# Vortex Enclosure Coolers A/C ATEX

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# 1 Vortex Enclosure Coolers A/C ATEX

ATEX Vortex A/C Coolers are designed specifically for purged* Electrical enclosures in ATEX Zones 2 and 22 and Temperature Class T4 areas.

## 1.1 Overview

The ATEX Vortex A/C incorporates the most up-to-date features into Vortec's line of highly reliable, cost effective enclosure coolers.

The ATEX Vortex A/C is available in 4 different cooling capacities from 900 to 5,000 BTU/hr. All of Vortec's Enclosure Coolers keep Electrical and Electronic Enclosures cool, clean and protected and are a low cost alternative to expensive, high maintenance air conditioners; and avoid contamination with dirty, humid air caused by fans.

- Purge system not included with purchase.


## 1.2 Features

- ATEX Certification Ex II 3 GD T4
- Tamb -20°C to 80°C (-4°F to 175°F)
- Small footprint to fit on all enclosures and in confined areas
- Top, side or front (door) mount models available
- Maintain temperature between 27 – 32 deg C
- Supplied with air filter and ducting kit
- Maintains slight pressurization in the enclosure

## 1.3 Benefits

- Easy to install, takes about 5 minutes
- No wiring required to install
- ATEX Certified for Zones 2 and 22
- Thermostatically controlled to maintain enclosure temperatures within ideal range
- Highly reliable, with full 10 year warranty
- No ambient, dirty or humid air enters the cabinet
- Can be used on all cabinets, even in tight spaces
- Operates in environments up to 80 deg C
- Significantly lower cost, compared to explosion proof Freon air conditioners
- Reduce operating cost with mechanical thermostat turning the unit on only when necessary
- Very quiet, 62 dBA operation, 78% quieter than typical vortex coolers
- Multiple cooling capacities available, to optimize performance and operating cost
- Little maintenance required, as compared to Freon A/C and fans
- Use no refrigerants
- Sleek, modern design

## 1.4 Applications

Today's small, compact multi-function electronic controls, variable speed drives, servos and programmable logic controllers are extremely sensitive to heat and contamination. Smaller cabinet sizes make temperature control difficult and prone to premature failures. Excessive heat will cause digital displays to misread, controls to drift, and breakers to trip below rated loads. The result is productivity lost due to machine or line shutdowns.

ATEX Vortex A/Cs maintain a slight pressurization on the cabinet to keep electrical and electronic components clean and dry; and most are thermostatically controlled to maintain enclosure temperatures within a specified temperature range.

# 2 Models

# 3 Technical data