

SYSTEM INFORMATION

The High Static (HS) Systems are designed to provide refrigerated air to medium-high temperature spaces. HS evaporators are powerful enough to be installed as far as 25 feet away from the refrigerated room. The chilled air is ducted back into the room, eliminating noise or the inconvenience of an in-room evaporator, which frees up valuable space.

HS evaporators are available in capacities from 1,800 to 20,000 BTU per hour and are used with an R134a refrigerant.

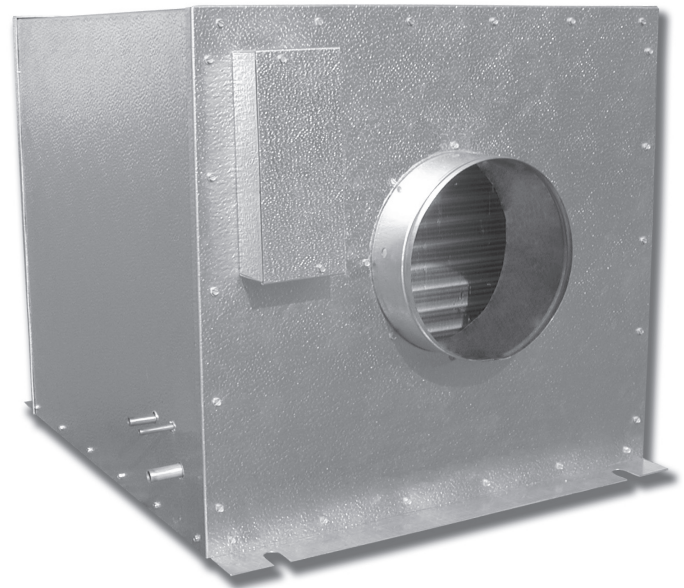
FEATURES

- No noise produced in the wine cellar
- Occupies no space in the wine cellar
- Provides static pressure for duct runs up to 25 ft
- Insulated rust-proof aluminum housing
- Thermally protected permanently lubricated motor
- Automatic expansion valve (standard) ensures constant coil temperature to promote "Humidity Balance"
- Pump-down solenoid valve (standard) protects compressor in the event of leaks
- Pre-installed valves eliminate additional wiring to thermostat
- Pressure tested by the manufacturer to ensure quality
- Factory-wired for simple field installation
- ETL certified

AVAILABLE OPTIONS

Our Application Engineers can help you design the system you need. Call us today, (562) 513-3017 and we'll help you get the right product for your project.

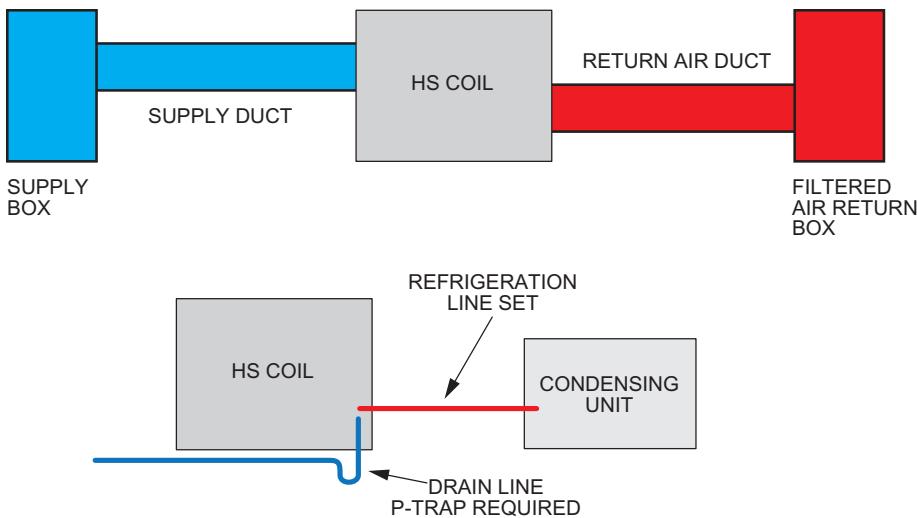
- Secondary drain pan for elevated and sensitive installations
- Stainless steel cabinets for high corrosive environments
- Eco-friendly water-cooled condensing units available
- Industrial applications available



HS SERIES

HS COOLING SYSTEM TYPICAL INSTALLATION

- Installation diagram shows the typical duct layout. Actual layout to be determined by installer
- Duct work not to exceed 50' total length
- For short duct length may install a fan speed to slow down fan speed. Keep line sets as short as possible
- The system is controlled by a pump down control system. There is no control wiring between thermostat and condensing unit
- Standard line sets should be 50' or less. Extended runs may require larger line sizes and 3oz. oil must be added for every 10' over 35'. Drain line must always flow downhill to drain or pump
- The line connections at Fan Coil and Condensing Unit may not be the same as the required line sizes
- Excessive number of turns will cause refrigerant flow problems. This could cause early compressor failure. Suction line accumulators are recommended. Required if working lower than the normal 55-65° operating range from wine cellar.



WIRING DIAGRAMS

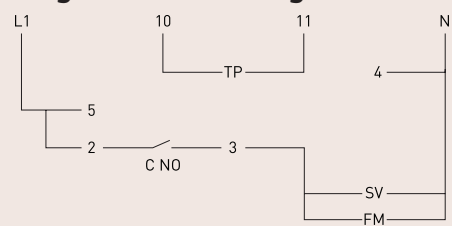
Field Wiring

- L1** 115 V Line Voltage
- N** Neutral
- SV** Solenoid Valve
- FM** Fan Motor
- TP** Temperature Probe

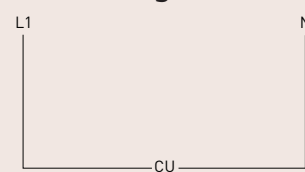
Back of Controller Connections

- 10** Temperature Probe
- 11** Temperature Probe
- 4** Neutral
- 5** 115V Line Voltage
- 2** Jumper from 5
- 3** Switch Leg to Fan Coil
- C NO** Internal normally open contact

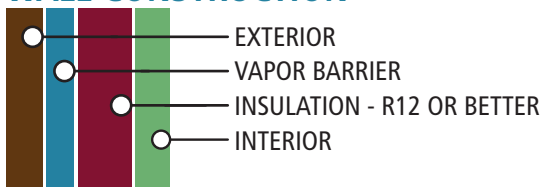
Single Fan Coil Wiring



Condensing Unit Wiring



WALL CONSTRUCTION



CEILING CONSTRUCTION

