



WIEGMANN®

OPERATION AND SAFETY INSTRUCTIONS

Vortex Cooler™ System - 1700 BTUH NEMA 4X

MODEL W797SS1700

IMPORTANT

READ ALL INSTRUCTIONS BEFORE ATTEMPTING TO OPERATE THIS PRODUCT.

INTRODUCTION

A Vortex Cooler™ 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 in the Vortex Cooler.

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.

For assistance in selecting a compressed air line size, contact Hubbell Wiegmann.

INSTALLATION AND OPERATION

For best cooling results, the Vortex Cooler System should be installed in a vertical position on a flat surface at the top of the cabinet to maintain a NEMA 4X rating.

MAINTENANCE

Vortex Cooler Systems have no moving parts and can be disassembled for cleaning.

WARRANTY

Products will be replaced or repaired if found to be defective due to manufacture within one year from the date of invoice. Hubbell Wiegmann 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 Vortex Cooler at compressed air pressures above 150 PSIG (10.3 Bar).
2. Do not operate a Vortex Cooler 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 VORTEX COOLER TO REGISTER 30 PSIG (2 BAR) ON A TEST GAUGE.



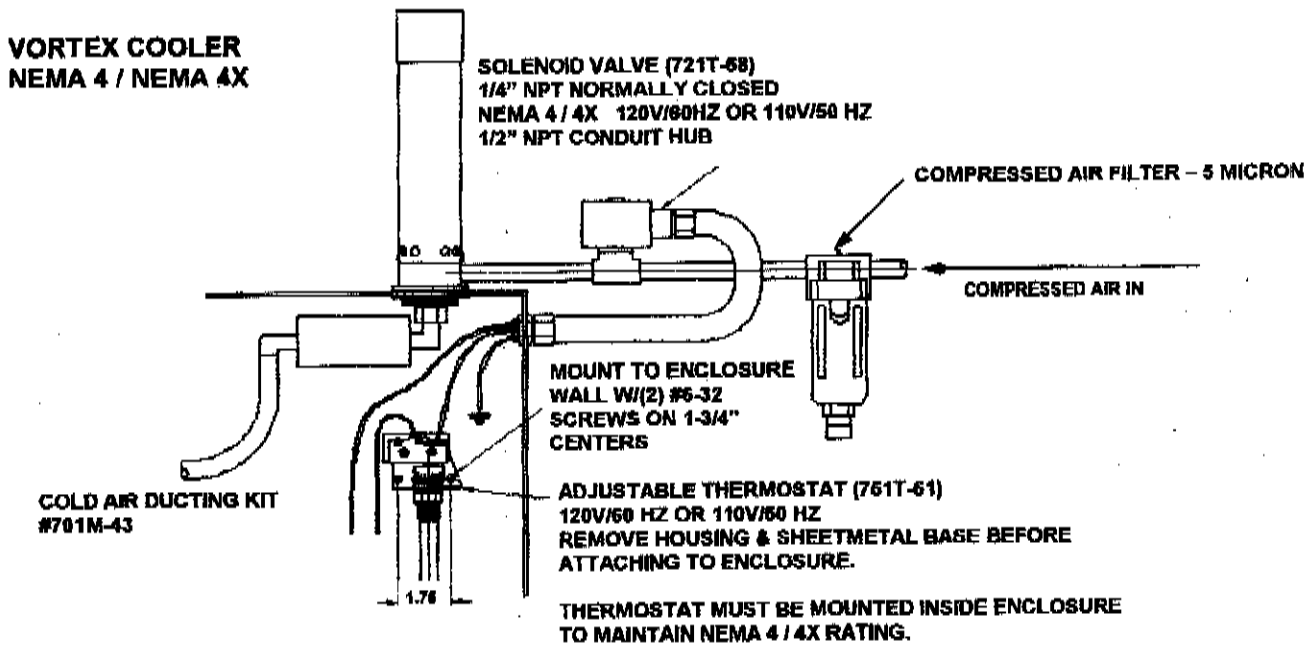
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Assembly

- ⇒ Vortex Cooler Requires 3/4 knock out for mounting hole
- ⇒ Thermostat requires 3/8 knock out for mounting hole.



NOTE: OWNER TO SUPPLY LIQUID TIGHT CONDUIT BETWEEN SOLENOID AND CABINET

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