FrigoSys
Master Cold Enginering

PRODUCT CATALOG · 2026

COLD ROOM DOORS

# Automatic Sliding Door

## MOTORISED COLD ROOM DOOR FOR CHILLER AND FREEZER ROOMS

OTOMATIK SÜRGÜLÜ SOĞUK ODA KAPISI



**Inverter** DRIVE WITH ENCODER

**2 ×** REMOTE CONTROLS INCLUDED

**Photocell** SAFETY SYSTEM

ABOUT US · HAKKIMIZDA

# Frigo System

Frigo System was established by a highly experienced and dynamic team in the refrigeration industry. We carry out project engineering, production, assembly and service for industrial and commercial cooling systems, with a team specialised in energy efficiency and optimisation.

From a single walk-in cooler to multi-room cold storage plants, we supply cold room panels, doors and refrigeration systems from our factory in Türkiye to customers in the USA, Europe, the Caucasus, the Middle East and Africa.

### Automatic Sliding Cold Room Door

Our sliding cold room door with a built-in gearmotor drive. The door opens and closes automatically from the control panel or remote control, keeping cold-room openings short and traffic moving.

CONTENT · İÇINDEKILER

03 Features & Advantages
Özellikler ve avantajlar

04 Drive System
Tahrik sistemi

05 Technical Specifications
Teknik özellikler · Chiller / Freezer

06 Control & Safety
Kontrol ve güvenlik

07 Options
Opsiyonlar

08 Contact
İletişim

### Efficiency & Savings

The right process for each project — quality and economical work.

### On-Time Delivery

We deliver on the agreed date and service every job we do.

### Quality Workmanship

Quality materials, factory-controlled production and assembly.

### Export Ready

Packing, export documents and logistics handled in-house.

01 · ÖZELLIKLER VE AVANTAJLAR

# Features & Advantages

## Key Features

- Gearmotor fixed in the gap between door leaf and top rail — no extra load on the door
- Movement by a polyurethane toothed belt fixed along the top rail
- Inverter electronic board with encoder — continuous position and speed control
- The board memorises the door's operation
- Motor system built to European safety practices
- Photocell system that prevents anyone being locked in the room
- Control panel with automatic time setting · 2 remote controls supplied
- Manual operation without electricity

## Door Leaf

- Two leaf thicknesses: 92 mm for cold rooms, 120 mm for freezer rooms
- High-pressure injected polyurethane, 42 kg/m³
- Door leaf and frame in anodised aluminium to prevent heat transfer
- Freezer doors: 220 V, 25 W/m silicone-based heating element

### Where it is used

Busy cold room entrances — logistics and distribution centres, meat, fish and dairy plants, fruit & vegetable stores and freezer rooms with frequent pallet-truck and forklift traffic.

## Advantages

### Energy saving

Automatic closing keeps opening times short and the cold inside.

### Hands-free

Open from the control panel or remote — no need to stop the forklift.

### Precise movement

Encoder feedback gives smooth, repeatable opening and closing.

### Safe

Photocell protection and manual operation in case of power failure.

### No extra load

Motor sits in the top-rail gap, so the leaf carries no additional weight.

### Low maintenance

Toothed-belt drive with few moving parts.

02 · TAHRIK SISTEMI

# Drive System



**Gearmotor**
In the gap between leaf and top rail

**Control panel**
Automatic time setting

**Insulated leaf**
42 kg/m³ PU, 92 or 120 mm

**Toothed belt**
Polyurethane, fixed along the top rail

**Cable chain**
Power to the moving motor

**Anodised frame**
Aluminium, prevents heat transfer

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **Command** | **Inverter board** | **Encoder** | **Toothed belt** |
| Control panel or remote control | Controls motor speed and memorises the operation | Continuously reports door position and speed | Moves the leaf smoothly along the rail |



Top rail with roller carriage.

03 · TEKNIK ÖZELLIKLER

# Technical Specifications

| Specification | Chiller Type | Freezer Type |
|---|---|---|
| **Door type**<br>Kapı tipi | Automatic sliding cold room door, single leaf | |
| **Application**<br>Kullanım | Chilled storage (0 °C and above) | Frozen storage (below 0 °C) |
| **Leaf thickness**<br>Kanat kalınlığı | **92 mm** | **120 mm** |
| **Leaf insulation**<br>Yalıtım | High-pressure injected polyurethane, 42 kg/m³ | |
| **Leaf & frame**<br>Kanat ve kasa | Anodised aluminium, prevents heat transfer | |
| **Frame heater**<br>Rezistans | Not required | 220 V, 25 W/m silicone-based heating element |
| **Floor**<br>Zemin | No floor profile as standard · threshold available as option | |
| **Drive**<br>Tahrik | Gearmotor on the leaf · polyurethane toothed belt along the top rail | |
| **Motor control**<br>Motor kontrol | Inverter electronic board with encoder — position and speed monitoring, operation memory | |
| **Operation**<br>Kullanım | Control panel with automatic time setting · 2 remote controls supplied | |
| **Safety**<br>Güvenlik | Photocell system against being locked in · built to European safety practices | |
| **Power failure**<br>Elektrik kesintisi | Manual operation without electricity | |
| **Hardware**<br>Aksesuarlar | Standard door hardware<br>Option: stainless steel accessories | |

04 · KONTROL VE GÜVENLIK

# Control & Safety



### Control panel

Open and close the door from the control panel. Automatic closing time is set on the panel.

### Remote control

2 remote controls are supplied with every door — open the door from the forklift.

### Photocell

The photocell beam across the opening stops the door closing on people or goods and prevents anyone being locked in.

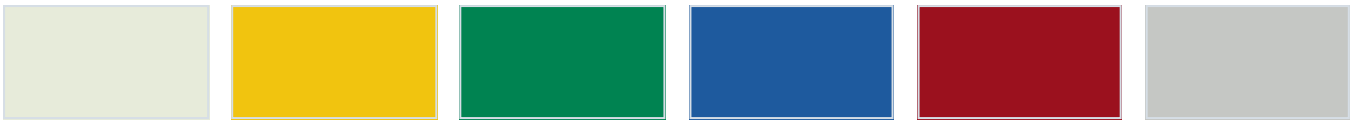
### Manual operation

Without electricity the door can be opened and closed by hand.

05 · OPSIYONLAR

# Options & Colours

Choose the leaf colour to match your plant's colour coding or corporate identity.



**RAL 9002**
Grey White · standard

**RAL 1018**
Zinc Yellow

**RAL 6024**
Traffic Green

**RAL 5015**
Sky Blue

**RAL 3000**
Flame Red

**RAL 7035**
Light Grey

Any RAL colour on request. Printed colours may differ slightly from the RAL scale.

## Options

### Floor threshold

Threshold at the door opening when required.

### Stainless accessories

Stainless steel versions of all door accessories.

### Hygienic surface

Seamless 1.5 mm antimicrobial GRP leaf surface.

### Complete cold room solutions

Automatic sliding doors are part of our full range: cold room sandwich panels, hinged, manual sliding, service and high-speed PVC doors, condensing units, monoblock and split units and central cooling systems — engineered and supplied as one turnkey package.

FrigoSys
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# Contact Us

For enquiries, quotations or technical support on our doors, panels and refrigeration solutions, get in touch with us.


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**Engineered for cold.**
**Built to last.**