

# 2018 BROCHURE



**Purever UK**  
Protecting what matters most

# Isark Coldroom



**Isark is an innovative modular coldroom which stands out from other traditional coldrooms.**

**It is the result of a major research effort which has involved professionals from a number of countries.**

**It offers practical and professional solutions to meet conservation and storage needs in hotels, restaurants, catering businesses, shops and commercial/industrial premises.**

**The Isark range was developed to combine:**

- Aesthetics and quality
- Ease of transport and assembly
- Economical price and low energy consumption
- Easy maintenance

**Isark is ideal for small spaces, the perfect solution for refrigerated space requirements where refrigerators and cabinets are no longer enough.**

**Due to its practical conception in assembly and operation, it is specifically recommended for:**

- Restaurants
- Fast Food outlets
- Retail premises
- Domestic use



**In addition, within the Isark range the Isark Plus is supplied fully equipped with:**

- Competitive refrigeration unit
- Aluminium shelving
- Interior skirting
- Coving sections
- Pressure relief valves (only required in negative temperatures)
- Additional extras sourced from our UK Supplier base



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**Isark** finishes guarantee quality and robustness as they are made in a modern plant meeting the most stringent European Standards. In both vertical modules and the roof panels, galvanised steel with epoxy paint is used which is suitable for use with food.

**Isark** has 92 standard models, with one single panel thickness, 85mm and two exterior heights.

The insulation is 85mm thick Polyurethane, with a 40kg density per M3 and finished in sheet steel lacquered in white food-safe.

The standard construction for negative temperatures is with flooring, for positive temperatures the room can be supplied with or without flooring, the floor panels are reinforced and have a resistant phenolic resin finish.

**Isark** positive temperature room without floors are supplied with a special PVC profile which includes the coving section. This assures easy assembly and a perfect finish and guarantees the thermal bridge.

**Isark coldroom with floor**



## Environment and Service

Environmental responsibility is no longer simply a business image strategy. Today it is as important as other economic and social sectors, when evaluating profit accounts and the companies market.

**Purever** contributes to sustainable development and acknowledges that this contribution generates confidence for customers, the market and the company in general.

Therefore, the **Purever** companies have implemented significant work in the field of R&D and a notable investment in non-polluting technology, which enables it to comply with the Kyoto Protocol.

**Isark** is manufactured with materials that respect the environment (**for example CFC and HCFC free Polyurethane insulation**), in modern factories and with cutting edge machinery that ensure permanent levels of quality.



Our logistics department, fully devoted to the customer, assures reliability and short lead-times, thanks to excellent warehouse and transport monitoring.

## Assembly

It is assembled from the inside, which in the case of small premises, enables you to take maximum advantage of the available space.

## Technical and Physical Characteristics

PLEASE NOTE OUR CEILING PANELS CANNOT SUPPORT MORE THAN AN EVEN DISTRIBUTION OF 10KGS. MAX. and will fail under any more weight. Therefore, if your weights are likely to exceed this, refrigeration/hanging rails MUST be supported independently.

### Isark Panels:

$K = 0,258 \text{ W/m}^2 \text{ degrees C}$

The difference between T1 (Interior) and T2 (Exterior) allow us to calculate loss of heat through the walls (Q).

The normal heat loss values are generally between 10 and 13 Wm<sup>2</sup> for a coldroom at positive temperatures and between 8 and 10 Wm<sup>2</sup> for coldrooms at negative temperatures. In the case of the Isark coldroom the values are below:

**At usual (Q) temperature loss 10 W/m<sup>2</sup> = 35°C**

**At usual (Q) temperature loss 13 W/m<sup>2</sup> = 50°C**

The maximum air temperature permitted is **40°** with a relative humidity of **90%**.



## Joint System

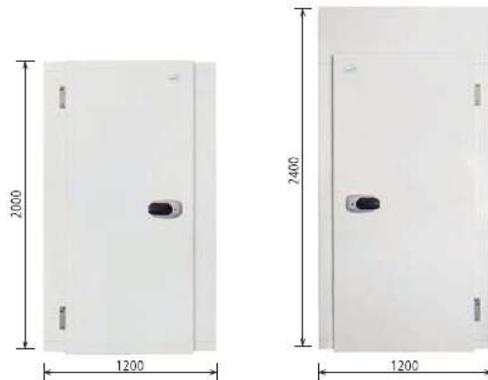
The modules are joined together thanks to the junction of two metal catches with an anti-corrosion treatment, fitted in high resistance PVC Casing. Assembly is quick and easy, without the need to make cuts.



During manufacture, reinforced plastic casings are fitted for assembly with the vertical and floor panels.

The joints are manufactured in extruded **EPDM**, and it is possible to replace them, should they deteriorate with time and use.

The hinges are composite (zero risk of corrosion) and the Fermod 421 closure has a lock and key opening system.



## Doors

The panel and door assembly of the entire **Isark** range is manufactured the same way as the panels. The outer face is galvanised sheet steel lacquered in 0.5mm white similar to RAL 9002.

Between the two steel plates, a rigid polyurethane foam is injected with a **40+/- 2kg/m3** density and an **85mm** thickness, free from **CFC** and **HCFCs**.

## Floor Panels

**Isark** modular floor panels are made of polyurethane injected at high-pressure and free of **CFC** and **HCFCs**. The **Isark** standard floor panel is recommended for conventional service demands.

The interior covering is **10mm** plywood (**CTBX**) coated with a brown non-slip **phenolic resin**. The material used is Finnish birch. The exterior finish in both cases is smooth galvanised sheet steel pre-lacquered in **25-micron** polyester in white, **reference 1006**, **0,50mm** thick with a protective polyethylene film.



### DETAILS OF THE FLOOR PANELS

| SIZES |          |
|-------|----------|
|       | 800 1200 |
| 1600  |          |
| 2000  |          |
| 2400  |          |
| 3200  |          |



## Accessories

### Shelving

Isark coldrooms can be equipped with shelving systems.

Following the philosophy of Purever products, these combine a functional and elegant design with quick and easy assembly with finishes designed to facilitate cleaning and maintenance.

In addition, its resistant materials guarantee a capacity per shelf of between 100 and 120kg. The adjustable legs of the shelves (up to 10), together with the angular assembly help it to adapt perfectly to the space available inside the coldroom.



### Coving Section kit

The coving section kits are composed of 2 parts, the PVC channel that is fixed to the wall and the white RAL 9002 profile which is rounded in the shape of a quarter circle, this then clips into the channel. For each corner there is also finishing part call an edge corner.



HYGIENIC PROFILE SET

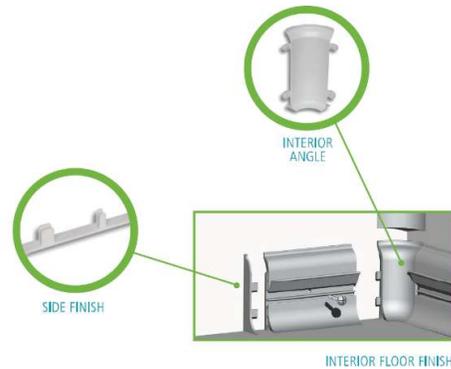
INSTALLATION

INTERIOR CEILING FINISH

### Skirting

The skirting boards are PVC Profiles in white fixed to the base of the vertical panels to ensure their protection.

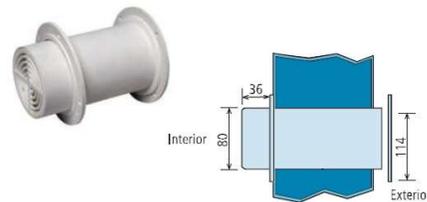
There are also PVC Parts intended to be fitted to the corners of the coldroom and onto the ends of the profiles.



### Pressure Relief Valve (Balancing Valve)

The assembly instructions for the coldroom are accompanied by a complete guide for this element.

The valve must be used according to the volume of the coldroom.



| TEMPERATURE INSIDE THE COLD ROOM |      |      |      |     |
|----------------------------------|------|------|------|-----|
| Volume (m <sup>3</sup> )         | <-20 | <-15 | <-10 | <-5 |
| <20                              | 1    | 1    | 1    | 1   |
| <50                              | 2    | 2    | 2    | 2   |



**Also available:**

- Fire Doors
- Refrigeration Units
- Matrix Coldroom
- Insulated Doors
- High Speed Doors

**For more information  
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