

# Wine Care Concepts

**Wine care climate control done right.**

845-278-5281 sales@winecareconcepts.com



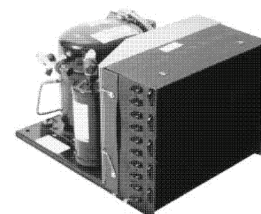
## Split Systems and their Options

We offer the most precise and durable wine care systems on the market, designed and built-to-order by the wine storage industry's *original* manufacturers.

Our condensers can be mounted *indoors or outdoors*, and our evaporators can be either *ducted or ductless*. With options for humidification, heating and the most innovative and capable system controllers you will find anywhere, we can tailor a system to any application.

**Condensers (R22):** (we also offer a few R134a systems)

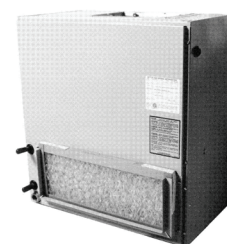
2,600BTU	7,600BTU	13,400BTU
4,010BTU	10,200BTU	18,100BTU
5,700BTU	10,900BTU	20,600BTU



**Evaporators: Ductless:** for the 2,600BTU through 10,900BTU systems, we offer the handsome and quiet SL Series. Mounts on a wall in the wine cellar. *Fully-integrated* humidification and/or heating options available.



**Evaporators: Ducted:** for the 4,010BTU through 18,100BTU systems, we offer the DVX and DHX Series ducted air handlers. The DVX (shown here) is vertical; the DHX is a horizontal unit. Both models can be used with or without ductwork.



*All systems are delivered complete* (including thermostat); all that the installer provides is copper tubing and refrigerant material (and ductwork where applicable).

**Humidification and Heating:** we offer the only *truly integrated* climate-control options on the market. "Integrated" means that all components are run by the same controller, providing pin-point accuracy and maximum stability.

For ducted systems, we supply a series of Johnson Controls, an Aprilaire humidifier and, where needed, a standard duct heater.

For ductless systems, we offer the revolutionary new **WineSmart System Controller**, the first and only Controller to allow the fully-integrated use of a separate humidifier and/or heater with a *ductless* split system. The WineSmart can also run a two-system arrangement, and can be used with a ducted system. Internet Module available; requires web site subscription.

*This level of precision and durability is simply not offered elsewhere.*

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## Humidification & Heating

For many end-users, a climate control system that simply removes heat from the wine cellar is sufficient; they want simple temperature control.

Some customers want to give their wines more protection by keeping humidity levels from going too low. A humidifier takes care of that.

More and more customers are deciding to give their wines still more protection with complete climate control in the wine cellar. Complete control is achieved with an integrated humidification option, run by the same controller that runs the other system components.

For the ultimate in climate balance and precision, a heater is included (and is recommended for cold climates and humid/rainy areas).

Our split system controllers provide a level of integration that is not found in other systems. For the ultimate in customer peace-of-mind,.



**WineSmart System Controller:** the most innovative and capable wine care controller ever designed. For any of our split systems. Start-up protection, short-cycle protection, freeze protection, and the ability to balance temperature and humidity to unprecedented levels of accuracy. The first and only controller to provide integrated humidification and/or heating with a *ductless* evaporator; also compatible with ducted evaporator systems. Internet module available; requires website subscription. Two-stage model available; runs two split systems independently. Available in standard format, and built-in format (uses SLMA ductless evaporators; same control panel shown; less wiring). Remote temp/humid display modules available.

WineSmart can also be used with customer-supplied 24-vac humidifier and/or heater.

**Johnson Controls:** the famous flexibility of Johnson System 350 controls provides the foundation of our ducted system climate control options. Utilizing an Aprilaire duct-mounted humidifier and a standard duct heater, our Johnson Controls option provides a level of fine-tuned climate control that most end-users are not even aware is available.

**Pre-wired Control Panel:** we also offer an optional pre-wired/pre-set/tested control panel. With all the Johnson modules wired up and ready for easy terminal strip connection, and mounted in a sturdy metal lock box, the option saves several hours of installation time.



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## Heat Load Request Form

Following is the information required to calculate wine cellar heat load. Sometimes, not all of the information is available. *Please provide as much information as possible.* In addition to insulation, the room will require a *tight vapor seal* on all surfaces.

Company Name \_\_\_\_\_ Contact \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email: \_\_\_\_\_

City/State of Wine Cellar: \_\_\_\_\_ Project Name: \_\_\_\_\_

Elevation (if above 2,500 feet) \_\_\_\_\_

Room Dimensions: L \_\_\_\_\_ W \_\_\_\_\_ H \_\_\_\_\_

(If room has an unusual shape or detail, please provide sketch of floor plan, or *linear feet of walls and square footage of ceiling.*)

**Walls:** are any walls EXTERIOR? Yes \_\_\_ No \_\_\_ If yes, please indicate which walls.

**Floor location:** on-grade \_\_\_\_\_ below-grade \_\_\_\_\_ above-grade \_\_\_\_\_

If above-grade, *it is highly recommended that the floor be insulated.* If above-grade, we will need to know temperature range of space below the floor: \_\_\_\_\_

If floor cannot be insulated, that must be noted here: \_\_\_\_\_ ✓

If at-grade, it is recommended that the floor be insulated in hot weather states.

**Insulation R-Value:** Walls \_\_\_\_\_ Ceiling \_\_\_\_\_ Floor \_\_\_\_\_

**Door:** exterior grade? Yes \_\_\_ No \_\_\_ R-value of door (if known) \_\_\_\_\_

**Glass in square feet:** Single Pane \_\_\_\_\_ Double Pane \_\_\_\_\_ Triple Pane \_\_\_\_\_

**Total Watts of Lighting:** \_\_\_\_\_ **Other Heat Sources:** \_\_\_\_\_

**Usage:** Residential \_\_\_\_\_ Hi-Use Residential \_\_\_\_\_ Commercial \_\_\_\_\_ Hi-Use Commercial \_\_\_\_\_

**Number of Persons** in cellar during normal occupancy: \_\_\_\_\_

**Planned Condenser Location** (for split systems): Indoors \_\_\_\_\_ Outdoors \_\_\_\_\_

**Type of Evaporator:** (for split systems): Ductless \_\_\_\_\_ Ducted \_\_\_\_\_

Feel free to contact us with questions: **845-278-5281** or **sales@winecareconcepts.com**

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## Split System Specifications

BTU	INDOOR CONDENSER	OUTDOOR CONDENSER	ELECTRICAL**	LIQUID LINE	SUCTION LINE	HP
2,600	9Hx13Wx18.5L	14Hx18Wx26L	110V/15A	1/4"	3/8"	1/5
4,010	9x13x19.4	14x18x26	Ducted: 110V/15A Ductless: 110 & 220	1/4"	3/8"	1/4
5,700	13.2x14x20.6	14x18x26	Ducted:110v/15a Ductless: 220v/15a	1/4"	1/2"	1/3
7,600	13.2x14x20.6	14x18x26	Ducted: 110v/15a Ductless: 220v/15a	1/4"	1/2"	1/2
10,200	14x18x24.3	22x24x27	220v/15a	3/8"	1/2"	3/4
10,900	14x18x24.3	22x24x27	220v/15a	3/8"	1/2"	1
13,400	13.2x17.8x24.2	22x24x27	220v/15a	3/8"	5/8"	1
18,100	16.2x17x24.9	22x24x27	220v/25a	3/8"	5/8"	1.5

\*\* - WineSmart systems have different electrical requirements; see separate wiring info.

**Refrigerant:** R22 (we also offer R134a system for ducted applications).

**Ducted Systems:** use two electrical circuits, one for the condenser, one for the Fan Center (110v/15a; this is a small control box that mounts on or near the ducted evaporator).

**Ductless Systems:** 2,600 and 4,010 us one 110v/15a circuit for the condenser; 5,700 and larger use two 220v circuits (condenser and evaporator).

**Ductless Evaporators: SLD-4 (4,010)** 30.25"L x 11.25"H x 7.75"D.

**SLD-5 (5,700)** 30.25"L x 11.25"H x 7.75"D.

**SLD-7/10 (7,600 through 10,900)** 41"L x 11.5"H x 9.5"D.

**SLMA Ductless Evaporators** (for built-in WineSmart Controller systems):

SLMA 4 (4,010BTU system): 34.6"L x 11.7"H

SLMA 5 (5,700BTU system): 39"L x 12"H

SLMA 7 & 10 (7,600BTU & 10,200BTU systems): 46"L x 14.2"H

Split Systems are delivered complete; all that the installer provides is copper tubing, refrigerant material, and some wiring. Complete installation and wiring info delivered with each system.