



Vortex Coolers are first generation vortex tube enclosure coolers and refrigerate compressed air to offset heat buildups in control panels.

Vortex Enclosure Coolers are available in NEMA 12, NEMA 4 and NEMA 4X versions, and can be purchased with an electric thermostat or without a thermostat (constant run).

FEATURES

- Constant run and electric thermostat models available
- Electric thermostat models can be set to desired temperature +/- 3° F (1.7°C)
- Create true refrigeration using only compressed air
- Maintain sealed nature of NEMA and JIC boxes
- Maintains slight pressurization in the enclosure, while running
- Incorporate relief valve to prevent over pressurization
- Mounts in standard electrical knockout
- UL Listed, File E187045

BENEFITS

- Thermostatically controlled models maintain enclosure temperatures within customer set range and reduce operating cost
- Highly reliable, no moving parts
- No ambient, dirty or humid air enters the cabinet
- Can be used on all cabinets, even in tight spaces
- Multiple cooling capacities available, to optimize performance and operating cost
- Operates in environments up to 175°F (80°C)
- Low cost, compared to Freon air conditioners
- Multiple cooling capacities available, to optimize performance and operating cost

CASE STUDIES

The Problem: A metal stamping plant that provides parts to automotive OEM's was experiencing overheating issues with the control panels that house the electronics for their stamping equipment. As a result, their lines would have to shutdown 2 times a week for an hour each costing them \$1,500 an hour in lost revenue as well as idle employee time.

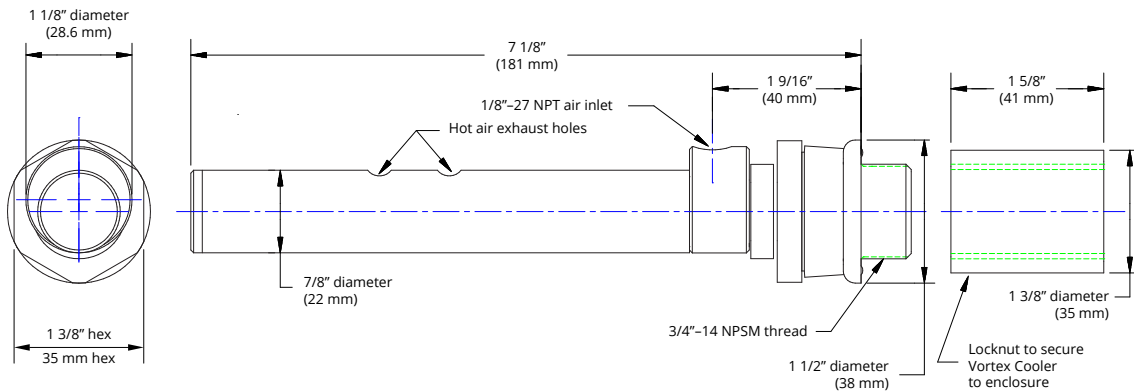
The Solution: The Maintenance Supervisor was directed to Vortec by a colleague and in speaking with an Application engineer was directed toward the 7970 Dual Vortex Enclosure Cooler. He was sold on the fact that there was no freon needed, no fans to break down and little maintenance needed.

Conclusion: The Maintenance Supervisor ordered one 7970 for one line as a trial and was so impressed with it that he quickly ordered three more for each of the other lines. Since using the 7970 Vortex Cooler he has experienced no downtime, no maintenance costs and no overheating issues.

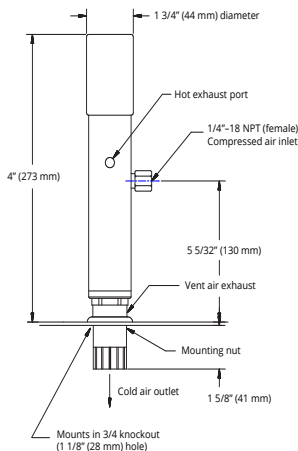


VORTEX COOLERS

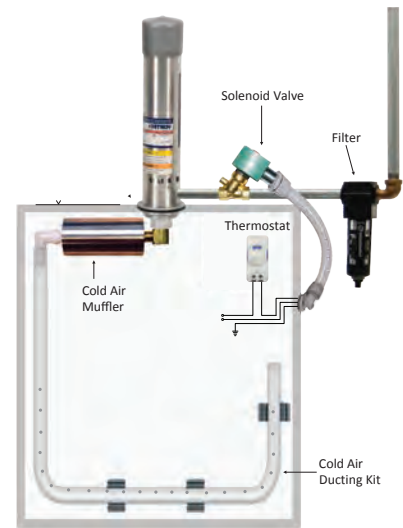
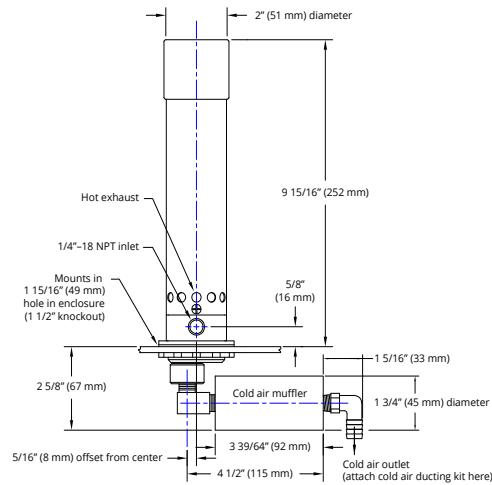
NEMA 12 / 400 BTUH



NEMA 12 900 - 2500 BTUH



NEMA 4/4X 900 - 2500 BTUH



SHOWN TOP MOUNTED ON CUSTOMER'S ENCLOSURE

SPECIFICATIONS

Rating	Thermostat Option	Sound Level	Cooling Capacity BTU/hr (Watts)	Model	Rating	Thermostat Option	Sound Level	Cooling Capacity BTU/hr (Watts)	Model
NEMA 12	Electric	Standard	400 (117)	750	NEMA 4	None	Standard	900 (264)	737
			900 (264)	740				1700 (498)	787
			1500 (440)	790				2500 (733)	787-35H
			2500 (733)	795				5000 (1465)	7875
			5000 (1465)	7970				NEMA 4X	Electric
400 (117)	760	1500 (440)	797SS						
900 (264)	730	2500 (733)	797SS-35H						
1500 (440)	780	5000 (1465)	7975SS						
2500 (733)	785	NEMA 4X	None	Standard	900 (264)	737SS			
5000 (1465)	7870				1500 (440)	787SS			
900 (264)	747				2500 (733)	787SS-35H			
1700 (498)	797				5000 (1465)	7875SSs			
2500 (733)	797-35H								
NEMA 4	Electric	Standard	5000 (1465)	7975					