

Ducted Cooling Systems



Wine Guardian Ducted Installation.
Courtesy: [Lakeshore Wine Cellars](#)

Wine is your passion. Preserving it is ours.

Wine Guardian® ducted wine cellar cooling units are the **quietest**, most **versatile** cooling systems on the market. They provide optimal **temperature and humidity** control for both commercial and residential cellars with a design that allows for **easy installation**. Our units combine optimal control with the most **energy efficiency** in the industry.

With Wine Guardian ducted systems you create the perfect environment for preserving your fine wine— even though the system is **hidden from view**.

Versatile enough for use in any wine cellar...

- Multiple capacities for cellars of any size and configuration
- Removable control panel for easy access
- Multiple supply-air openings for installation flexibility
- High static pressure fans for extended lengths of ductwork
- Space-saving vertical configuration (D050 & D088 only)

Sophisticated enough for use in your cellar.

- Creates virtually no noise in cellar
- Lightweight, corrosion resistant, all aluminum outer body
- Remote user interface control system
- Most energy-efficient unit on the market



Ducted wine cellar cooling system with optional, integrated humidifier installed

Options

- [Water-cooled systems](#)
- Low and high ambient protection
- Drip pad [humidifier](#) and humidistat (Freestanding or integrated)
- Integral electric heat
- Duct kits and grilles
- Condensate pump
- Remote monitoring and sensing
- [Factory-configured serving temperature option](#)

Wine Guardian USA:

1 (800) 825 3268 | 1 (315) 452 7400

wineguardian.com | info@wineguardian.com

Wine Guardian European Office:

Pestalozzistrasse 2, CH-8201 Schaffhausen, Switzerland

+41 (0) 52 224-0490 | tluehr@airinnovations.com

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Ducted system with installed duct work

Benefits of external ducting

- Unit is located outside the wine cellar
- Quiet with virtually no vibration in the cellar
- Better air distribution and temperature control than through-the-wall or ductless split systems
- Flexibility in location and cellar design
- Easier to service
- No visible mechanical equipment in the wine cellar



Control-Side View



Vertical ducted unit



[Remote user interface control system](#) displays temperature in °F or °C

Benefits of Vertical Configuration

The vertically configured footprint allows for the installation in a smaller area and for maximizing mechanical room space. The vertical configuration is available on the 1/2-ton [Do50](#) unit and the 1-ton [Do88](#) unit in both air-cooled and water-cooled models.

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System Specifications*

60Hz Ducted Units**

Model	Capacity*	Length	Width	Height	Electrical	Weight
D025	400-2,000 cu. ft.	33"	14"	14"	115v / 1ph / 60Hz	80 lbs.
D050	800-3,000 cu. ft.	33"	22"	14"	115v / 1ph / 60Hz	125 lbs.
D050-V	800-3,000 cu. ft.	22"	22"	29"	115v / 1ph / 60Hz	150 lbs.
D088	1,500-6,000 cu. ft.	33"	22"	14"	230v / 1ph / 60Hz	130 lbs.
D088-V	1,500-6,000 cu. ft.	22"	22"	29"	230v / 1ph / 60Hz	175 lbs.
D200	2,500-8,500 cu. ft.	50"	22"	18"	230v / 1ph / 60Hz	200 lbs.

**60Hz units are used predominantly in, but not limited to, North America and parts of South America, parts of Asia and parts of the Caribbean. Check to see what frequency your country uses [here](#).



Made in the U.S.A.

50Hz Ducted Units**

Model	Capacity*	Length	Width	Height	Electrical	Weight
WG40	11 - 56 m ³	83.8 cm	35.6 cm	35.6 cm	220 - 240v / single-phase / 50Hz	36 kg.
WG75	23 - 91 m ³	83.8 cm	55.9 cm	35.6 cm	220 - 240v / single-phase / 50Hz	56 kg.
WG100	42 - 170 m ³	83.8 cm	55.9 cm	35.6 cm	220 - 240v / single-phase / 50Hz	59 kg.
WG175	70 - 240 m ³	127 cm	55.9 cm	45.7 cm	220 - 240v / single-phase / 50Hz	91 kg.

**50Hz units are used predominantly in, but not limited to, Europe, Africa, Australia, New Zealand, parts of Asia and parts of South America. See which frequency your country uses [here](#).



WG40, WG100 and WG175 conform to China Compulsory Certification (CCC) standards.

*Sizing note: Many variables affect proper unit sizing, including type of construction, insulation values, amount of glass, residential vs. commercial applications, etc.

Proper unit size should only be determined by performing a heat load calculation. While the [Wine Guardian cooling calculator](#) is a good guideline, be sure to perform an in-depth heat load calculation and do not size purely on cubic feet. Check with your Wine Guardian authorized distributor for more information. Not all systems may offer all the features described above. For instance, humidity can only be controlled if the unit is equipped with a humidifier. Wine Guardian systems are made in the USA. Manufacturer reserves the right to make changes to this document, without prior notice, at its sole discretion.

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