

SYSTEM INFORMATION

The Low Profile Quiet (LPQ) Systems are designed to provide refrigerated air quietly and dependably. LPQ Systems are an excellent choice for quiet, long-term storage and require very low maintenance. These ceiling-mounted units are excellent for vaulted rooms. The LPQ supplies refrigerated air behind the coil down the wall and brings return air in the angled front, promoting circulation.

LPQ evaporators are available in standard capacities from 1,800 to 8,600 BTU per hour and are used with R134a refrigerant.

FEATURES

- Textured heavy-gauge aluminum cabinet
- Easily removable drain pan
- Molded fan guards and blades
- Thermal expansion valve (standard) installed
- Pump-down solenoid valve (standard) protects compressor in the event of leaks
- Pre-installed valves eliminate additional wiring to thermostat
- 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.

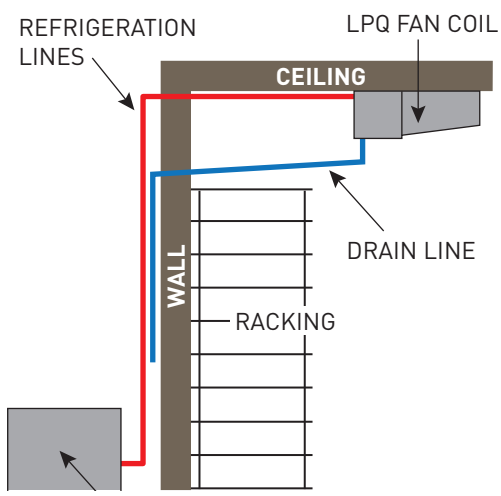
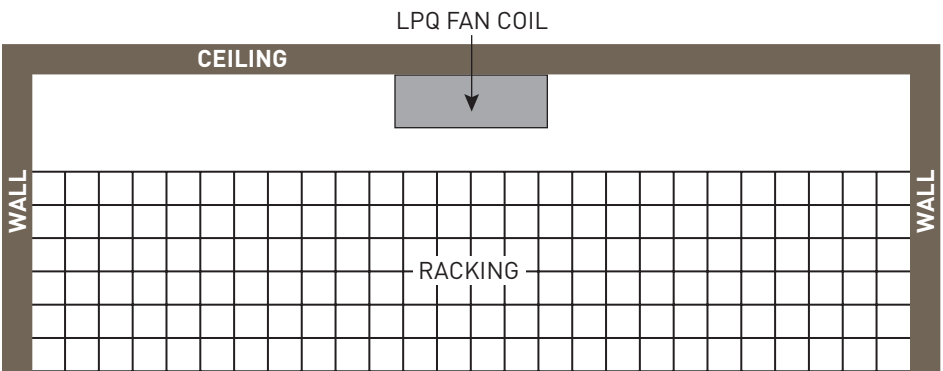
- Twin evaporator systems available for larger applications
- Eco-friendly water-cooled condensing units available
- Stainless steel cabinets for high-corrosive environments



LPQ SERIES

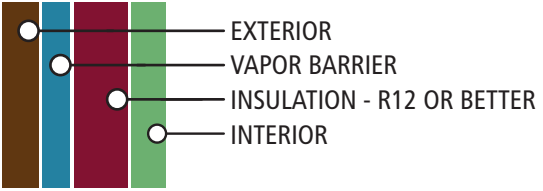
LPQ COOLING SYSTEM TYPICAL INSTALLATION

- Keep line sets as short as possible.
- 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.
- Drain line must always flow down hill to drain or pump
- The system is controlled by a pump down control system. There is no control wiring between thermostat and condensing unit
- The line connections at Fan Coil and Condensing Unit may not be the same as the required line sizes
- 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'

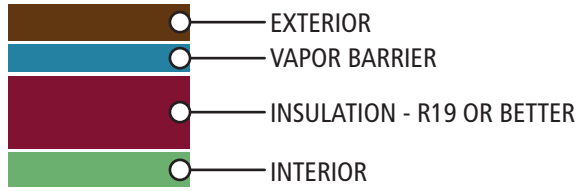


LEAVE 2" ON EACH SIDE AND 6" BELOW FOR SERVICE INTERIOR ACCESS
3" BEHIND FOR AIR CIRCULATION

WALL CONSTRUCTION



CEILING CONSTRUCTION



WIRING DIAGRAMS

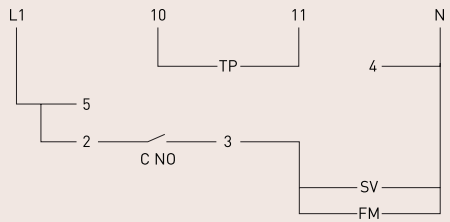
Field Wiring

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

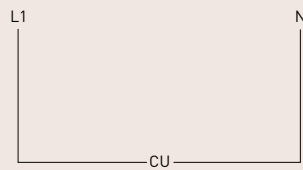
Back of Controller Connections

- 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



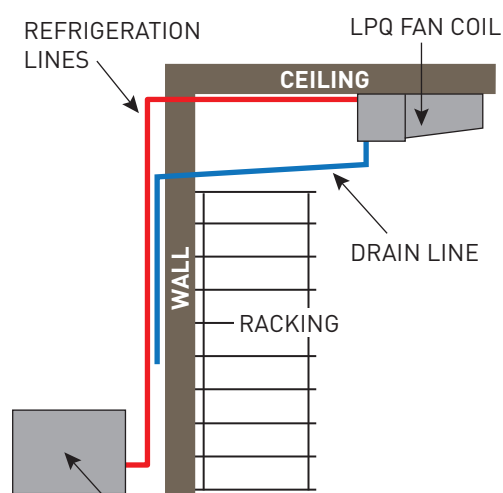
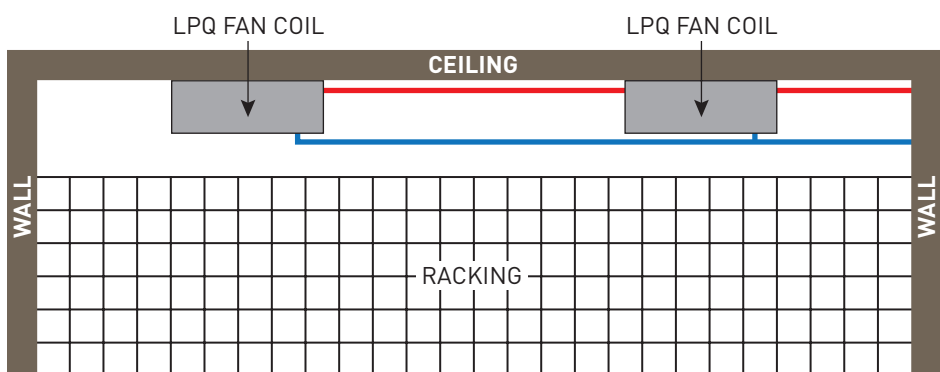
Condensing Unit Wiring



LPQ TE SERIES

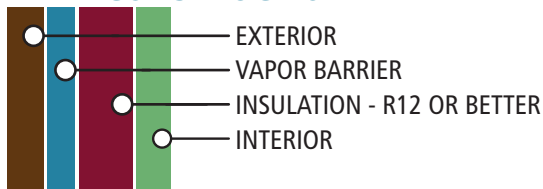
LPQ TE COOLING SYSTEM TYPICAL INSTALLATION

- Keep line sets as short as possible.
- 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
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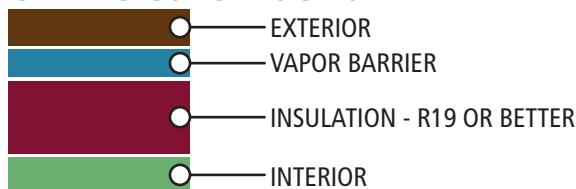


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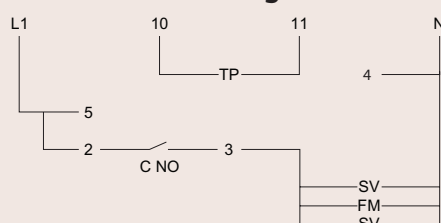
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- TP** Temperature Probe

Back of Controller Connections

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- 11** Temperature Probe
- 4** Neutral
- 5** 115V Line Voltage
- 2** Jumper from 5
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- C NO** Internal normally open contact

Twin Fan Coil Wiring



Condensing Unit Wiring

