, which is available on request.



Site Surveys

It is essential for Dawsonpharma to carry out site-specific surveys to ascertain the best potential solution for each individual application and site. Our extensive experience and expertise has shown that partnership with our customers, and our own obsessive attention to detail, are often the keys to the successful supply and operation of cold storage facilities. It is in both parties' interests to merge and utilise the best resources available and Dawsonpharma has a team of highly experienced technical, project and construction staff to support customers' ideas and needs. As a minimum, site-specific delivery method and risk assessment reports in line with both parties H&S procedures are needed. This is part of our general service and

Further Services

- Web-based monitoring of multi-site/location storage systems
- Integrated Humidity Control within the storage facility
- Full bespoke 'Design & Build' service
- Inclusive Project Management and Qualified CDM control of larger projects
- Full Parts, Labour, Service & 24/7 Breakdown as standard

For larger storage capacity needs, **Dawson**pharma units can be interlinked and opened to form bespoke solutions.



If you require any further information regarding
the **Dawson**pharma range, please contact:

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www.dawsongroup.ie