Wine Guardian®
Ducted Wine Cellar Cooling System
"Quick Start" Installation Guide

This document is a pictorial guide on installing the Wine Guardian Ducted Wine Cellar Cooling System. It is not intended to replace the detailed instructions found in the WG Ducted Installation, Operation and Maintenance (IOM) manual, which includes important safety messages all WG installers and owners should carefully follow for safe and optimal performance of the system. A copy of the manual may be viewed and downloaded at www.wineguardian.com/customer service.

Refer to the IOM manual for installation instructions related to duct collars and duct collar kits, optional remote interface control and remote sensors.
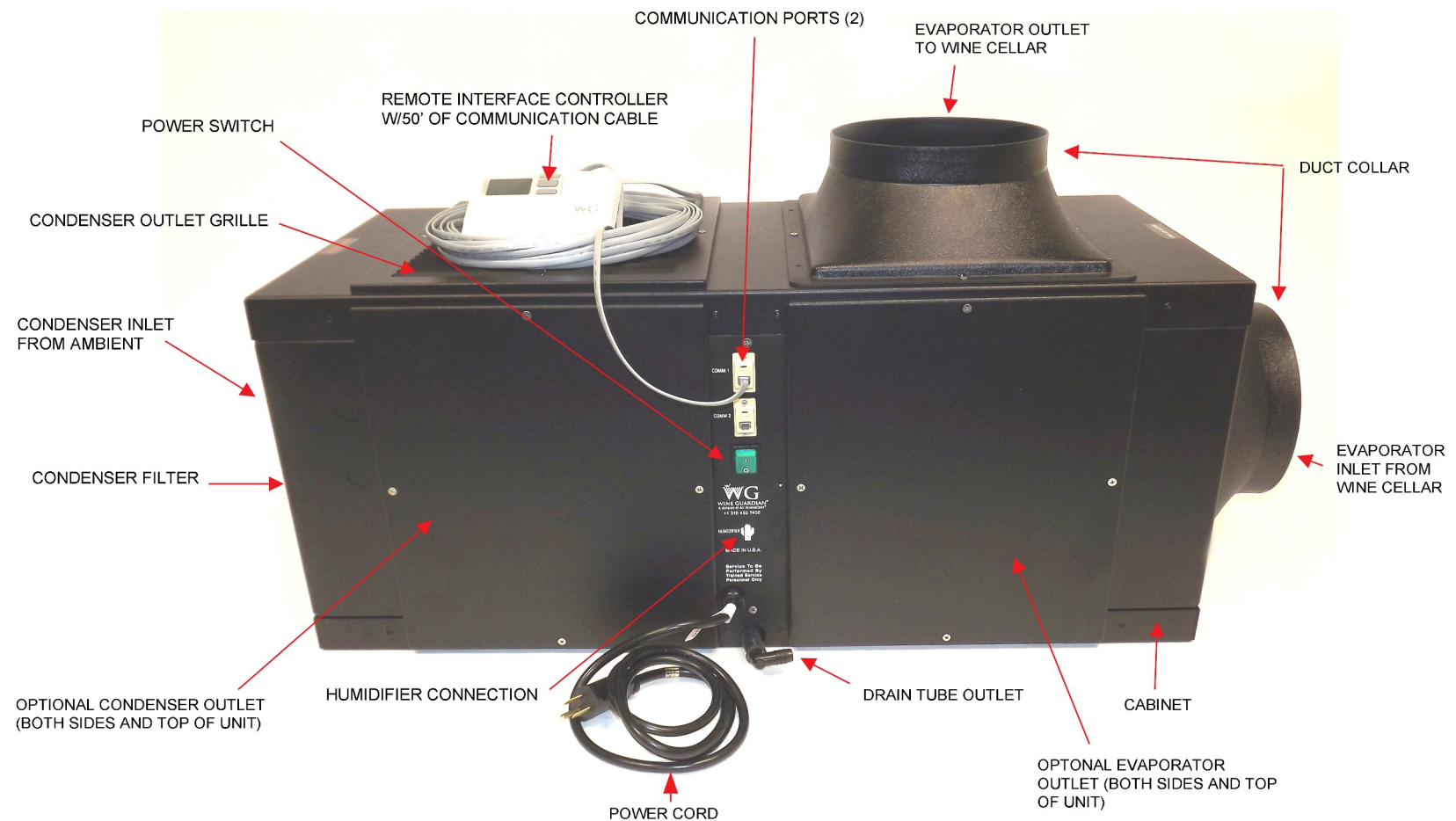
If you have any additional questions related to the installation, operation or maintenance of your WG system, please contact your authorized WG distributor or WG service department.

For more information about your Wine Guardian Ducted Wine Cellar Cooling System , visit www.wineguardian.com/distributors or call +1 315 452 7400.

Wine Guardian® is a registered trademark of Air Innovations®

WG
WINE GUARDIAN®

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COMMUNICATION PORTS (2)
EVAPORATOR OUTLET TO WINE CELLAR
REMOTE INTERFACE CONTROLLER W/50' OF COMMUNICATION CABLE
POWER SWITCH
DUCT COLLAR
CONDENSER OUTLET GRILLE
CONDENSER INLET FROM AMBIENT
EVAPORATOR INLET FROM WINE CELLAR
CONDENSER FILTER
OPTIONAL CONDENSER OUTLET (BOTH SIDES AND TOP OF UNIT)
HUMIDIFIER CONNECTION
DRAIN TUBE OUTLET
CABINET
OPTIONAL EVAPORATOR OUTLET (BOTH SIDES AND TOP OF UNIT)
POWER CORD

Rev. 10/12

1. Pre-Install Start Up

A. Remove unit from box. Check for any signs of concealed damage, and that all optional equipment has been provided. Contact Wine Guardian immediately if components are missing or unit has been damaged in shipping.

B. Plug unit into outlet and turn ON/OFF switch to "ON."

   The system will turn on after a 5-minute time delay and the cold air section will start to deliver cold air. Contact Wine Guardian if the system fails to turn on.

2. Installation Location

A. **Wine Guardian system must be mounted horizontally on its base as shown and be level to +/- 1/4" (0.6 cm) end to end and 1/8" (0.3 cm) side to side.**

B. Mount unit in a location that is easily accessible for service and allow at least 3 feet (1 meter) for clearance on either side of the system for maintenance.

C. Mount the system on the floor on an elevated platform at least 8" (20 cm) high. Unit can also be ceiling mounted or wall mounted by creating a platform to support the unit base.

3. Wiring Thermostat

A. Unit is supplied with 50 feet (15 meters) of 6-wire, cable with RJ14 type connection to the Remote User Interface controller.

B. Disconnect cable from side of Wine Guardian unit and the Remote Interface Controller. Route the cable to the desired mounting location within the wine cellar.

C. Locate Remote User Interface within the wine cellar mid-point on a wall in an area with good airflow and away from any windows or heat sources.

D. Remove back plate of controller and mark mounting points at desired location.

E. Drill two 1/8" (3 mm) holes and insert anchors within mounting surface. Anchors may not be required if securing to wall studs or racking.

NOTE: Only use wiring provided by Wine Guardian or damage to the unit may occur.

3. Wiring Thermostat (Continued)

F. Provide 1¼" (32 mm) diameter hole within wall or racking structure to provide clearance for RJ14 connection at back of controller.

G. Connect cable to the back of the remote user interface and attach backing plate to wall using two screws supplied with remote user interface.

H. Re-attach front cover plate by snapping it into place on the back plate.

I. Reconnect cable to side of Wine Guardian unit at either COMM1 or COMM2.

NOTE: Splitter devices (if being used for multiple sensors) must be mounted at the WG unit. DO NOT mount the splitter device at the back of the Remote Interface Controller or to the back of the remote sensor as this WILL cause equipment failure.

4. Condensate Drain

A. Wine Guardian unit is supplied with 7 feet (2 meters) of ½" (13 mm) inside dimension clear tube and a 90 Deg barbed fitting.

B. Slip 90 Deg fitting into drain port connection at Wine Guardian unit.

NOTE: Wine Guardian unit has an internal trap. Do not double trap piping. Failure to comply may lead to water leaks and possible water damage to surrounding mounting area. Install drain line with a ¼ inch per linear foot (1.25 cm/linear meter) of pitch.

6. Installing Ductwork

A. Wine Guardian unit is supplied with one (1) supply duct collar and (1) return duct collar as standard equipment.

B. Install ductwork by folding back the insulation to expose the wire reinforced vinyl duct. Slip the ductwork over the end of the duct collar and fasten using two tie wraps supplied with the kit making sure the ductwork is tight on the duct collar.

C. Fold the insulation back over the duct and duct collar and secure to collar using duct tape.

7. Water-Cooled Versions Only

A. Connect cooling water inlet and outlet pipes to cooling water source. Closed loop cooling tower, lake water, or geothermal water source systems are recommended.

NOTE: Water-cooled WG systems have an integral water regulating valve which may close when wine cellar temperatures are satisfied and the unit turns off. A water bypass loop or pump control circuit may be required for proper system operation.
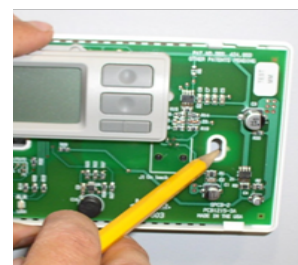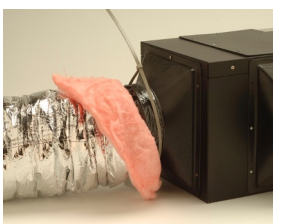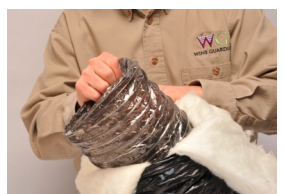
8. Turn Unit On

A. Turn the ON/OFF switch to the "ON" position. Switch should turn green. The Remote User Interface is preset to a wine cellar temperature of 55°F (13°C).

B. Upon start up the display will read "Hi Temp" fault. Press the "Up" or "Down" button on the controller to go to the main screen. The "Hi Temp" fault will remain illuminated on the main screen until the temperature within the wine cellar falls below 65°F (13°C).

C. The system will turn on after a 5-minute time delay and the cold air section will start to deliver cold air. Contact Wine Guardian if the system fails to turn on.

9. Optional Equipment
(Refer to Ducted IOM for set-up instructions)

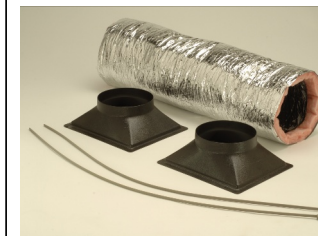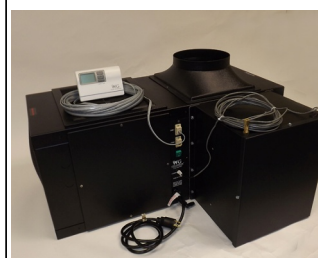**Humidification—Integral or Stand-alone**
Ideal for adding humidity to your wine cellar.

Temperature/Humidity Remote Sensors
Sense and control multiple locations (maximum of three) within your wine cellar. Ideal for odd shaped rooms or multi-room applications.

Duct Collar Connections
Wine Guardian duct collars and duct kits are specifically designed to attach directly to the WG unit with no additional drilling or tapping required. Kit includes duct collars, flexible duct, tie wraps and fasteners.

Cheers!
Enjoy your newly installed
Wine Guardian
Ducted Wine Cellar
Cooling System