



Vortex A/C units are 2nd generation enclosure coolers which incorporate a sleek, modern design, noise reduction and an integrated thermostat for quick and easy installation.

Vortex A/C Enclosure Coolers improve upon Vortec's line of highly reliable, cost effective enclosure coolers and are available in four different cooling capacities with ratings of NEMA 12, NEMA 4 and NEMA 4X.

FEATURES

- Polycarbonate box with noise reduction muffling
- 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 operating
- Incorporate relief valve to prevent over pressurization
- Mounts in standard electrical knockout
- Highly reliable, no moving parts
- UL Listed, File E187045

BENEFITS

- Very quiet, 62 dBA operation - 78% quieter than standard vortex tube coolers
- Thermostatically controlled to maintain enclosure temperatures within 70°F and 100°F (21°C - 38°C)
- Reduces operating costs - only runs when necessary
- Flexible mounting options - top, side or front (door)
- No wiring required for installation - 5 minute install
- Little to no maintenance costs, compared to Freon A/C and fans
- Operates in environments up to 175°F (80°C)
- Multiple cooling capacities available, to optimize performance and operating cost

CASE STUDY

The Problem: A major producer of high-quality metallurgical coke for the steel industry was experiencing erratic control behavior due to excessive heat buildup in their outdoor furnace monitoring controls. The outdoor controls were exposed to temperatures climbing near 100°F (38°C) as well as being adjacent to the coke furnaces which get up to 2400°F (1316°C).

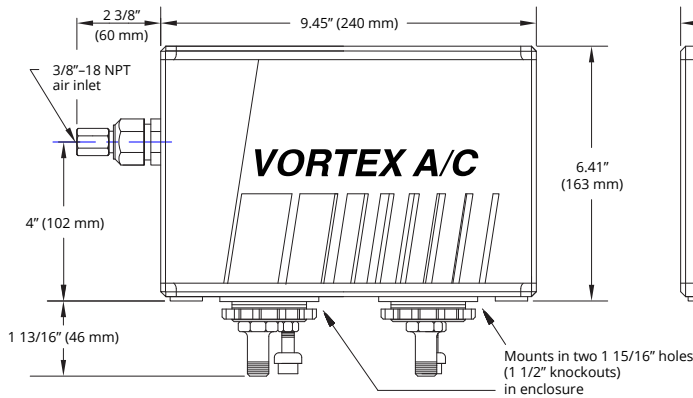
The Solution: Vortec Engineers and site engineers discussed the problem and determined that the best solution was the Vortex A/C model 7715. Its easy installation and integrated mechanical thermostat were the main deciding factors.

Conclusion: The site engineer could not be happier with the Vortex A/C. The harsh environments wreaked havoc on other cooling products and the Vortex A/C was the only solution found that could withstand the environment.

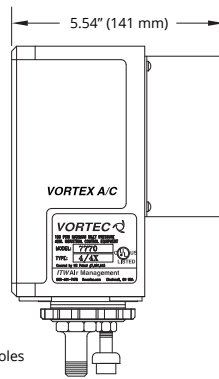


VORTEX A/C

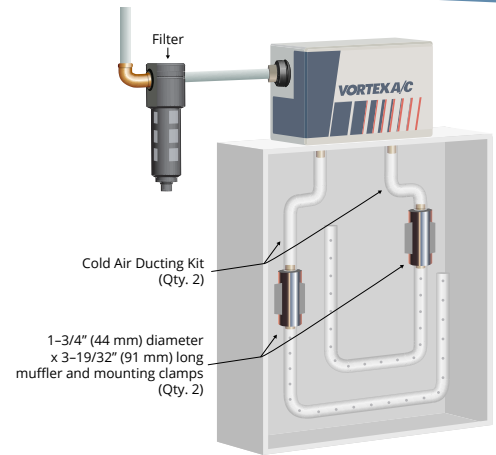
7670 & 7770 VORTEX A/C



FRONT VIEW

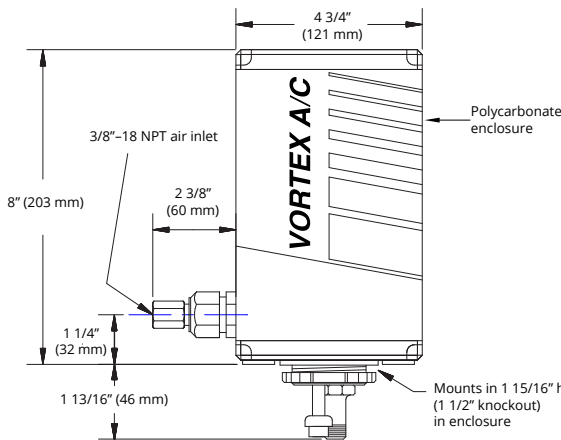


RIGHT SIDE VIEW

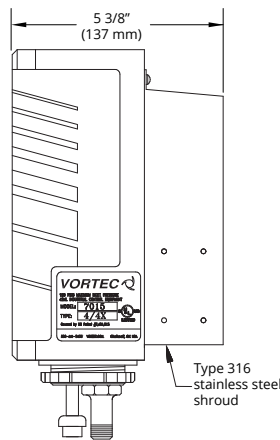


SHOWN TOP MOUNTED ON CUSTOMER'S ENCLOSURE

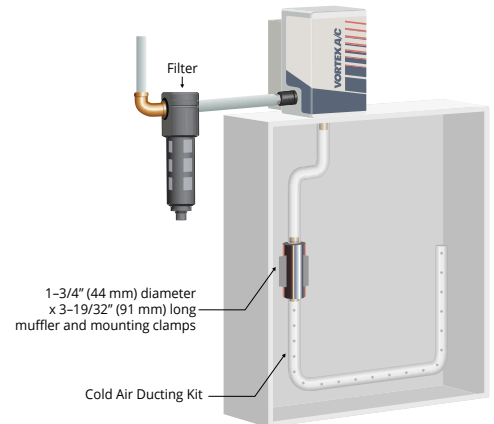
76x5 & 77x5 VORTEX A/C



FRONT VIEW



RIGHT SIDE VIEW



SHOWN TOP MOUNTED ON CUSTOMER'S ENCLOSURE

SPECIFICATIONS

Rating	Thermostat Option	Sound Level	Cooling Capacity BTU/hr (Watts)	Model	Air Consumption SCFM (SLPM)
NEMA 12	Mechanical	Quiet	900 (264)	7615	15 (425)
			1500 (440)	7625	25 (708)
			2500 (733)	7635	35 (991)
			5000 (1465)	7670*	70 (1981)
NEMA 4	Mechanical	Quiet	900 (264)	7715	15 (425)
			1500 (440)	7725	25 (708)
			2500 (733)	7735	35 (991)
			5000 (1465)	7770*	70 (1981)
NEMA 4X	Mechanical	Quiet	900 (264)	7715	15 (425)
			1500 (440)	7725	25 (708)
			2500 (733)	7735	35 (991)
			5000 (1465)	7770*	70 (1981)

* Models 7670 and 7770 are two-stage Coolers. To conserve energy, during low periods of heatload, only one stage is activated via mechanical thermostat.