



Panel Guard Enclosure Coolers improve upon the Vortex Cooler line by incorporating a mechanical thermostat for optimum temperature control and eliminate the need for wiring.

Panel Guard models provide quick, easy installation while maintaining the energy use reduction advantages of using a thermostat. Panel Guard Enclosure Coolers are available in 3 different cooling capacities and are rated for NEMA 4 enclosures.

FEATURES

- No electricity required
- Integrated mechanical thermostat
- 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
- Highly reliable, no moving parts
- UL listed, File E187045

BENEFITS

- Easy to install in about 5 minutes
- No wiring required to install
- Reduces operating costs with mechanical thermostat which maintains enclosure temperatures within 75°F and 100°F (24°C - 38°C)
- Multiple cooling capacities available, to optimize performance and operating cost
- No ambient, dirty or humid air enters the cabinet
- Can be used on all NEMA 4 cabinets, even in tight spaces
- Operates in environments up to 175°F (80°C)
- Low cost, compared to Freon air conditioners

CASE STUDIES

The Problem: A top fertilizer manufacturer was experiencing down time due to conveyor controls overheating. This led to lost revenue as well as increased maintenance costs.

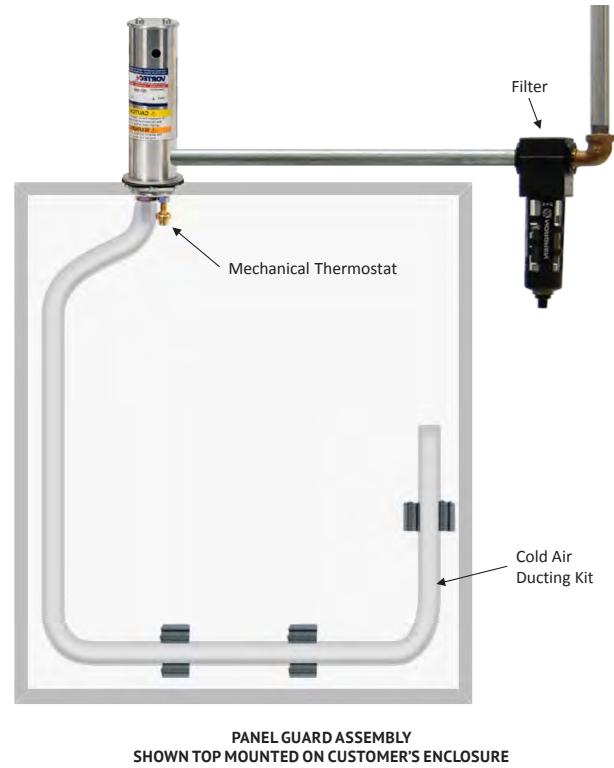
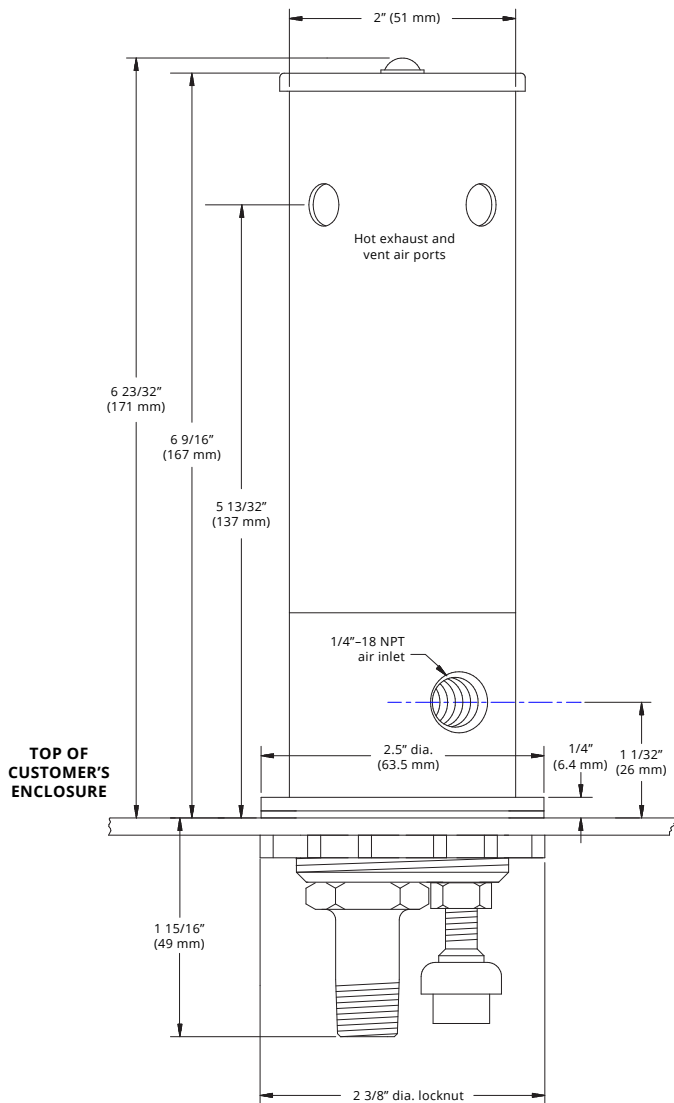
The Solution: After a view of the facility, conditions and problems being encountered, Vortec engineers and site engineers calculated heatload and cooling requirements and decided that the Panel Guard Enclosure Cooler was the optimum solution for their needs. The main deciding factor was the integrated mechanical thermostat as the electrical thermostat solutions were a concern in the environment.

Conclusion: Since incorporating the Panel Guard Enclosure Cooler, this customer has experienced no downtime and production levels are running at optimum levels with reduced maintenance costs.



PANEL GUARDS

770 PANEL GUARD



SPECIFICATIONS

Rating	Thermostat Option	Sound Level	Cooling Capacity BTU/hr (Watts)	Model
NEMA 4	Mechanical	Standard	900 (264)	770-15H
			1500 (440)	770
			2500 (733)	770-35H