



## Installation Statement

DH5000, DH5000T, and MDHH-D Dishwashers with Direct Vent (DV) or Ventless Heat Recovery (VHR) Option.

### Installation Codes

Although local codes for dishwasher hood systems may vary from one municipality or state to another most are derived from the National Fire Protection Association, NFPA Code 96 or the International Mechanical Code. Section 507.3 of the International Mechanical Code, (2015 states, "Type II hoods shall be installed above dishwashers and appliances that produce heat or moisture and do not produce grease or smoke as result of the cooking process, except where the heat and moisture loads from such appliances are incorporated into the HVAC system design or into the design of a separate removal system". The requirement does not distinguish between machine type, heat type or operational temperature.

### Code Compliance

A code official having jurisdiction may ask the HVAC contractor to demonstrate that the heating and air conditioning system for a new or existing installation will accommodate the heat and moisture produced by a DH5000, DH5000T, or MDHH-D utilizing the DV or VHR option. The information contained in this document explains the operation to assist the code official & the HVAC contractor.

### Frequently Asked Questions

**Question:** Do I need to get approval for my installation?

**Answer:** A code inspector may need to approve the installation before the dishwasher is installed to ensure that all local codes and regulations have been followed. Contact your local building inspector for details on the applicable codes, regulations, and inspection procedures.

**Question:** What types of information might I need for approval?

**Answer:** A code inspector may request a report from an HVAC contractor showing that the building design will handle the heat output of the machines equipped with the VHR option. Table 1 below provides the latent and sensible heat output information that the contractor needs to make its report.

REMOVAL SYSTEM	HEAT OUPUT (BTU/HR)	
	Latent	Sensible
Condensate Removal	13,000	5,600
Direct Vent	4,600	6,000

Table 1: Latent and Sensible Heat Output


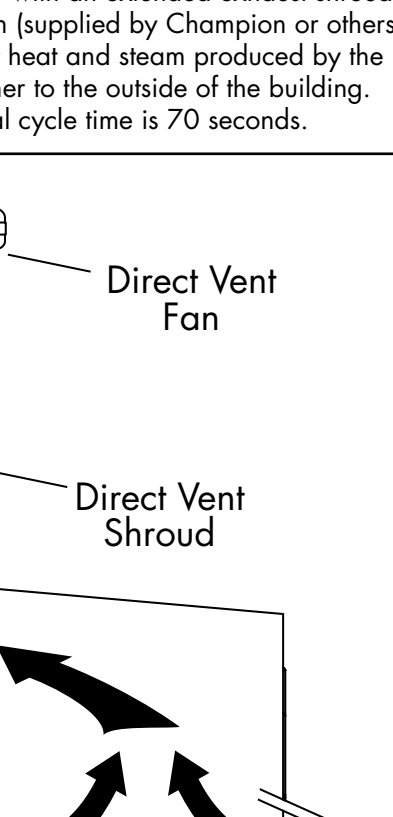

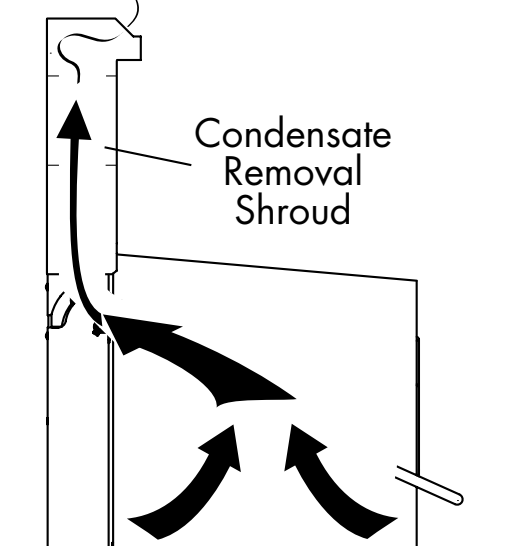
A code inspector may also request information about the dishwasher. You can obtain DH5000, DH5000T or MDHH-D specification sheets at: <http://www.championindustries.com/products> You may also call USA Champion Sales Dept. at: 1-800 532-8591, M-F 8-5 EST, or Canada Champion Moyer Diebel Sales Dept. at: 1-800 263-5798, M-F 8:30-4:30. In addition, you may call the National Service Dept.: IN USA: 1-800-858-4477 IN CANADA: 1-800 263-5798

**Question:** What are the plumbing requirements for the condensate removal option?

**Answer:** The condensate removal option requires a cold water supply that provides a minimum flowing pressure of 45 PSI at the dishwasher before adjusting the flowing pressure on the machine to 20-22PSI. The cold water supply temperature must be between 55-75°F/13-34°C for proper operation.

## Model DH5000, DH5000T, MDHH-D Operation

There are two venting options: Direct Vent (DV), and Ventless Heat Recovery (VHR). The operation of each option is described below.

DV Option	VHR Option
	
<p>Is a high temperature hot water sanitizing dishwasher with an extended exhaust shroud and vent fan (supplied by Champion or others) to exhaust heat and steam produced by the dishwasher to the outside of the building. Total cycle time is 70 seconds.</p>	<p>Is a high temperature hot water sanitizing dishwasher with an extended shroud that condenses the steam and reclaims the heat from the operation of the dishwasher, significantly reducing the heat output of the dishwasher into the dish room. Total cycle time is 90 seconds.</p>
 <p>Direct Vent Fan</p> <p>Direct Vent Shroud</p>	 <p>Condensate Removal Shroud</p>