



THEM-OMEGA-TECH

ISO 9001 CERTIFIED

MODEL Vortex Cooler

ENCLOSURE AIR CONDITIONING SYSTEM

**FREEZE PROBLEMS?
CALL THE GURU 1-800-288-GURU**

DESIGN FEATURES

- ◆ Lightweight, durable components.
- ◆ Can be tailored to users' specific requirements.
- ◆ Uses typical plant air supply.
- ◆ Typically reduces inlet air temperature by 60°F (33.3°C).
- ◆ Will maintain enclosure temperature at a predetermined level.
- ◆ The **Vortex Cooler** consists of a single vortex cooler and exhaust flow controller connected with 3 ft. of heavy duty hose.
- ◆ 100% factory tested



ADVANTAGES

- Prevents malfunctioning of critical process equipment due to overheating. (2000 Btuh at 100 PSIG)
- No need for expensive and elaborate explosion-proof cooling devices - uses plant air.
- Low operating costs.
- Long service life.
- Easy to install and maintain.

OPERATION

The **Enclosure Air Conditioning System** is connected to a typical plant air supply. The vortex device cools the air entering the enclosure, venting the warmer air into the atmosphere. The combination of the vortex cooler and the optional control valve maintains the temperature in the enclosure within a preset range.

APPLICATIONS

The **Therm-Omega-Tech Enclosure Air Conditioning System** will keep process equipment from overheating and going out of calibration or worse yet, going out of service. This self-contained unit provides a reliable, economic alternative to costly, hazardous electric cooling such as muffin fans or air conditioning systems. It does not require a special NEMA-7 or -9 enclosure even in potentially explosive environments. Combined with the optional control valve, enclosure temperatures can be maintained for pennies a day.

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ENCLOSURE AIR CONDITIONING SYSTEM

PARTS AND MATERIALS

<p>VC-1000</p> <p>MPC-1</p>	ITEM	DESCRIPTION	MATERIAL
	1	MUFFLER HOUSING	BRASS
	2	INLET HOUSING	BRASS
	3	OUTLET FITTING	BRASS
	4	NOZZLE	BRASS
	5	BULKHEAD SEALS	EPDM
	6	BULKHEAD NUT	BRASS
	7	GENERATOR	ACETAL COPOLYMER
	8	EXHAUST INLET	BRASS
	9	EXHAUST ADJUSTMENT	BRASS
10	SEAL O-RING	VITON	

SPECIFICATIONS:

For Inlet pressure of 100 PSIG @ 70°F (6.9 BAR @ 21°C)					
Capacity		Air Consumption		Weight	
BTU/Hr	kCAL/Hr	SCFM	SLPM	Lb	Kg
2000	252	30	850	0.8	0.36

TO ORDER SPECIFY:

(see note 1 for standard temperatures)

Part Number	Description
900-000000-000	VC-1000
900-010000-XXX	VC-1000 w/ 3/4" US/A-R-S

NOTES:

1. Standard open set point temperatures "XXX" available:

040F, 045F, 050F, 060F, 070F, 075F, 085F, 095F, 100F, 105F, 110F, 115F, 120F, 125F, 130F, 140F, 150F, 160F, 170F, 175F, 180F, 190F, 200F and 210F.

Therm-Omega-Tech, Inc. reserves the right to change the design and specifications without notice



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CALL THE VALVE GURU TOLL FREE

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