

How to choose cold rooms storage

cold room Specification

1. compressor
2. refrigeration Parts
3. PU insulation sandwich panel board
4. air cooler
5. Condenser

Feature of freezer cold rooms ,refrigerated chiller and freezer ,cold room /chiller room, cold storage room, cooler room,Cold storage /cold store/ walk in freezer room / cold room, cold storage room, chiller room, cooling room:

Polyurethane insulation board design for cold room, the main steel structure to facilitate construction. Portable sliding doors, and out of cold storage more convenient, easy to operate. Water defrosting evaporator defrost faster, save operating costs. Cold storage door with anti-shock protection, an increase of reliability. projects.

- (1) Temperature range: $-40^{\circ}\text{C}\sim+20^{\circ}\text{C}$ are all available.
- (2) Size: Customize.
- (3) Functions: fresh-keeping, freezing, quick-freezing, fire-proof, explosion-proof, air-conditioning are all available.
- (4) Fully automatic control system.
- (5) Easy to install and dismantle
- (6) Temperature Alarm
- (7) Data Logger
- (8) PLC electric control (LG,SIMENS, OMRON..famous parts)
- (9) Refrigerant:R404A or other

Components:

- (1) Condensing unit: Germany Bitzer, America Copeland, Italy Frascold ,China brand Etc.
- (2) Evaporator: FST air-cooler.
- (3) Insulation Panel: PU,
- (4) Other accessories: world-famous brands, like Danfoss, Castle, Every Control, Siemens, LG,Schneider

Application of cold room:

Food (meat,pork, beef,chicken freezer room, vegetable, fruit, dairy, drink chiller room (cooler room...), Medicine, Chemical, Electronics...

Doors:

- 1). Swing door and sliding door for choice.
- 2). Swing door: manual opened, automatic, etc.
- 3). Door board made with special pressing technology PU material.
- 4). Door frame: color steel or stainless steel.
- 5). Surface material: color steel or stainless steel with protecting film.

Panels:

Cold room insulation panel: use 100% polyurethane insulation panel, density about $36\sim42\text{kg/m}^3$, with gasket, with flame retardant, fire-resistant panel thickness: $50\text{mm}\sim200\text{mm}$, standard width of panel is 960mm

Evaporator type

Air Cooled Type	Ceiling type DL (5-20℃) DD (-5~+5℃) DJ (-18~-20℃)
Aluminum shelving	Customize -18℃ or -35℃
Evaporator Cooled Type	Evaporator Condenser DJS (-30~-40℃)

Room size type

Room size	Mini	Small	Middle	Big
volume range	200m ³	200~1000m ³	1000~5000m ³	>5000m ³

temperature table for reference

cold storage goods	temperature range
processing room	10℃
fruit, vegetable, dry food	0~-5℃
medicine, cake, pastry, chemical material	0~-5℃
ice storage room	-5~-10℃
fish, meat storage	-18~-25℃
deep freezer.	-25C~-35℃

compressor type and condenser

compressor type	bitzer(Germany)	Frascold (Italy)	Copeland (US)	China brand
condenser	air cooled	water cooled	Evaporator	

Panels information

office Foam panel	50mm thickness
processing room 10C	50mm/ 75mm PU
-5℃	75mm/ 100mm PU
-18℃	100mm/ 150mm PU
-25C/ -35℃	150mm/200mm PU
panel steel cover	SS, GI, aluminum etc

