

Product Name :
CASCADE REFRIGERATION SYSTEMS**Product Code :**
Conditioning0001**Description :**

CASCADE REFRIGERATION SYSTEMS

Technical Specification :

We are engaged in offering quality Cascade Refrigeration System, which is a multistage application in which two separate refrigerant systems are interconnected in such a manner that one provides the means of heat rejection (condenser) for the other. Our Cascade Refrigeration System has a lower system which operates at a much lower temperature. The Cascade Refrigeration System, provided by us, comprises of additional feature, over compound systems for permitting the use of different refrigerants in each cycle of the cascade.

Why Our Cascade Refrigeration System?

- Robust body
- Multistage Application
- High performance
- Energy efficient
- Effective Cooling
- High Durability
- Low maintenance

We are well-known manufacturers, OEM suppliers of CASCADE REFRIGERATION SYSTEMS for Refrigeration and Air Conditioning Equipments. Contact us for high quality CASCADE REFRIGERATION SYSTEMS for Refrigeration and Air Conditioning Equipments for schools lab, college lab, universities, research labs, various teaching and workshop training laboratories and industries in India.

TECHNICAL SPECIFICATIONS

Sub-Title	Parameter	High Side
Model	NAECS-01	-
Refrigeration / System	Refrigerant	R 404A / R-22
Temp. attained	-30 Deg Celsius	Low side chamber at -40 deg C
Evaporation temperature	-40 Deg Celsius	-50 Deg Celsius
Corresponding suction pressure	05 psig	05 psig.
Condensing temperature	+35 Deg Celsius	- 30 Deg Celsius
Discharge pressure	350 psig	120 psig
Discharge gas temperature	48 Deg Celsius	-35 Deg Celsius
Desuperheater	NA	Required
Compressor	Hermetically sealed, Emerson/ Danfoss or equivalent	Hermetically sealed, Emerson/ Danfoss or equivalent
Compressor oil	Standard	Standard
Oil separator	NA	Danfoss-OUB-1
Condenser	Air Cooled	Cascade condenser- tube in tube type/ PHE type
Drier	DM-50	DM-50
Evaporator	Tube-in-tube / Plate type heat exchanger	Forced convection air cooled
Expansion device	Thermostatic expansion valve	Capillary Tube
Accumulator	Copper / M.S. shell suction line accumulator provided.	-
Insulation	65 MM PUF	250 MM PUF
Controls & Indications	HP/LP Cut-out	Provided
Temperature	Digital Indicator with selector Pressure gauges 2 Nos. for suction and discharge	Digital Indicator with selector Pressure gauges 2 Nos. for suction and discharge
Electrical System	Supply	415 volts, 3 phase, 50 Hz
Input power	5.0 kW	-
Rated current	8.0 Amps.	-
Energy-meters	Provided for compressor.	Provided for compressor and heater
Construction	Outer body	1.2 thk CRCA, powder coated
Inner body	-	Stainless steel.
Size	2750x775 x1340 mm (L*D*H)	-

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