

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	Pharmaceuticals	Food Processing
Ice Cream	Healthcare	Horticulture	Industrial Canteens	Mortuary

Technical Specifications

Panels

Icold's new range of pre-fabricated insulation panel systems are easy-to-use interlocking panels that can be used to create cold rooms of any size at the site. Manufactured in a wide range of profiles, thicknesses and finishes, these systems can be used to create cold stores at the site and of any size - from small walk-ins to very large cold rooms.

Doors

Icold offers a complete range of insulated doors to complement its world-class environment-friendly PUF panels.

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

- **Self-Closing:** Ensures door closes without any human interaction
- **Safety Release:** Doors can be opened from inside
- **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



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 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



Display Coldroom

- 2 to 6 nos glass door
- Temperature range 2°C to 8°C
- 80 mm PUF panel
- Aluminium checkered flooring
- Adjustable shelving
- Double layer tempered glass door

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



Galvanized Sheet
(Available in 0.8/1.0/1.2/1.5 mm)

Optional Accessories



Internal Ramp
used where sunken flooring not available



Strip Curtain
as required



View Port
heated or normal



Pressor Relief Port



Cubik



Slim



Blast Freezer



Condensing Unit

Technical Specifications

TEMPERATURE @ 2°C to 6°C									
Refrigeration 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
CH-8	2.34 Kw	R-134a	2 to 6	30-35	250	40 to 43	1.6	220V/1Ph/50Hz	Air Off-Cycle
CH-12	3.51 Kw	R-407c	2 to 6	30-35	540	38 to 42	1.9	220V/1Ph/50Hz	Air Off-Cycle
CH-15	4.39 Kw	R-407c	2 to 6	30-35	770	38 to 42	2.4	220V/1Ph/50Hz	Air Off-Cycle
CH-19	5.85 Kw	R-407c	2 to 6	30-35	1000	38 to 42	3.4	400V/3Ph/50Hz	Air Off-Cycle
CH-21	6.14 Kw	R-407c	2 to 6	30-35	1200	38 to 42	3.4	400V/3Ph/50Hz	Air Off-Cycle
CH-42	12.29 Kw	R-407c	2 to 6	30-35	2500	38 to 42	5.3	400V/3Ph/50Hz	Air Off-Cycle
LOW TEMPERATURE @ -16°C to -20°C									
CL-4	1.17 Kw	R-404a	-16 to -20	-10 to -15	100	38 to 42	1.5	220V/1Ph/50Hz	Electric
CL-6	1.76 Kw	R-404a	-16 to -20	-10 to -15	200	38 to 42	2.0	400V/3Ph/50Hz	Electric
CL-8	2.34 Kw	R-404a	-16 to -20	-10 to -15	350	38 to 42	2.8	400V/3Ph/50Hz	Electric
CL-10	2.93 Kw	R-404a	-16 to -20	-10 to -15	500	38 to 42	3.4	400V/3Ph/50Hz	Electric
CL-14	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.

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.

