

THE  
**HOTTEST PLACE**  
FOR ALL YOUR  
**COLD SOLUTIONS!**



## Icold - The Perfect Cold Room

A cold storage is a critical piece of infrastructure for many industries. Icold, an Elanpro group company, has an extensive experience in creating cold storages that offers different storage conditions in terms of temperature, humidity, fresh air, air flow, etc., to precisely suit different industry requirements. This has made Icold the major brand in Cold Storage domain.

### Icold solutions cover various Industries like:

Agriculture	Meat Processing	Hotels & Restaurants	Dairy	Ripening Chambers
R&D Labs	Floriculture	Sea Food	Vaccine Storage	Food Processing
Ice Cream	Healthcare	Horticulture	Industrial Canteens	Mortuary

### Technical Specifications

#### Panels

Panel thickness available from 80mm to 120mm. to hold the temperature for 6 to 8 hrs in case of power failure.

Fire Retardant PIR panels with availability of panels in 0.4mm to 0.8mm Stainless Steel PPGI panels. Fully insulated cold room with gasket.

**Doors** - Icold offers a complete range of insulated doors to complement its Coved Corner PUF panels.

The polyurethane foam insulation sandwiched between GI sheets makes the doors perfect for high-performance cold rooms.

**Thingify**- To get the authentic temperature monitoring system through Thingify.

- **Self-Closing:** Ensures door closes without any human interaction
- **Safety Feature:** Doors can be opened from inside, Door alarm with emergency push bar button, exit knob.
- **View Port:** Helps view products stored inside without opening the door, which is convenience and saves power too
- **POSI Seal:** Provides perfect alignment of frames and ensures perfect closing movement
- **Sweep Gasket:** Air-tight heavy-duty sealing gasket below the door remains flexible at any temperature
- **Thermal Break:** Eliminates thermal conductivity which otherwise leads to condensation and ice formation
- **Rubber Gaskets:** Rubber gaskets in between panels



Eco Star Inverter Unit



Bitzer Air/Water Cooled Unit



Bitzer Rack Systems



Condensing Unit

### Combined Strength in After Sales Support

Elanpro and Icold have been well known for their excellent service support in the entire industry. Now, the strength is multiplied!

Network grows larger; Reach and Resources multiply.

With a team of specially trained technicians placed at over 25 destinations across India, our esteemed customers would get quick & seamless service support. Elanpro and Icold dealer-partners based in different locations help our customers with perfect installations and together we will ensure excellent after sales support and availability of genuine parts at all times to avoid down time of your business.

### Microprocessor Controller and Power Panel

Icold cooling solution come with intelligent microprocessor-powered controllers, Temperature monitoring System which are BMS compatible and HACCP proVi5io ed (available in select models).

Ready-to-use power panels which make electrical connections simple, safe, fast and long-lasting are available

with every refrigeration unit. Other features of power panels are:

- Powder-coated weather proof housing
- Protection against common electrical failures
- Interlock of safety features

### Icold - Wide Range of Refrigeration Units

Icold offers a wide range of both evaporating and condensing units. It includes both Air-cooled and Water-cooled condensers, with technology from the world leaders.

Depending on the application, different temperature zones need to be maintained: Low (-23°C to -5°C), Medium (-5°C to +2°C), High (+20°C to +15°C) and for blast application (-35°C to -40°C).

- Stainless steel body offers excellent corrosion resistance
- Inner grooved copper tubes for superior heat transfer
- In-built defrost heaters for low-temperature units
- External rotor driven fans with low noise levels
- Removable side panels for easy service

# Accessories



Door Handle



Door Closer



Digital  
Temperature  
Display



Rotating Knob



Door Hinge



Control Panel

- Energy run hour meters
- Plum Guard
- Alarm system with battery back up.
- Stabilizer for refrigeration unit with surge protection
- Temperature monitoring system  
Wifi enabled.

# Floor Finishes



Altro Flooring



Aluminum Chequered  
(Available in 1.2/2/3 mm)



1.2 mm Dimple Plates  
embedded in floor pan



Kota Stone Tiles: This type of  
Flooring is used either on PUF  
Slab or on GI Cladding Floor  
Panels



with Anti-Skid flooring

# Optional Accessories



Internal Ramp  
used where sunken flooring not available



Strip Curtain  
as required



View Port  
heated or normal



Pressor Relief Port



Cubik

Slim  
Stainless Steel Housing  
SLIM-S2 SS SIZE : 0.8m x 0.580m x 0.170m  
SLIM-S3 SS SIZE : 1.150m x 0.580m x 0.170m

Blast Freezer



Condensing Unit

### Technical Specifications

TEMPERATURE @ 2°C to 6°C									
Room Size and Equivalent Model no.	Refrigeration Capacity KW	Refrigerant	Temp. Range °C	Loading Temp. °C	Max. Loading (Kgs/Day)	Ambient °C	Power Consumption (KW)	Power Supply (V/Ph/Hz)	Defrosting
6' x 8' x 8' and CH-12 and S2 SS	3.51 Kw	R-134a	2 to 6	30-35	250	40 to 43	1.3	220V/1Ph/50Hz	Air Off-Cycle / Electric
8' x 8' x 8' and CH-12 with S3 SS	3.51 Kw	R-407c	2 to 6	30-35	540	38 to 42	1.5	220V/1Ph/50Hz	Air Off-Cycle / Electric
12' x 12' x 9' and CH-15 and EILS-4515	4.39 Kw	R-407c	2 to 6	30-35	770	38 to 42	2.4	220V/1Ph/50Hz	Air Off-Cycle / Electric
15' x 12' x 9' and CH-19 and EIMS-4520	5.85 Kw	R-407c	2 to 6	30-35	1000	38 to 42	3.4	400V/3Ph/50Hz	Air Off-Cycle / Electric
15' x 15' x 9' and CH-21 with EIMS-6220	6.14 Kw	R-407c	2 to 6	30-35	1200	38 to 42	3.4	400V/3Ph/50Hz	Air Off-Cycle / Electric
30' x 20' x 9' with CH-40 and EIMS-12403	12.29 Kw	R-407c	2 to 6	30-35	2500	38 to 42	5.3	400V/3Ph/50Hz	Air Off-Cycle / Electric
LOW TEMPERATURE @ -16°C to -20°C									
5' x 6' x 8' with CL-4 and EILS-1804	1.17 Kw	R-404a	-16 to -20	-10 to -15	100	38 to 42	1.5	220V/1Ph/50Hz	Electric
6' x 8' x 8' with CL-6 and EILS-1806	1.76 Kw	R-404a	-16 to -20	-10 to -15	200	38 to 42	2.0	400V/3Ph/50Hz	Electric
8' x 8' x 8' with CL-8 and EILS-2308	2.34 Kw	R-404a	-16 to -20	-10 to -15	350	38 to 42	2.8	400V/3Ph/50Hz	Electric
10' x 10' x 8' with CL-10 and EILS-2710	2.93 Kw	R-404a	-16 to -20	-10 to -15	500	38 to 42	3.4	400V/3Ph/50Hz	Electric
12' x 14' x 8' with CL-14 and EILS-4514	4.1 Kw	R-404a	-16 to -20	-10 to -15	1000	38 to 42	4.3	400V/3Ph/50Hz	Electric

#### Basic of Design:

1. Loading considered 50 kgs/sq. mts for Chiller and 30 kgs/sq. mts for Freezer room.
2. Door Opening : 5 to 6 times/hr.
3. Environment Friendly Refrigerant.
4. We provide Electrical safety rating IEC60364-1

#### Note:

Data is at standard rating and it may vary according to application/site/ambient conditions.

Specification/data is subjected to change without prior notice.

Low temperature unit are available in option of Hermetic/Semi-Hermetic as per customer requirement.