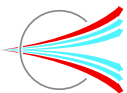


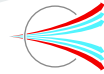
VORTEX TUBE BASED COOLERS



**VORTEX TUBES, CABINET
COOLERS AND COLD AIR GUNS**



General imsubs
Air Amplifying Products



General Imsubs
Air Amplifying Products



CABINET COOLER

General Imsubs, Vortex based cabinet coolers are compact, quick install and maintenance free solution to heating problem often faced in control panels. General Imsubs cabinet coolers are made from Stainless steel and they do not affect safety of panel cabinets. General Imsubs cabinet coolers are available with thermostat control or continuous operation type.

General Imsubs Cabinet coolers are provided with pressure relief valves so that safety of panel cabinet is not affected. Cabinet coolers are available in various cooling capacity from 55 to 700 Kcal/Hr (215 to 2800 Btu/H). Multiple cabinet coolers can be coupled to achieve higher cooling capacities.

PERFORMANCE : Performance mentioned here is at cabinet cooler being set to maximum refrigeration. Air flow is at 7 bar (100 PSI) pressure.

PERFORMANCE :

Performance mentioned here is at cabinet cooler being set to maximum refrigeration.
Air flow is at 7 bar (100 PSI) pressure.

MODEL	CC-004	CC-008	CC-010	CC-015	CC-025	CC-030	C-040
CFM	4	8	10	15	25	30	40
LPM	113	226	285	425	710	850	1135
BTU/Hr	215	500	600	900	1500	2000	2800
Kcal/Hr	55	125	150	225	380	500	700

Cabinet coolers are advised to be used with appropriate drier, where compressed air dew point temperature is lower than -25° C to ensure safety of control panel.

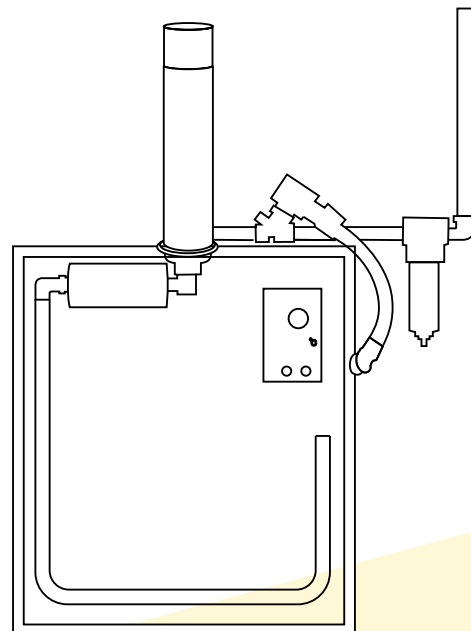
Cabinet coolers are supplied with air distribution kit and customer can optionally order suitable air filters.

Available options:

Selection of Cabinet coolers depends on application and customer requirements. We supply cabinet coolers with following options.

Additional Options / Accessories

1. Air filter
2. Side mounting kits.
3. Temperature control kit with solenoid valve
(Requires AC power supply)





ELECTRONICS AND QUALITY DEVELOPMENT CENTRE

B 177/178, GIDC Electronics Estate, Sec-25, Gandhinagar-382024

(Under STQC Programme, DIT, Ministry of Comm. & Information Technology, Govt. of India)

REPORT NO.: EQP/G0509/1629/2018

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TEST REPORT

Service Request Form No.: G0509/2018	SRF Date: 20/08/2018	Date of Issue: 16/09/2018
Name & Address of the Customer	M/s. General Imsubs Pvt Limited, 3711/A GIDC PHASE-IV VATVA AHMEDABAD-382445 INDIA	

DESCRIPTION/ IDENTIFICATION OF THE ITEM

Nomenclature	Vortex Cabinet Cooler
Brand/ Type/Model No.	-/CC-0
Serial No.	0040
Sample (E.U.T.) Drawing submitted by Customer	Drawing Ref. No.: CC-GEN dated 10-05-17 – Cabinet Cooler
Sample(s) Tested/ Condition before test	One Sample/ Good Condition
Date of Sample Receipt	20/08/2018
Test Period	11/09/2018 To 14/09/2018
Test carried out at (Environmental Condition)	Temperature: 25°C ± 10°C; Relative Humidity: 50 ± 25 %; Air Pressure: 860 mBar to 1060 mBar
Location where test is performed	Test Laboratory @ EQDC, Gandhinagar
Purpose	Test for the certification of the Degree of Protection IP65
Test Specification	All relevant Clauses of IS/IEC 60529: 2001 for IP 65 Test

Summary: The sample unit was submitted for testing has been checked in accordance with the relevant clauses of IS/IEC 60529: 2001 & as per customer requirement:

Cl.13.4 & 13.6: Tests for Protection against solid foreign objects indicated by the first characteristics numeral – Degree of Protection: Dust Tight (IP6X)

Cl.14: Tests for Protection against water indicated by the second characteristics numeral – Degree of Protection: Protected against the effects of continuous immersion in water subject to agreement (IPX5).

During the test of Vortex Cabinet Cooler Type/Model No.: -/CC-0, Sr. No.: -0040, neither dust nor water was determined inside the enclosure. The criteria used to verification the degree of protection IP 65 were met. Further evaluation will be done by the customer.

Test facilities used:

Nomenclature	Make/ Model	Serial No./ID. No.	Calibration Validity
1] Dust Chamber	C.K. Enterprise/--	EQDCG/0203	01/12/2018
2] Measure Tape	LEVOMESURE/3m	EQECG /ET-66	24/09/2018
3] IPX5 Standard Nozzle	C.K. Enterprise/-	EQDCG/0210	24/09/2018
4] Stop Watch	Racer1/--	EQDG/01	05/07/2019

Prepared by:

[Signature]

Tested by:



Form No.: T/2/GEN., Issue No: 04, Rev-00, Dated 01.04.17