



A Pentair Company

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## **OPERATION AND SAFETY INSTRUCTIONS**

### **VCool System - NEMA 12**

**MODEL: VC-0916-012H**

#### **IMPORTANT**

READ ALL INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE THIS PRODUCT.

#### **INTRODUCTION**

A VCool System is designed to use filtered compressed air to cool industrial control cabinets without the use of any refrigerants. Hot air in the cabinet is vented to the surroundings through a built in relief valve.

#### **COMPRESSED AIR SUPPLY**

The compressed air supply must be filtered (5 micron maximum) to remove water and dirt. If oil is present in the compressed air supply, remove the oil using a 0.01 micron (maximum) air filter. Change filter elements as needed.

#### **INSTALLATION AND OPERATION**

For best cooling results, a VCool should be installed in a vertical position at the top of the cabinet. Vents in cabinets must be covered and sealed to ensure cooling efficiency.

This model is for use on a flat surface of a NEMA Type 12 enclosure.

#### **MAINTENANCE**

A VCool has no moving parts and can be disassembled for cleaning.

#### **WARRANTY**

Hoffman products will be replaced or repaired if found to be defective due to manufacture within one year from the date of invoice. Hoffman makes no specific warranty of merchantability or warrant of fitness for a particular purpose.

#### **WARNING**

##### **COMPRESSED AIR COULD CAUSE DEATH, BLINDNESS OR INJURY.**

1. Do not operate a VCool at compressed air pressures above 150 PSIG (10.3 Bar).
2. Do not operate a VCool at line temperatures above 110°F (43°C).
3. Avoid direct contact with compressed air.
4. Do not direct compressed air at any person.
5. When using compressed air, wear safety glasses with side shields.

#### **NOTE**

THERE IS NO NEED TO LIMIT COMPRESSED AIR PRESSURE TO A MAXIMUM OF 30 PSIG (2 BAR). IT IS NOT POSSIBLE TO BLOCK THE FLOW OF AIR FROM A VCool TO REGISTER 30 PSIG (2 BAR) ON A TEST GAUGE.

## INSTALLATION

1. The VCool System requires a 3/4 knockout for mounting the VCool Cooler and a 11/16" hole for mounting the thermostat.
2. The VCool is self venting - no secondary vent relief is required.

