



CELLARCOOL

FLEX SERIES

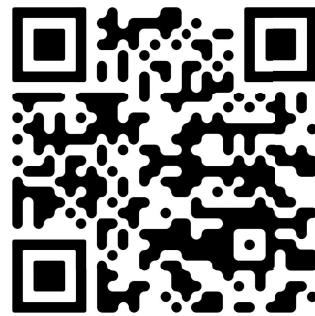
WINE CELLAR COOLING SYSTEM

1738 E Alpine Ave.
Stockton, CA, 95205
United States of America

CELLARCOOL



**SIZE YOUR COOLING SYSTEM
WITH OUR BTU/H CALCULATOR -**



Introduction to the Flex Series

◦ Key Features	03
◦ Product Line-Up	04
◦ Specifications	05
◦ Applications	06
◦ Installations	07
◦ Dimensions	08
◦ Comparison Chart	09
◦ Warranty & Shipping	10

After Sales Service

Tel. 1-209-636-2605 or support@cellarcool.com

SAY HELLO TO THE FLEX SERIES

A compact split system designed for hidden installations, flexible airflow configurations, and modern wine cellar applications.



KEY FEATURES



TOUCH DISPLAY

The KDT digital touch display can be installed up to 50 ft. away and provides Advanced System Protection alerts.



BOTTLE PROBE

The unit uses a liquid-temperature probe to measure wine temperature rather than ambient air, ensuring precise cellar conditions.



ADAPTABLE AIRFLOW

Air diffusers and duct plenums support ducted, ductless, or hybrid airflow configurations.



UPWARD-FACING FLARE FITTINGS

Integrated knockouts and upward-facing flare fittings allow for cleaner routing and easier installation access.



DUAL-SIDE SERVICE ACCESS

Removable coil design and dual-side access simplify installation, maintenance, and long-term service.

PRODUCT LINE UP



Flex 2500, 3500, 5000

The Flex Series is a compact split system designed for hidden wine cellar installations, including soffits, cabinetry, wine walls, and ducted applications. Compatible with Omni 110V and 220V H.E. condensers, it delivers flexible airflow, quiet operation, and simplified installation for modern cellar designs.

Benefits:

- Built-in condensate pump system
- Dual-side service access for easier maintenance
- Flare fittings allow quick, brazing-free installation
- 2-speed fan switch for precise airflow management
- Available with either 110V or 220V condenser options
- Ducted, ductless, or hybrid airflow configurations
- Supports stealth installations so system is invisible in cellar
- E-coated coils for improved performance & system longevity

BLOW-THROUGH 2500



BTU/H Rating @ 85°F:
2263-2640

BLOW-THROUGH 3500/5000



BTU/H Rating @ 85°F:
4424 - 5544

REQUIRED AIRFLOW KITS



DUCTLESS AIRFLOW KIT

Direct airflow into the cellar using dual airflow deflectors.



DUCTED AIRFLOW KIT

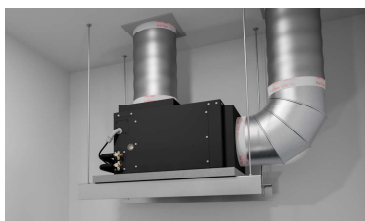
Ducted airflow into the cellar using dual duct plenums.



HYBRID AIRFLOW KIT

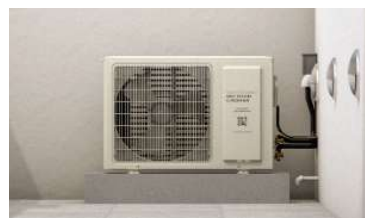
Hybrid airflow using a duct plenum and airflow deflector.

CONDENSER OPTIONS



Omni 110V H.E.

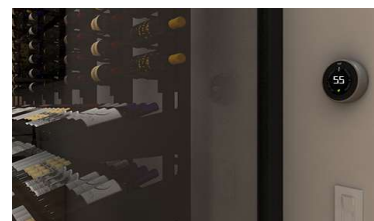
Allows for indoor installation with ducting capability.



220V H.E.

Built for direct outdoor use in extreme temperature ranges.

OPTIONAL ACCESSORIES



24V Thermostat Kit

Enables 3rd party smart thermostat control for remote monitoring.



2500, 3500, 5000 SYSTEM SPECIFICATIONS (OMNI 110V H.E./220V H.E.) ↙

Model	Flex 2500	Flex 3500	Flex 5000
CFM	109 (med) / 185 (high)	262 (low) / 352 (med) / 430 (high)	
DBA	Sound levels as low as the listed rating at 6 ft. - 46 (low speed) / 53 (med speed) / 59 (high speed)		
Dimensions (Ducted)	27.5"L X 12.5"W x 10.5"H	30.5"L X 15.5"W X 15.5"H	
Dimensions (Ductless)	30.18"L X 12.5"W x 10.5"H	41.52"L X 15.5"W X 15.5"H	
Dimensions (Hybrid)	28.84"L X 12.5"W x 10.5"H	36.01"L X 15.5"W X 15.5"H	
Refrigerant	R-134a		
Voltage Rating	120V (15-amp dedicated circuit required), 220V (available upon request)		
Weight (lbs)	45	65	
Amps (Running)	0.64	1.4	
Drain Line	Unit is equipped with condensate pump with 1/4" drain line. 2-1/2" drain lines optional if needed		
Installation	Evaporator can be installed in cellars, soffits, attics, or adjacent mechanical spaces.		
Duct Guidelines	25' Run / 8" Ducts	25' Run / 10" Ducts	
Thermostat	Advanced digital display (50ft. cable), liquid-temperature-measuring bottle probe (50ft. cable)		

BTU RATINGS (OMNI 110V H.E./220V H.E.) ↙

Fan Speed	Medium	High	Low	Medium	High	Low	Medium	High
Evaporator + Condenser	2500 Flex + Omni		3500 Flex + Omni			5000 Flex + Omni		
BTU/h 60°F cond. inlet air (Sensible/Total)	2198/2818	2308/2959	3923/4218	4384/4887	4792/5478	4667/5488	4775/5638	4870/5770
BTU/h 75°F cond. inlet air (Sensible/Total)	1919/2333	2015/2450	3823/4128	4277/4762	4678/5323	4497/4829	4603/4948	4695/5054
BTU/h 85°F cond. inlet air (Sensible/Total)	1876/2263	1969/2376	3848/4424	4168/4632	4451/4816	4463/4632	4558/4822	4641/4990
Evaporator + Condenser	2500 Flex + H.E.		3500 Flex + H.E.			5000 Flex + H.E.		
BTU/h 60°F cond. inlet air (Sensible/Total)	2442/3131	2564/3288	4359/4687	4871/5430	5324/6087	5185/6098	5305/6264	5411/6411
BTU/h 75°F cond. inlet air (Sensible/Total)	2132/2592	2239/2722	4248/4587	4752/5291	5198/5914	4997/5365	5114 / 5498	5217/5615
BTU/h 85°F cond. inlet air (Sensible/Total)	2084/2514	2188/2640	4276/4916	4631/5147	4945/5351	4959/5147	5064/5358	5157/5544

IMPORTANT NOTE: Cooling capacities are based on a fully insulated and sealed wine cellar with a proper vapor barrier. Since every cellar is unique, a heat load calculation should always be performed prior to unit selection. Split system cooling units must be installed by a qualified, licensed HVAC/R technician or the warranty will be void.

SYSTEM APPLICATIONS



BUILT-IN WINE CABINETS

Designed for integration within custom cabinetry, wine walls, and millwork where hidden placement and directional airflow are essential.



GLASS-ENCLOSED CELLARS

An ideal solution for modern glass wine cellars where hidden installation preserves clean sightlines and keeps mechanical equipment out of view.



CAMOUFLAGED IN-CELLAR

The Flex Series can be concealed behind custom wooden grilles and millwork, allowing the system to blend seamlessly within the existing cellar design.



FLEXIBLE INSTALLATIONS

This system can be installed in nearby closets, mechanical spaces, or overhead soffits, so conditioned air to be directed into the cellar while keeping equipment discreetly out of view.





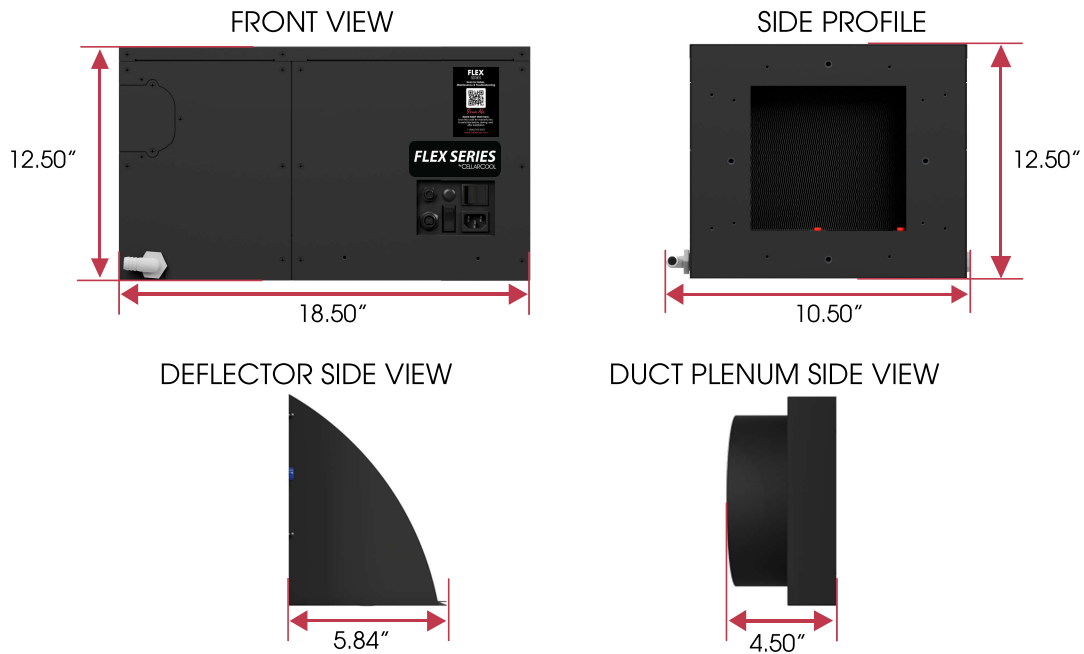
STEALTH BY DESIGN

Experience KOOL without seeing it. Your wine should be the center of attention, not the cooling system.

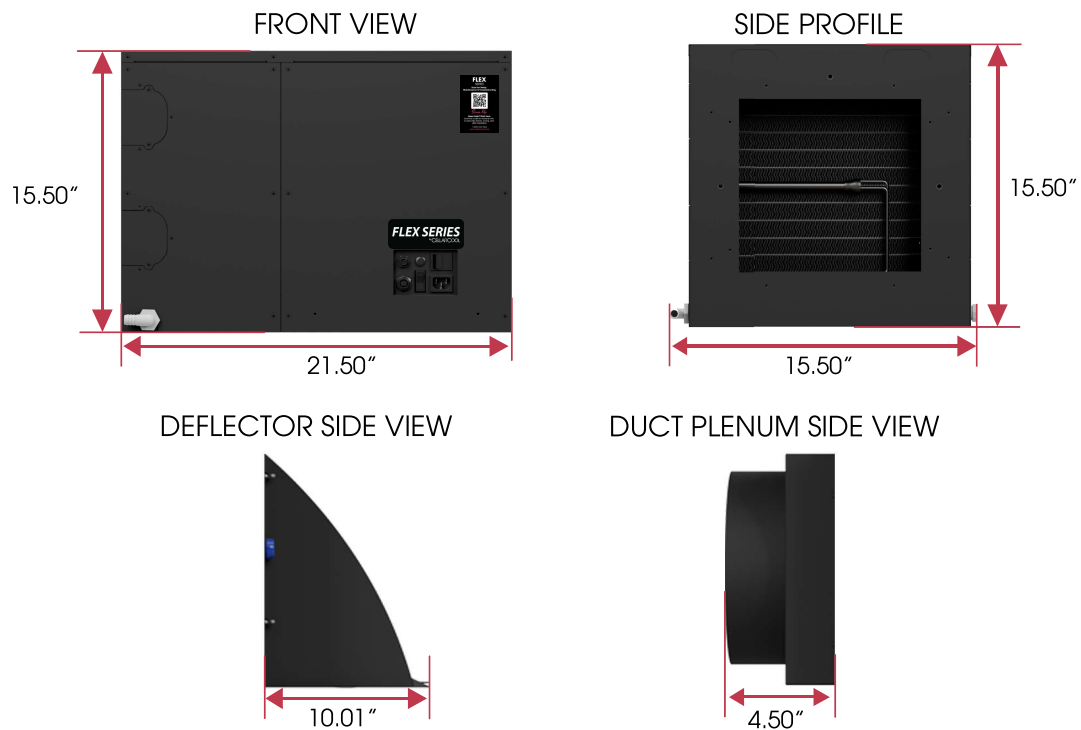
BUILT TO BE INVISIBLE

The Flex Series is designed for hidden installations within soffits, cabinetry, wine walls, and adjacent spaces. Optional ducted, ductless, and hybrid airflow configurations allow the system to adapt seamlessly to modern cellar designs while remaining discreetly out of sight.

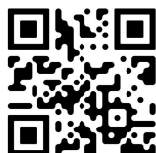
BLOW-THROUGH 2500 DIMENSIONS



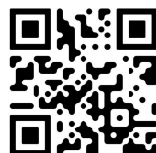
BLOW-THROUGH 3500,5000 DIMENSIONS



SCAN FOR CAD FILES



**2D
CAD**



**3D
CAD**

or visit, cellarcool.com/cad-drawings

EVAPORATOR COMPARISON



SPLIT-SYSTEM COMPARISON

SYSTEM CAPACITY

COOLING CAPACITY

(≥ 2,000 BTU/H)

COOLING CAPACITY

(≥ 4,000 BTU/H)

COOLING CAPACITY

(≥ 6,000 BTU/H)

COOLING CAPACITY

(≥ 8,000 BTU/H)

COOLING CAPACITY

(≥ 10,000 BTU/H)

KEY FEATURES

REMOTE CONTROL THERMOSTAT

(50FT. KDT CONTROLLER)

LIQUID-SENSING BOTTLE PROBE

(TEMPERATURE MONITORING)

VARIABLE SPEED FAN CONTROLS

(2/3 SPEED FAN SWITCH)

MAXIMIZES RACKING CAPACITY

(DOES NOT TAKE UP WALL SPACE)

CONDENSATE MANAGEMENT

(INTEGRATED CONDENSATE PUMP)

IN-CELLAR INSTALLATION

(EVAPORATOR INSIDE CELLAR)

AIRFLOW ORIENTATION OPTIONS

(CONFIGURABLE AIRFLOW DIRECTION)

DUCTLESS SPLIT SYSTEM

(PROVIDES DIRECT AIRFLOW)

DUCTED SPLIT SYSTEM

(PROVIDES AIRFLOW VIA DUCT RUNS)

OPTIONAL ADD-ONS

UV-C LIGHTING SYSTEM

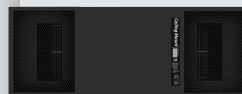
(OPTIONAL ADD-ON)

SMART THERMOSTAT OPTION

(24V THERMOSTAT KIT)



**BLOW-THROUGH
SERIES**



**CEILING MOUNT
SERIES**



**FULLY DUCTED SPLIT
SERIES**



MEET OUR HIGH-EFFICIENCY CONDENSERS

Engineered for powerful performance, these condensers reject heat with precision to maintain steady, reliable cellar temperatures.





OMNI 110V H.E. CONDENSER SPECIFICATIONS



Model	Omni 2500	Omni 3500	Omni 5000
DBA @ 85°F Ambient Temp. (Non-Ducted Applications)	Sound levels as low as the listed rating at 6 ft. - 52 dBA		
Dimensions	23”L x 15.75”W x 15.3H		
Refrigerant	R-134a		
HP	0.25+ HP	0.5 HP	0.5+ HP
Voltage Rating	110V - 130V		
Weight (lbs)	75 lbs	75 lbs	86 lbs
Amps (running)	5.0	8.5	9.5
Line Set	Liquid line 1/4” OD; Suction line 3/8” OD (less than 50 ft.), 1/2” (greater than 50 ft.)	Liquid line 1/4” OD; Suction line 1/2” OD (less than 50 ft.), 5/8” (greater than 50 ft.)	
Ducting Options	10” duct diameter. Length 12.5’ for Supply, 12.5’ for Return. 25’ total duct length. (If length is increased capacity may be negatively affected)		
Installation	Condensing unit can be installed up to 100 ft of line set from evaporator unit.		
Temp. Delta	Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature		
Warranty	Two-year limited warranty with up to an additional (1) year grace period for installation. (parts and labor)		

220V H.E. SYSTEM CONDENSER SPECIFICATIONS



Model	H.E.2500	H.E.3500	H.E.5000	H.E.9000	H.E.12000	H.E.18000	H.E.24000
DBA @ 85°F Ambient Temp. (Non-Ducted Applications)	48 dBA	45 dBA	48 dBA		52 dBA		58 dBA
Dimensions	31.18"L x 10.75"W x 21.18"H				31.18"L x 10.75"W x 23.25"H		
Refrigerant	R-134a						
HP	0.35+ HP	0.6 HP	0.7 HP	1 HP	1.5 HP	2 HP	3 HP
Voltage Rating	210V - 230V						
Weight (lbs)	48 lbs	55 lbs	56 lbs	64 lbs	84 lbs	116 lbs	171 lbs
Amps (running)	1.7	3.1	3.66	4.89	6.6	7.56	13
Line Set	Liquid line 1/4" OD; Suction line 3/8" OD (less than 50'), 1/2" (greater than 50')	Liquid line 1/4" OD; Suction line 1/2" OD (less than 50'), 5/8" (greater than 50')		Liquid line 3/8" OD; Suction line 5/8" OD (less than 50'), 3/4" (greater than 50')			
Installation	Condensing unit can be installed up to 100 ft of line set from evaporator unit.						
Temp. Delta	Can maintain a 55°F cellar temperature with up to 120°F condenser air intake temperature						
Warranty	Two-year limited warranty with up to an additional (1) year grace period for installation (parts and labor)						

*Suggested cubic footage rating assumes cellar is properly sealed and insulated with a minimum R19 insulation value. Materials such as glass, stone, concrete, etc., will negatively affect the insulation value. Each wine cellar is unique, and heat load calculations should always be performed prior to selecting a cooling unit.

OMNI 110V H.E. CONDENSER KEY FEATURES



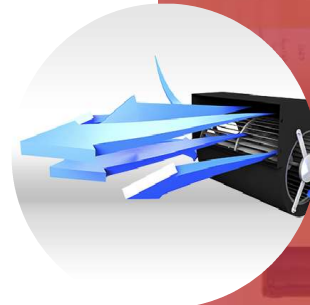
SIMPLIFIED INSTALLATION

Easy access to all controls, valves, and service points ensures a smoother installation process and quicker setup for contractors.



ECM CENTRIFUGAL BLOWERS

Designed to automatically adjust speed to effectively discharge heat, ensuring optimal performance and energy efficiency.



ULTRA QUIET OPERATION

Reduces compressor noise and vibration through vibration isolation mounts, allowing for quieter operation.



DUCTING OPTIONS

With the Duct Kit, you can duct the unit up to 25 feet away, and the system's fan can be oriented in two different directions.



INSTALLATION LOCATION FLEXIBILITY

Designed for indoor or outdoor placement, offering added flexibility when site or design constraints limit traditional condenser locations.



220V H.E. KEY FEATURES



SIMPLIFIED INSTALLATION

Easy access to all controls, valves, and service points ensures a smoother installation process and quicker setup for contractors.



ULTRA QUIET OPERATION

Utilizes large, low-speed fans to create substantially lower operation sound levels between (45dB-52dB).



COMMUNICATION CABLE

Reliable 18-5 Communication Cable for Seamless Evaporator to Condenser Connection.



OPERATES IN EXTREME HEAT

Engineered to perform flawlessly in temperatures up to 120°F, ensuring reliable cooling in the harshest environments.



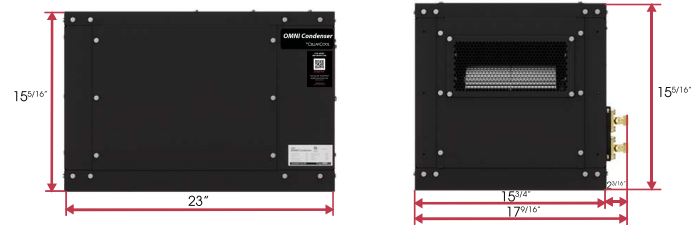
QR CODE

We've placed QR codes to directly lead you to all the vital information about installing and maintaining your system.

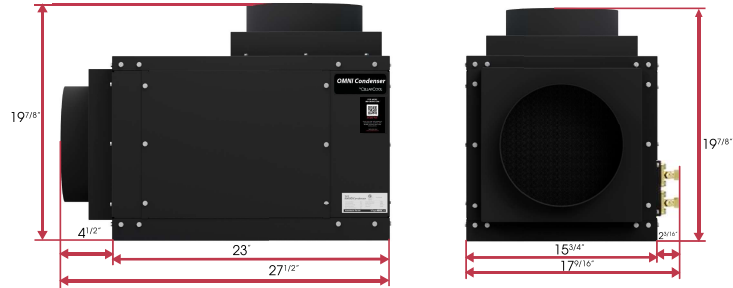
OMNI 110V H.E. CONDENSER DIMENSIONS



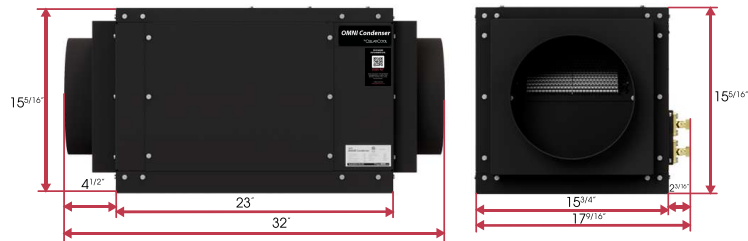
DUCTLESS (2500, 3500, 5000)



DUCTED OREINTATION 1 (2500, 3500, 5000)



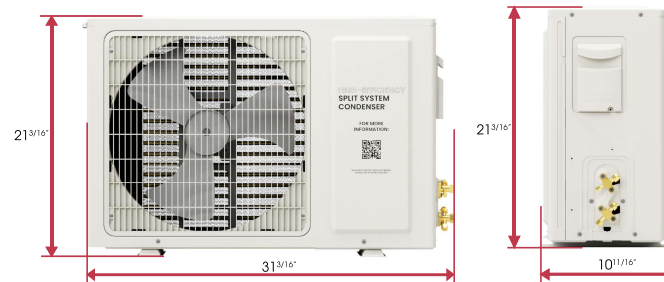
DUCTED OREINTATION 2 (2500, 3500, 5000)



220V H.E. CONDENSER DIMENSIONS



2500, 3500, 5000, 9000 MODELS



12000, 15000, 23500 MODELS



CONDENSER COMPARISON



OMNI 110V H.E. VS. 220V H.E.

SYSTEM VOLTAGE

110-120V VOLTAGE



210-230V VOLTAGE



SYSTEM OPERATION

PUMP DOWN



COMMUNICATION CABLE



APPLICATION

PLACED ON ROOF



PLACED ON CONCRETE PAD



PLACED IN ATTIC SPACE



PLACED IN CRAWL SPACE



PLACED IN SOFFIT



CAN BE DUCTED



MIN AMBIENT TEMPERATURE

-20°F**-20°F**

MAX AMBIENT TEMPERATURE

110°F**120°F**

HOUSING REQUIRED OUTDOORS



COMPATIBLE WITH

CEILING MOUNT 2500



CEILING MOUNT 3500/5000



CEILING MOUNT 9000/12000



OMNI 110V H.E.



220V H.E.

**NEED AFTER SALE SUPPORT?
CONTACT OUR TEAM!**



1.209.636.2605



support@cellarcool.com



cellarcool.com/ticket

WARRANTY INFORMATION



A limited 2-year product warranty is provided for all split systems. An additional (1) year grace period for installation is available upon an approved start up checklist.

All warranty claims must be filed directly through CellarCool customer service. We provide warranty repairs at our manufacturing facility in Stockton, CA, or with prior permission from CellarCool to receive service by a licensed HVAC/R technician. In the event a unit is not repairable in the field and is still under warranty, we will cover shipping costs to return the unit (excluding customs fees and duties).

Limited warranty applies only to wine cooling units purchased directly from CellarCool or through an authorized dealer. Damage caused by others or beyond the control of CellarCool shall not be considered defects in material or workmanship and is not covered by the warranty. The limited warranty does not cover any parts or labor to correct any defect caused by negligence, commercial use, accident, maintenance, installation, service/repair, or improper use.

SHIPPING & PICKUP POLICY



All CellarCool products are fulfilled, processed, and shipped directly from our manufacturing facility in Stockton, California. Orders placed through authorized distributors are coordinated through this same facility to ensure consistent quality control and timely delivery.

Typical lead times are two to three business days once an order is received, though they may vary depending on product availability, order volume, and destination.

Expedited shipping and local pickup (by appointment) are available upon request through CellarCool Customer Service or your authorized distributor. Orders approved for pickup will be held for up to five business days at no charge; after that period, standard storage fees may apply.

All shipments should be inspected upon arrival, and any visible damage must be reported immediately to CellarCool Customer Service. Freight claims cannot be filed after thirty days of delivery, so it is recommended that units be inspected before installation if scheduled beyond that window.



1738 E. Alpine Ave
Stockton, CA 95205
Phone: 1.209.636.2605
Email: info@cellarcool.com
cellarcool.com