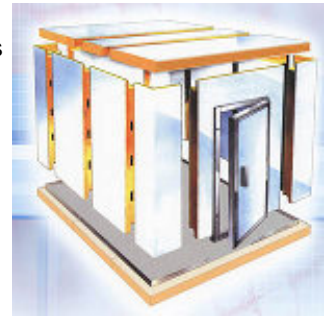


## Cold Room Small and Medium

**The need** Food poisoning is generally caused by lack of hygiene, or preparation storage, transport and pathogens such as Salmonella, E. Coli and spore are present in variety of raw food from poultry to eggs and pork to vegetables. Food preparation at incorrect temperatures can cause infectious pathogens and mold toxins, main sources of even fatal poisoning. The modern society with its want for diversity, eating-out and ready-made need has created an intricate food chain that often spans continents! This has in turn made it indispensable to keep temperatures under close scrutiny.

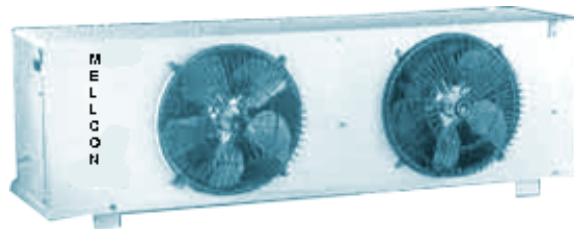
**Mellcon** Engineers are the manufacturers of complete range of Cold Room and Refrigeration unit for the small and medium cold rooms comprising of **Machine made** prefabricated PUF insulated Panels of different thickness from 60mm to 150mm. thk PUF insulation and are covered with precoated G.I sheet /S.S sheet on both side or a combination of both. The Walk-In-Coolers are ready to assemble with the help of Cam locking arrangement provided inside the PUF panels and no need of any angle iron structure is required.



Control panel is fully automatic and provided with all necessary controls for precise operation of the equipment. All models are fitted with remote electronic control panel which is adjustable to suit most requirements.



**Outdoor Condensing Unit**



**Indoor Fan Coil Unit**

**TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-4 Deg.C to +6 Deg.C)  
REFRIGERANT USED R-22 , R-134a , R-404a**

<b>MODEL</b>	HCRU - 0.6	HCRU - 0.75	HCRU - 1	HCRU - 1.25	HCRU - 1.5	HCRU - 2	HCRU - 2.5	HCRU - 2.75
<b>TONS OF REF.</b>	0.6	0.75	1.0	1.25	1.5	2.0	2.5	2.75
<b>COLD ROOM SIZE IN Meter ( ft.)</b>	2.5 x 2.5 x 2.4 8.0 x 8.0 x 8.0	3.5 x 2.5 x 2.4 11.5 x 8.0 x 8.0	3.5 x 3.5 x 3.0 11.5 x 11.5 x 10.0	4.0 x 4.0 x 3.0 13.0 x 13.0 x 10.0	5.0 x 4.0 x 3.0 16.5 x 13.0 x 10.0	6.0 x 4.5 x 3.0 20 x 15.0 x 10.0	6.0 x 5.5 x 3.0 20 x 18.0 x 10	7.0 x 6.5 x 3.0 23.0 x 21.0 x 10
<b>POWER CONSUMPTION FOR R-22</b>	0.75 KWH	1.05 KWH	1.20 KWH	1.45 KWH	1.85 KWH	2.35 KWH	2.80 KWH	3.25 KWH
<b>POWER CONSUMPTION FOR R-134a</b>	0.65 KWH	0.80 KWH	1.05 KWH	1.25 KWH	1.40 KWH	2.10 KWH	2.30 KWH	2.75 KWH
<b>POWER CONSUMPTION FOR R-404a</b>	0.75 KWH	1.05 KWH	1.30 KWH	1.55 KWH	1.95 KWH	2.50 KWH	2.90 KWH	3.35 KWH

**TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-5 Deg.C to -20 Deg.C)  
REFRIGERANT USED R-404a**

<b>MODEL</b>	MCRU - 0.5	MCRU - 0.75	MCRU - 1	MCRU - 1.25	MCRU - 1.5	MCRU -1.65	MCRU - 1.8	MCRU - 2
<b>TONS OF REF.</b>	0.5	0.75	1.0	1.25	1.5	1.65	1.8	2.0
<b>COLD ROOM SIZE IN Meter ( ft.)</b>	2.5 x 2.5 x 2.4 8.0 x 8.0 x 8.0	3.5 x 2.5 x 2.4 11.5 x 8.0 x 8.0	3.5 x 3.5 x 3.0 11.5 x 11.5 x 10.0	4.0 x 4.0 x 3.0 13.0 x 13.0 x 10.0	5.0 x 4.0 x 3.0 16.5 x 13.0 x 10.0	6.0 x 4.5 x 3.0 20 x 15.0 x 10.0	6.0 x 5.5 x 3.0 20 x 18.0 x 10	7.0 x 6.5 x 3.0 23.0 x 21.0 x 10
<b>POWER CONSUMPTION FOR R-404a</b>	1.45 KWH	2.45 KWH	2.85 KWH	3.40 KWH	4.50 KWH	5.00 KWH	5.50 KWH	6.10 KWH

**TECHNICAL DATA OF UNITS FOR SMALL AND MEDIUM COLD ROOMS FOR AN INSIDE TEMP RANGE OF (-20 Deg.C to -35 Deg.C)  
REFRIGERANT USED R-404a**

<b>MODEL</b>	LCRU - 0.5	LCRU - 0.75	LCRU - 1
<b>TONS OF REF.</b>	0.5	0.75	1.0
<b>COLD ROOM SIZE IN Meter ( ft.)</b>	2.5 x 2.5 x 2.4 8.0 x 8.0 x 8.0	3.5 x 2.5 x 2.4 11.5 x 8.0 x 8.0	3.5 x 3.5 x 3.0 11.5 x 11.5 x 10.0
<b>AVERAGE POWER CONSUMPTION FOR R-404a</b>	2.15 KWH	3.05 KWH	3.65 KWH

NOTE: We also design Higher capacity unit as per our customer's requirement.