

# SPLITS SYSTEM

## Direct Expansion

Devices to perfectly fit
all cellar architectures

CONNECTIVITY

# WineSupervisor 3

## Your Cellar, Connected

**Compatible with all Friax Céos and Vintage**
**Accessible from all your devices**
Web - Smartphone - Tablet




### Remote control
Monitor temperature and humidity in real time so you never miss a change in the storage atmosphere of your bottles. Take control remotely and adjust the settings.

### Conservation history
The WineSupervisor 3 allows you to keep a complete history of the cellar atmosphere and the operating periods of Friax air conditioners. Insurance and proof of the good conservation of the bottles.

### Mapping of your facilities
If you are user or installer in charge of site maintenance, find all your cellars on the map and be informed of their operating status directly on your smartphone screen.

### Configurable alarms
Configure and receive real-time alarms to intervene when needed. Keep track of all events in the cellar. Give access to your technician for proper maintenance.

**A la carte subscription formulas** so that **WineSupervisor 3** and its connected interface can increase the functionality of your Friax

### **BASIC** Formula
Free, included for life with WS3*
-Visualization of T and Hr%** values
-Live alarms

### **DEGUSTATION** Formula
1 year free on commissioning then subscription or switch to BASIC***
-Visualization of T and Hr%** values
-Live alarms
-Expert Mode
-Curves of the different functions
-3 years of history
-Remote control
-Connected lighting
-Connected silent mode
-Maintenance access

### **API** Formula
Subscription or automatic switch to BASIC***
-Visualization of T and Hr%** values
-Live alarms
-Expert mode
-Curves of the different functions
-10 years of history
-Remote control
-Connected lighting
-Connected silent mode
-Maintenance access
-Export of values for complete traceability of bottles over time

Also available in a Modbus version for integration into an existing supervision

| *Code* | *Description* |
|---|---|
| KWSP-I | WineSupervisor I Kit - Modbus Version |
| KWSP-III | WineSupervisor 3 Kit - Connected Version |

*Requires the installation of a WineSupervisor 3 box
** For Ceos and Vintage models
***Annual settlement. If you decide not to renew your subscription, the switch to the free BASIC formula is done automatically, you stay connected!

## The Friax splits system consist of:

- A condensing unit with design and dimensions of which may vary depending on the powers and the chosen condensing mode (air or water).
- One or more evaporators adapted to each location geometry.
- An integrated regulation depending on the model selected.
- A wireless remote controler.



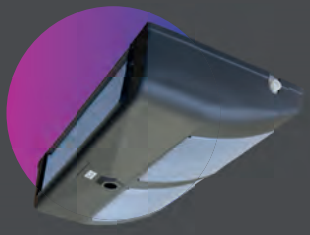
***Condensing units*** ..... p ***42***

Different characteristics depending on the model.



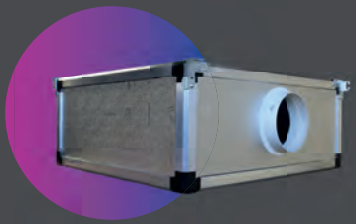
***Wall mounted EVX*** ..... p ***46***

The EVX wall mounted split system fits easily into your cellar decor.



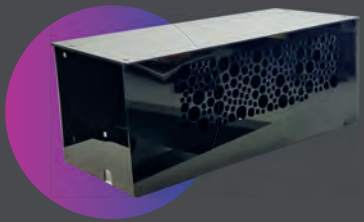
***Ceiling mounted EVPL*** ..... p ***50***

The EVPL ceiling mounted split system covers a wide range of use with 2 finishes and 6 available sizes.



***Ductable EVG/EVI*** ..... p ***54***

The configuration of the EVG / EVI splits system allows them to be completely hidden from view so that only the bottles are visible.



***Cabinet EVA*** ..... p ***58***

The EVA split system let you express your creativity by easily integrating into any custom cabinet you could imagine.

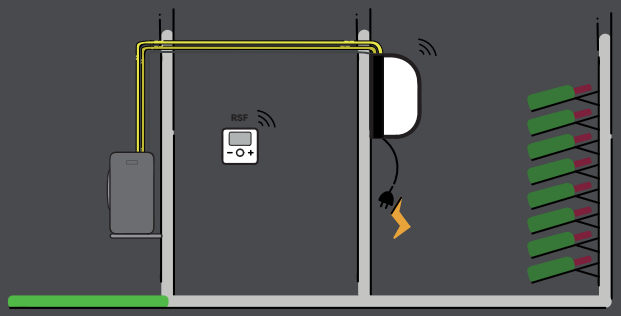
# Condensing Units

The condensing units of the Friax splits system are available in 3 different versions depending on the size and constraints:

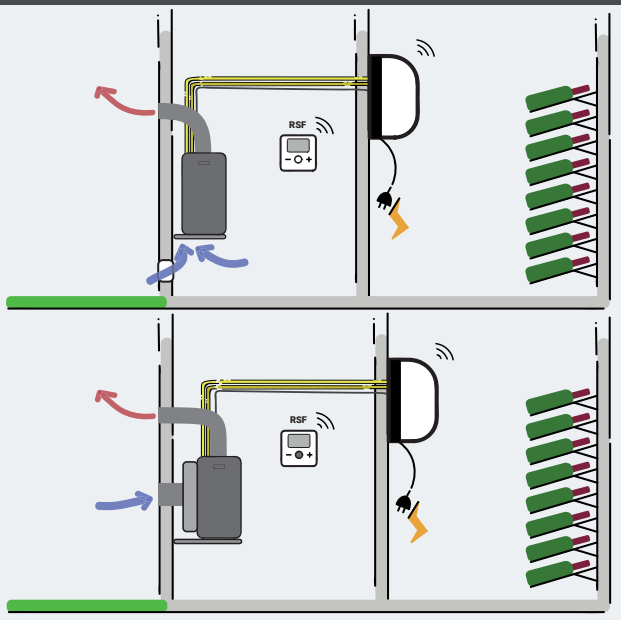
- **GCH** units for air-cooled splits from size 30 to 230
- **GCG** for ducted air condensing splits from size 30 to 230
- **GCW** units for water-cooled splits from size 30 to 230.

## Which condensing unit to use, GCH - GCG or GCW?

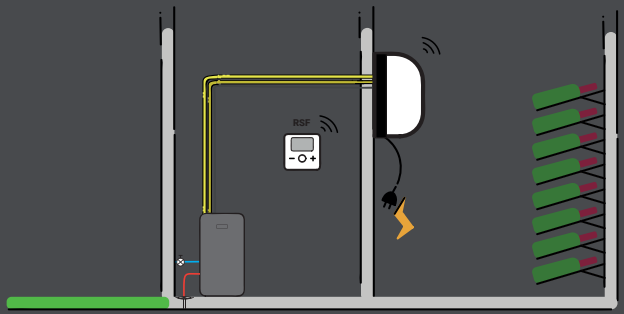
***GCH*** For installations outside buildings.
These are the most commonly used. Splits of sizes 30 to 230 are equipped with these new condensation units.
Their aesthetic and modern design allows for more practical installation and maintenance.



***GCG*** When the air conditioning environment does not allow the unit to be placed outside, it may be advisable to install it inside the building in a technical room away from the cellar. Friax has developed the **GCG** ducted air condensing units to meet this demand.
To avoid renewing the air in the room and to avoid changing its temperature, the use of a **KBPL-GCG** plenum is necessary. It is installed directly at the unit's suction.
Associated with a return duct, the suction is done directly on the outside.



***GCW*** If no solution with a ventilated group is possible, Friax offers its new **GCW** water condensation units.
Installed inside the building in a technical room separate from the cellar, the **GCW** groups can be connected to a chilled water loop, a cooling tower or to lost water on the city water network.



# *GCH air-cooled condensing units for 30 to 230 splits*



The 30 to 230 splits with outdoor air condensation are equipped with the new **GCH** units.
The **GCH** units consist of a painted galvanized sheet metal frame and a body covered with two-tone paint intended for outdoor installation.

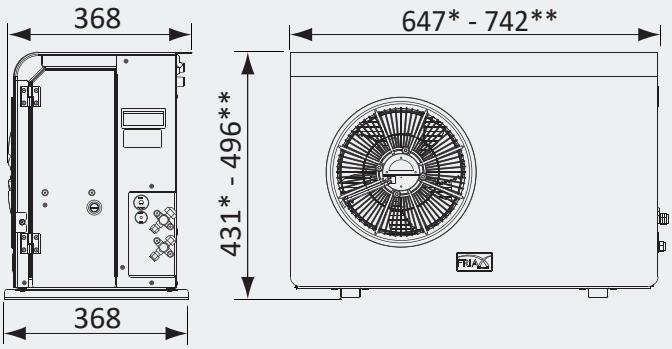
They are equipped with a EC elicoid fan, liquid tank, a liquid line with dehydrator and sight glass. Flare valves are provided for the refrigerant connection.

The safety of the unit is ensured by high and low pressure cartridge pressure switches. The **KPC** condensation temperature control allows the refrigeration system to operate properly in summer and winter.
The compressor receives a regulated **RC** crankcase resistor to ensure its protection when the Friax split is working in heating mode. The electrical connection is made on a sealed electrical box. The condensing units are pre-charged with refrigerant.
Access to the electrical part is made easy thanks to the door located on the side of the unit.
The hinged cover simplifies commissioning and maintenance operations.
The sound insulation of the unit can be reinforced with a **BNS** kit.
(see split accessories).

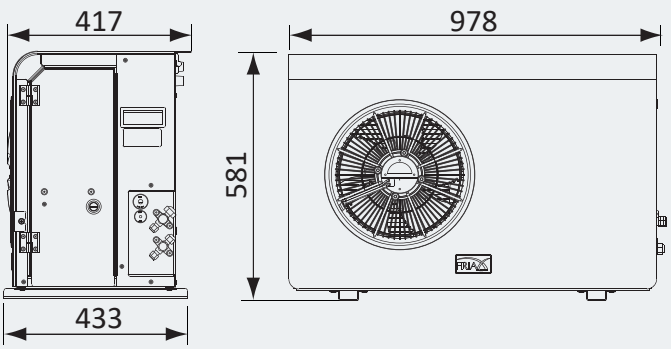




## SPC 30* - 48* - 82** - 122**



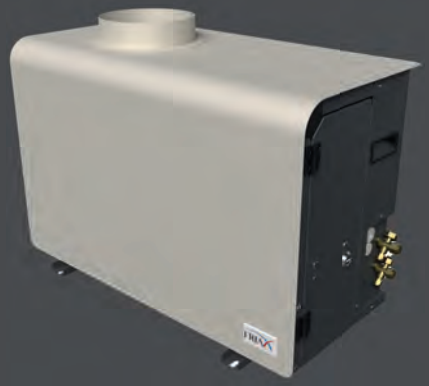

## SPC 170 et 230




## Technical characteristics

| *GCH 30 - 230 units* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
|---|---|---|---|---|---|---|---|
| Cooling capacity Tevap 0°C Text 32°C | W | 780 | 1130 | 1470 | 2370 | 2750 | 3440 |
| Voltage | 50Hz | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Intensity absorbed | A | 3.98 | 4.96 | 6.38 | 5.97 | 6.38 | 7.52 |
| Power absorbed | W | 571 | 724 | 912 | 1194 | 1351 | 1491 |
| Air flow | m3/h | ***1100*** | ***1250*** | ***1400*** | ***1550*** | 1170 | 1460 |
| Sound pressure level at 5m without BNS | dBA | 32 | 40 | 41 | 43 | ***51*** | ***51*** |
| Sound pressure level at 5m with BNS | dBA | 29 | 37 | 38 | 40 | 48 | 48 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |
| Net weight | Kg | 36 | 38 | 54 | 57 | 63 | 63 |
| Body color | | RAL7016 + anodic Grey Natura | | | | | |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A | R513A |
| Pre-loaded for | m | 6 | 6 | 6 | 6 | 6 | 6 |

# *GCG ducted air condensing units for 30 to 230 splits*



The 30 to 230 splits with ducted air condensation are equipped with the **GCG** units.
The **GCG** units consist of a painted galvanized sheet metal frame and a body covered with two-tone paint intended for indoor or outdoor installation.

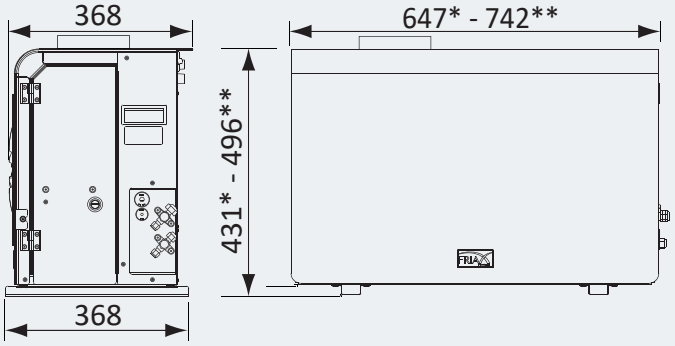
They are equipped with a variable speed EC centrifugal fan (maximum static pressure of 100 Pa), duct connection Ø200 mm, a liquid tank, a liquid line with deshydrator and sight glass. Flare valves are provided for the refrigerant connection.

The safety of the unit is ensured by high and low pressure cartridge pressure switches. The **KPC** condensation pressure regulation allows the refrigeration system to operate properly in summer and winter.
The compressor receives a regulated **RC** crankcase resistor to ensure its protection when the Friax split is working in heating mode. The electrical connection is made on a sealed electrical box. The condensing units are pre-charged as standard with refrigerant for a 6m connection.
A **KBPL-GCG** plenum is available as an accessory when the unit must be connected to a fresh air intake duct.
The sound insulation of the unit can be reinforced with a **BNS** kit.
(see split accessories).

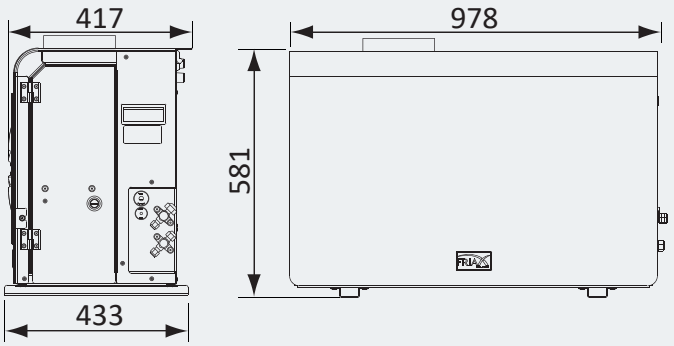


***SPC 122 GCG + KFG-GCG82-122***

## SPC 30* - 48* - 82** - 122**




## SPC 170 et 230




## Technical characteristics

| *GCH 30 - 230 units* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
|---|---|---|---|---|---|---|---|
| Cooling capacity Tevap 0°C Text 32°C | W | 780 | 1130 | 1470 | 2370 | 2750 | 3440 |
| Voltage | 50Hz | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Intensity absorbed | A | 3.98 | 4.96 | 6.38 | 5.97 | 6.38 | 7.52 |
| Power absorbed | W | 596 | 749 | 937 | 1219 | ***1351*** | ***1491*** |
| Air flow | m3/h | ***1100*** | ***1250*** | ***1400*** | ***1550*** | 1170 | 1460 |
| Sound pressure level at 5m without BNS | dBA | 32 | 40 | 41 | 43 | 51 | 51 |
| Sound pressure level at 5m with BNS | dBA | 29 | 37 | 38 | 40 | 48 | 48 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |
| Net weight | Kg | 36 | 38 | 54 | 57 | 63 | 63 |
| Body color | | RAL7016 + anodic Grey Natura | | | | | |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A | R513A |
| Pre-loaded for | m | 6 | 6 | 6 | 6 | 6 | 6 |

# *GCW water-cooled condensing units for 30 to 230 splits*

The 30 to 230 splits with water condensation are equipped with **GCW** units.
**GCW** units consist of a galvanized sheet metal frame and a body coated with two-tone paint.
They are installed under shelter in a frost-free environment.

They are not thermally insulated and therefore cannot be installed in the cellar.
They are equipped with a liquid line with dehydrator and sight glass.
Flare valves are provided for the refrigeration connection.

The safety of the unit is ensured by high and low pressure pressure switches with HBP cartridge. Condensation pressure regulation is ensured by a VEP pressostatic water valve to be adjusted when the unit is commissioned. It ensures the proper functioning of the system in summer and winter and optimizes the consumption of devices connected to city water. GCW units can also be connected to chilled water networks when the sites are equipped with them.

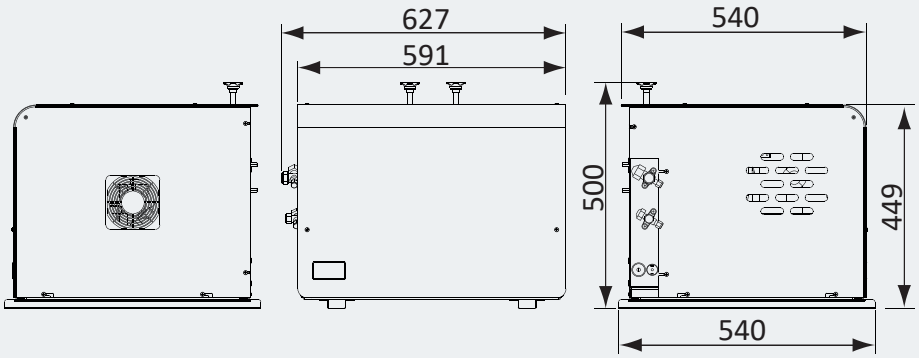


The electrical connection is made on a sealed electrical box. The condensing units are pre-charged with refrigerant fluid for a 6m connection.

The sound insulation of the unit can be reinforced with a BNS kit.
(see split accessories).



## SPC 30 - 48 - 82 - 122 - 170 - 230

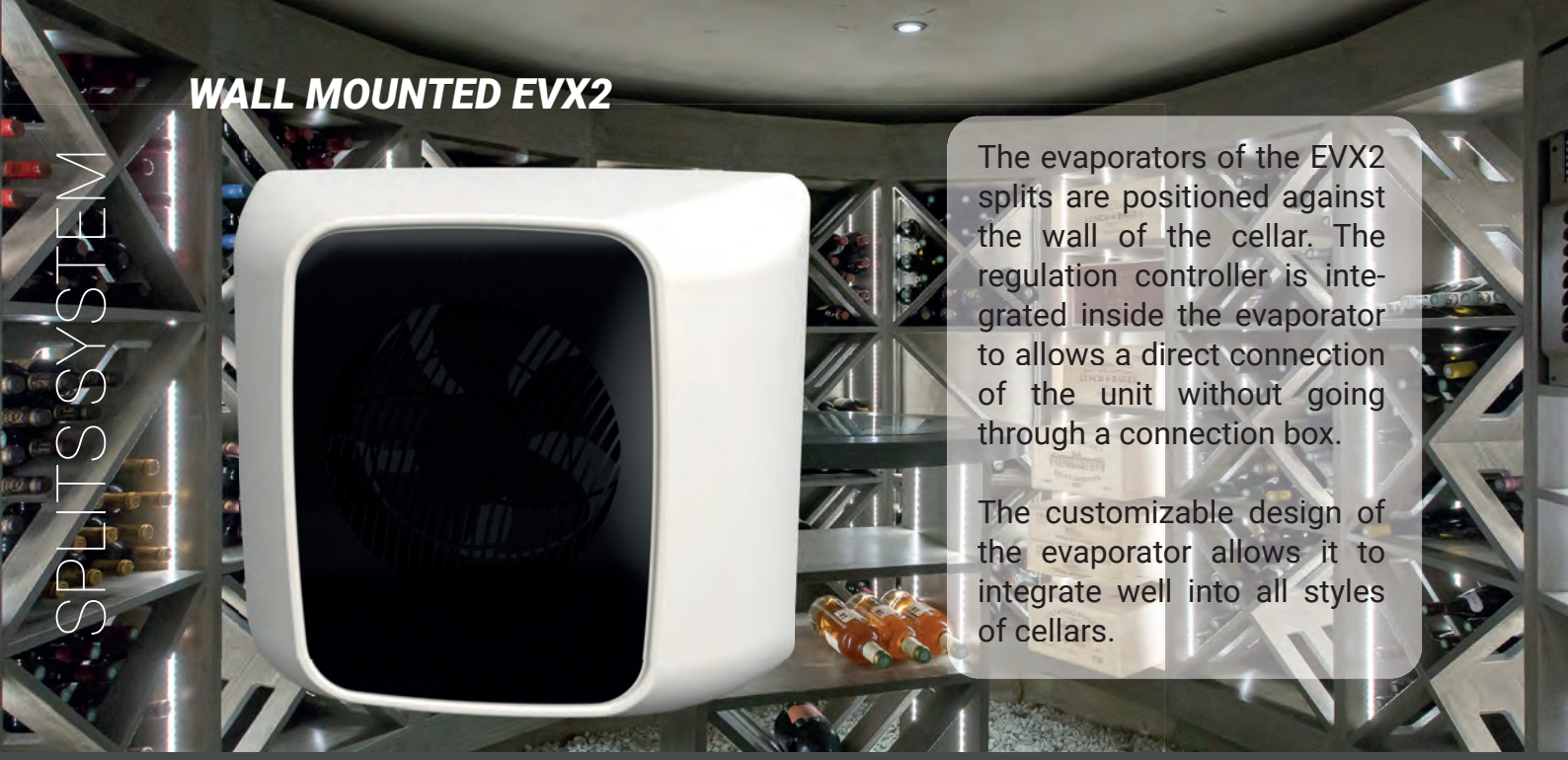



Les groupes à eau doivent être installés dans un local dont la température est supérieure à 0°C.

## Technical characteristics

| *GCW 30 - 230 units* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
|---|---|---|---|---|---|---|---|
| Cooling capacity Tevap 0°C | W | 780 | 1130 | 1470 | 2370 | 2750 | 3440 |
| Voltage | | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Intensity absorbed | A | 2.49 | 3.47 | 4.89 | 4.48 | 4.89 | 6.03 |
| Power absorbed | W | 400 | 533 | 741 | 1023 | 1150 | 1290 |
| Sound pressure level at 5m | db | 37 | 40 | 40 | 40 | 47 | 47 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |
| Water connection | Φ | 2 x 1/2" M | 2 x 1/2" M | 2 x 1/2" M | 2 x 1/2" M | 2 x 1/2" M | 2 x 1/2" M |
| Net weight | Kg | 36 | 38 | 54 | 57 | 60 | 70 |
| Body color | | RAL7016 + anodic Grey Natura | | | | | |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A | R513A |
| Pre-loaded for | m | 6 | 6 | 6 | 6 | 6 | 6 |

# WALL MOUNTED EVX2



The evaporators of the EVX2 splits are positioned against the wall of the cellar. The regulation controller is integrated inside the evaporator to allows a direct connection of the unit without going through a connection box.

The customizable design of the evaporator allows it to integrate well into all styles of cellars.

## *Vintage finish*

The Vintage version integrates, in addition to the cold, the HGR% humidification system and heating to limit the temperature differences between the seasons and best protect the wine. The humidification system makes it possible to raise the humidity without adding heat and does not require demineralised water with a softener. The use of a KLPWSECU kit will facilitate and secure its connection to the water network.

## *Customizable*

The modern and sleek design of this cellar air conditioner can be personalized so that each wine cellar becomes unique. The interchangeable colored front allows endless possibilities. The EVX2 split comes standard with a glossy black front.

## *Remote control RSF2 new generation*

This is the simplest solution to take control of your cellar conditioner. With the wireless radio frequency remote control **RSF2**, no more distance problem, the signal passes through walls. You can control your cellar right up to your kitchen. On Vintage models, it displays temperature and humidity.



## WineSupervisor

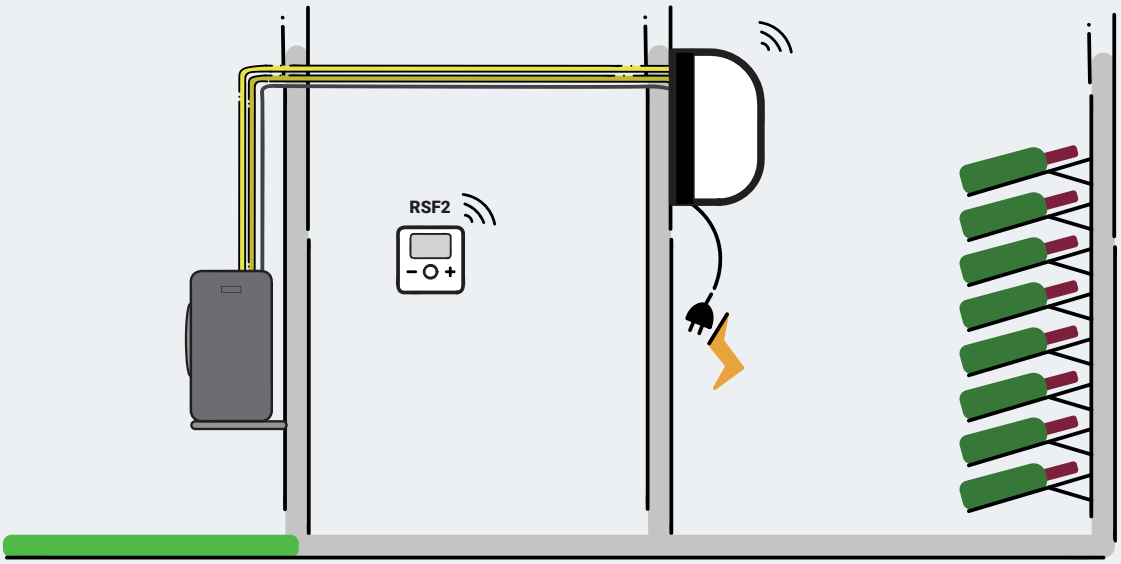
This is the connected solution. Whatever your environment, Friax offers the solution to remain constantly connected to your cellar. Using the **KWSP-I** kit, you connect to the supervision of your home through a Modbus protocol. The **KWSP-III** solution allows you to obtain all the essential information about the cellar for life using a tablet or smartphone.



# *WALL MOUNTED EVX2*

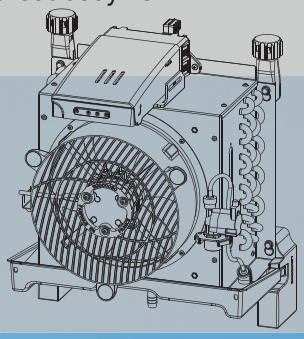
## The wall mounted split solution

**EVX2** evaporators blend discreetly into the cellar decor and in middle of the bottles by simply attaching to the wall.






Also available in **an integrated version** without bodywork



In its integrated version, EVX2 can be installed directly in prefabricated wooden or concrete cellar elements. A personalized front will make it possible to forget it!

*Consult us for your projects*

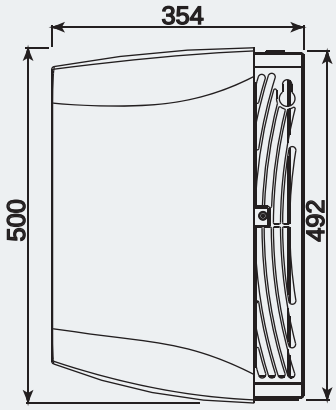
# *WALL MOUNTED EVX2 - Description*

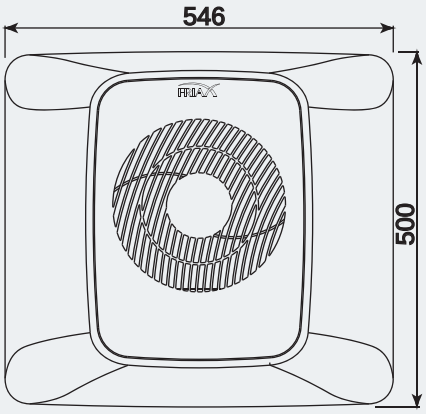
***Vintage Evaporator***

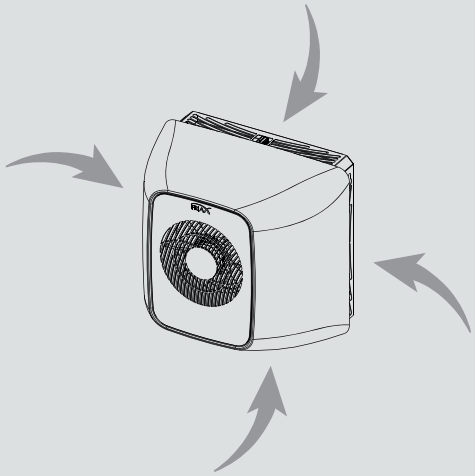
**Cooling – Heating - Humidification**

- Wall mounting in the cellar
- Cellar side white ABS body
- Customizable Front
- Flare refrigeration connection outside
- Thermostatic expansion valve
- **CWR** (Cold water recycling)
- Front panel operation and alarm indicators
- Integrated electrical box
- EC ventilation
- **RSF2** wireless radio remote control
- Display of the temperature and the various functions of the device
- **KCH** integrated heating
- **KHGR%** integrated humidifier
- Evaporator Nitrogen pressurized

## EVX2 evaporator dimensions



The EVX must be installed far enough from obstacles to allow air intake on its periphery.

# WALL MOUNTED EVX2

## Technical characteristics

| *Wall Mounted EVX2 Vintage* | SPC | 30 | 48 |
|---|---|---|---|
| Cooling capacity 12°C / 32°C ext. | W | 780 | 1130 |
| Heating capacity on Vintage | W | 800 | 800 |
| *EVX2 evaporator characteristics* | SPC | 30 | 48 |
| Voltage | 50Hz | 230 V / 1+T | 230 V / 1+T |
| Cooling Intensity absorbed | A max | 0.8 | 0.8 |
| Heaing Intensity absorbed | A max | 4.3 | 4.3 |
| Fan | Quantity | 1 | 1 |
| Air flow | mh/3 | 452 | 452 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" |
| Net weight | kg | 18 | 18 |
| Body color | | Black/White | Black/White |
| Refrigerant | | R513A | R513A |
| *EVX2 Condensing unit characteristics (see p 40)* | SPC | 30 | 48 |
| Air condensing unit | Type | GCH30 | GCH48 |
| Ductable air condensing unit | Type | GCG30 | GCG48 |
| Water condensing unit | Type | GCW30 | GCW48 |
| **Wall mounted split EVX2** \| air condensing unit | *Item code* | ***SPC30_HEVX2_VTX*** | ***SPC48_HEVX2_VTX*** |
| **Wall mounted split EVX2** \| ductable air cdg unit | *Item code* | ***SPC30_GEVX2_VTX*** | ***SPC48_GEVX2_VTX*** |
| **Wall mounted split EVX2** \| Water condensing unit | *Item code* | ***SPC30_WEVX2_VTX*** | ***SPC48_WEVX2_VTX*** |

## Customization

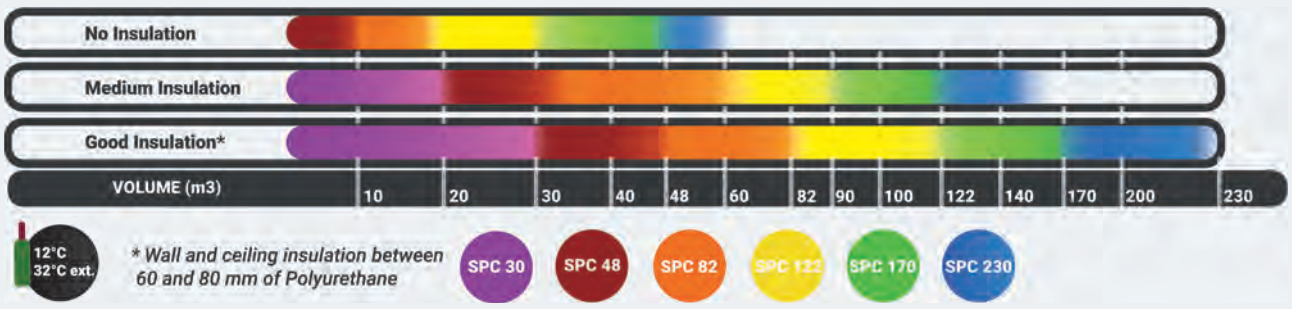
| | *Code* | *Description* | *Compatibility* | *Infos* |
|---|---|---|---|---|
| | KFXJ-CEDRE | Cedar Wood color custom front | X | p65 |
| | KFXJ-ROUGE | Lipstick Red color custom front | X | p65 |
| | KFXJ-BLEU | Intense Blue color custom front | X | p65 |
| | KFXJ-GP | Polar Grey color custom front | X | p65 |
| | KFXJ-GLITTER | Black Glitter color custom front | X | p65 |
| | KFXJ-CUIVRE | Brushed Copper color custom front | X | p65 |
| | KFXJ-ARGENT | Brushed Silver color custom front | X | p65 |
| | KFXJ-OV | Vintage Gold color custom front | X | p65 |
|  | KCXJ-NOIR | Black Night Matt color custom body | X | p65 |

Can't find what you are looking for? Ask us for a color or engraving to your image!

## Accessories

| *Code* | *Description* | *Compatibility* | *Infos* |
|---|---|---|---|
| | | *Vintage* | |
| KLPWSECU-XJ | Secure connection kit for EVX humidifiers | X | p66 |
| KLPR20 | 20m extension kit for humidifier | X | p66 |
| KPR-XJ | Lift pump kit for H20X0 - H20X - EVX0 - EVX - MPC0 - MPCJ | X | p66 |
| KLED-XJ | Plug&play LED kit for H20X - EVX - MPCJ | X | p65 |
| BNS-30-48-GCH | Low Sound Level Kit for condensing unit GCH GCG 30 to 48 | X | p66 |
| BNS-30-230-GCW | Low Sound Kit Water condensing units GCW 30 to 230 | X | p66 |
| KWSP-I | WineSupervisor I Kit - Modbus version | X | p65 |
| KWSP-III | WineSupervisor III Kit - Connected version | X | p65 |
| KNET125 | Odorless fungicide bactericide cleaning spray 125 ml cellar air conditioning | X | p66 |
| KS2M | Wall Mounting Kit for MPCG, Chill'Loop, Cd Unit GCH GCG GCW | X | p67 |

## Quick selection




**WARNING**
*The selections are only indicative and cannot replace a thermal balance that will consider all the parameters related to the cellar.*

# CEILING MOUNTED EVPL



The evaporators of the EVPL splits are positioned horizontally on the ceiling to blow on the whole length of the cellar. This position has the advantage of maximizing the space for bottles on the walls.

The design and dark color facilitate the integration into any cellar configuration.

When necessary the **KPM** kits allow the EVPL 82 to 122 to be installed vertically on a wall.

## *Vintage Finish*

This is the all-inclusive solution. On the EVPL range it insures the air conditioning, heating and humidification of the cellar. Optimized for cellars that are too dry, these models are equipped with the HGR% system. It allows humidity to be raised without adding heat and does not require demineralized water or softeners.
The use of a KLPWSECU kit will facilitate and secure the connection to water.

## *Remote control RSF2 new generation*

This is the simplest solution to take control of your cellar conditioner. With the wireless radio frequency remote control **RSF2**, no more distance problem, the signal passes through walls. You can control your cellar right up to your kitchen. On Vintage models, it displays temperature and humidity.



## WineSupervisor

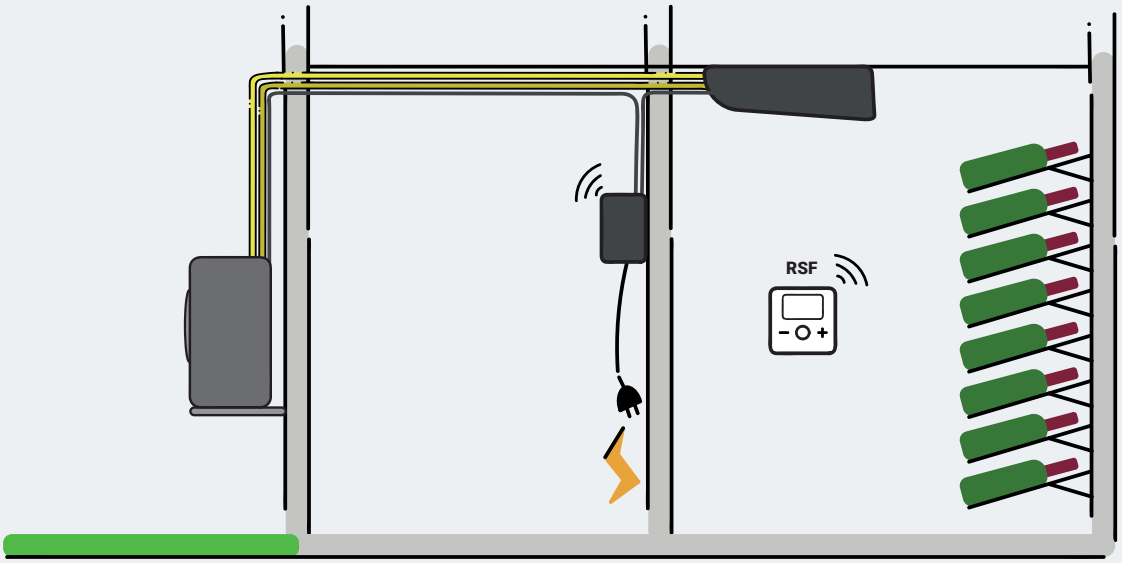
This is the connected solution. Whatever your environment, Friax offers the solution to remain constantly connected to your cellar. Using the KWSP-I kit, you connect to the supervision of your home through a Modbus protocol. The KWSP-III solution allows you to obtain all the essential information about the cellar for life using a tablet or smartphone.



# *CEILING MOUNTED EVPL*

## The ceiling mounted split solution

EVPL evaporators are easily integrated into the ceiling of any cellar. The wide power range of the devices makes it possible to air-condition large volumes without ever compromising user comfort.








# CEILING MOUNTED EVPL - Description

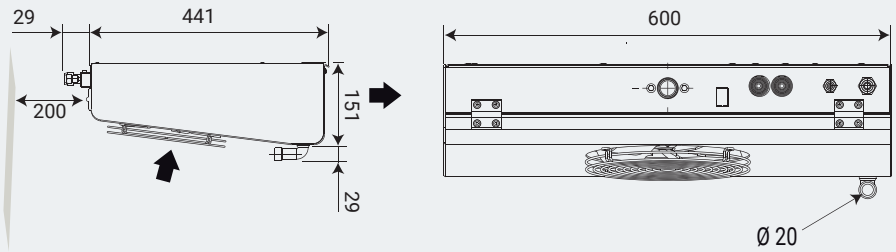
## *Vintage Evaporator*

**Cooling – Heating - Humidification**

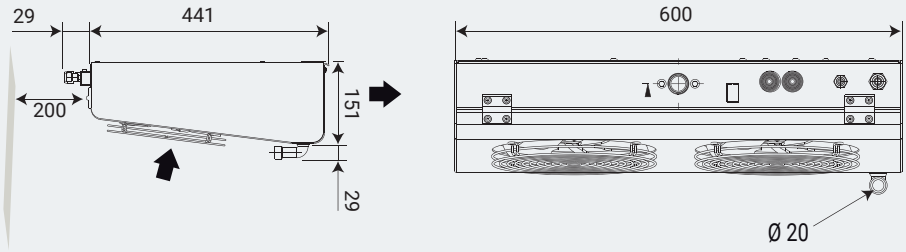
- Ceiling installation in the cellar
- Glossy aluminum body for models 30 and 48 and recyclable ABS for models 82 to 230
- Flare refrigeration connection
- Thermostatic expansion valve
- **CWR** (Cold water recycling)
- ABS connection box
- **RSF2** wireless radio remote control
- Display of temperature, humidity and various functions of the device
- **PDO** Pump Down solenoid valve on models 170 and 230
- **KCH** integrated heating
- **KHGR%** integrated humidifier
- Evaporator Nitrogen pressurized

## EVPL evaporator dimensions

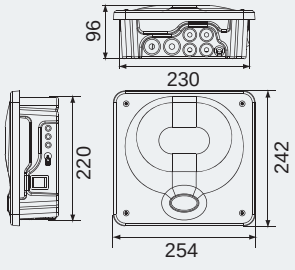
**SPC 30**



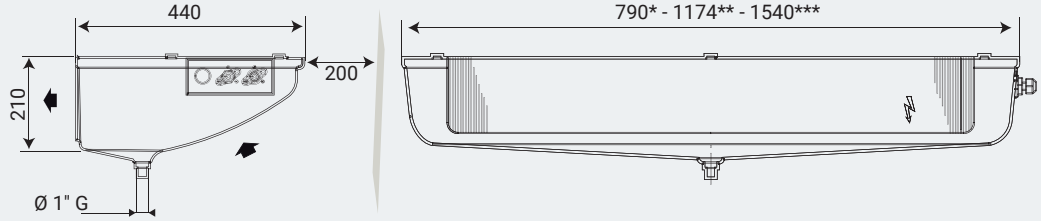

**SPC 48**




## Connection box




**SPC 82* - 122* - 170** - 230*****



# CEILING MOUNTED EVPL

## Technical characteristics

| *Ceiling Mounted EVPL Vintage* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
|---|---|---|---|---|---|---|---|
| Cooling capacity 12°C / 32°C ext. | W | 780 | 1130 | 1470 | 2370 | 2750 | 3440 |
| Heating capacity on Vintage | W | 850 | 850 | 850 | 1000 | 1600 | 2000 |
| *EVPL evaporator characteristics* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
| Voltage | 50Hz | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Cooling Intensity absorbed | A max | 0.3 | 0.6 | 0.6 | 0.6 | 1 | 1.2 |
| Heaing Intensity absorbed | A max | 3.9 | 4.1 | 4.3 | 5 | 8 | 10 |
| Ventilator | Amount | 1 x 200 | 2 x 200 | 2 x 200 | 2 x 200 | 3 x 200 | 4 x 200 |
| Air flow | m3/h | 280 | 590 | 650 | 580 | 870 | 1160 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |
| Net weight | Kg | 11.5 | 13 | 12.5 | 13.5 | 18 | 23 |
| Body color | | Anthracite | Anthracite | Anthracite | Anthracite | Anthracite | Anthracite |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A | R513A |
| *EVPL Condensing unit characteristics (see p 40)* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
| Air condensing unit | Type | GCH30 | GCH48 | GCH82 | GCH122 | GCH170 | GCH230 |
| Ductable air condensing unit | Type | GCG30 | GCG48 | GCG82 | GCH122 | GCG170 | GCG230 |
| Water condensing unit | Type | GCW30 | GCW48 | GCW82 | GCW122 | GCW170 | GCW230 |

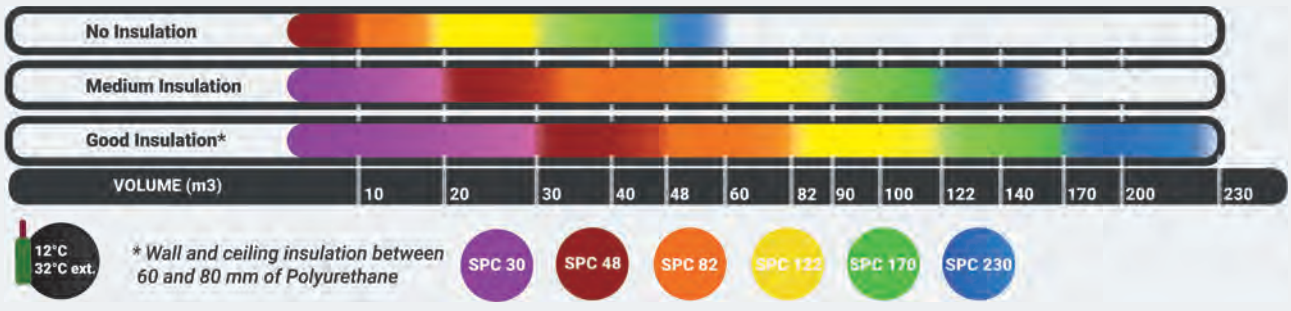
**Ceiling mounted Splits Systhem EVPL**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EVPL split** \| air condensing unit | *item code* | ***SPC30_HEVPL_VTX*** | ***SPC48_HEVPL_VTX*** | ***SPC82_HEVPL_VTX*** | ***SPC122_HEVPL_VTX*** | ***SPC170_HEVPL_VTX*** | ***SPC230_HEVPL_VTX*** |
| **EVPL split** \| ductable air condensing unit | *item code* | ***SPC30_GEVPL_VTX*** | ***SPC48_GEVPL_VTX*** | ***SPC82_GEVPL_VTX*** | ***SPC122_GEVPL_VTX*** | ***SPC170_GEVPL_VTX*** | ***SPC230_GEVPL_VTX*** |
| **EVPL split** \| water condensing unit | *item code* | ***SPC30_WEVPL_VTX*** | ***SPC48_WEVPL_VTX*** | ***SPC82_WEVPL_VTX*** | ***SPC122_WEVPL_VTX*** | ***SPC170_WEVPL_VTX*** | ***SPC230_WEVPL_VTX*** |

## *Accessories*

| *Code* | *Description* | *Compatibility* | *Infos* |
|---|---|---|---|
| | | *Vintage* | |
| KLPWSECU | Secure connection kit for humidifier | X | p66 |
| KLPR20 | 20m extension kit for humidifier | X | p66 |
| KPR | Lift pump | X | p66 |
| KPM82-122 | Wall mounting kit for 82 to 122 evaporators | X | p67 |
| BNS-30-48-GCH | Low Sound Level Kit for condensing unit GCH GCG 30 to 48 | X | p66 |
| BNS-82-122-GCH | Low Sound Level Kit for condensing unit GCH GCG 82 to 122 | X | p66 |
| BNS-170-230-GCH | Low Sound Level Kit for condensing unit GCH GCG 170 to 230 | X | p66 |
| BNS-30-230-GCW | Low Sound Kit water condensing units GCW 30 to 230 | X | p66 |
| KWSP-I | WineSupervisor I Kit - Modbus version | X | p65 |
| KWSP-III | WineSupervisor III Kit - Connected version | X | p65 |
| KNET125 | Odorless fungicide bactericide cleaning spray 125 ml cellar air conditioning | X | p66 |
| KS2M | Wall Mounting Kit for MPCG, Chill'Loop, Cd Unit GCH GCG GCW | X | p67 |

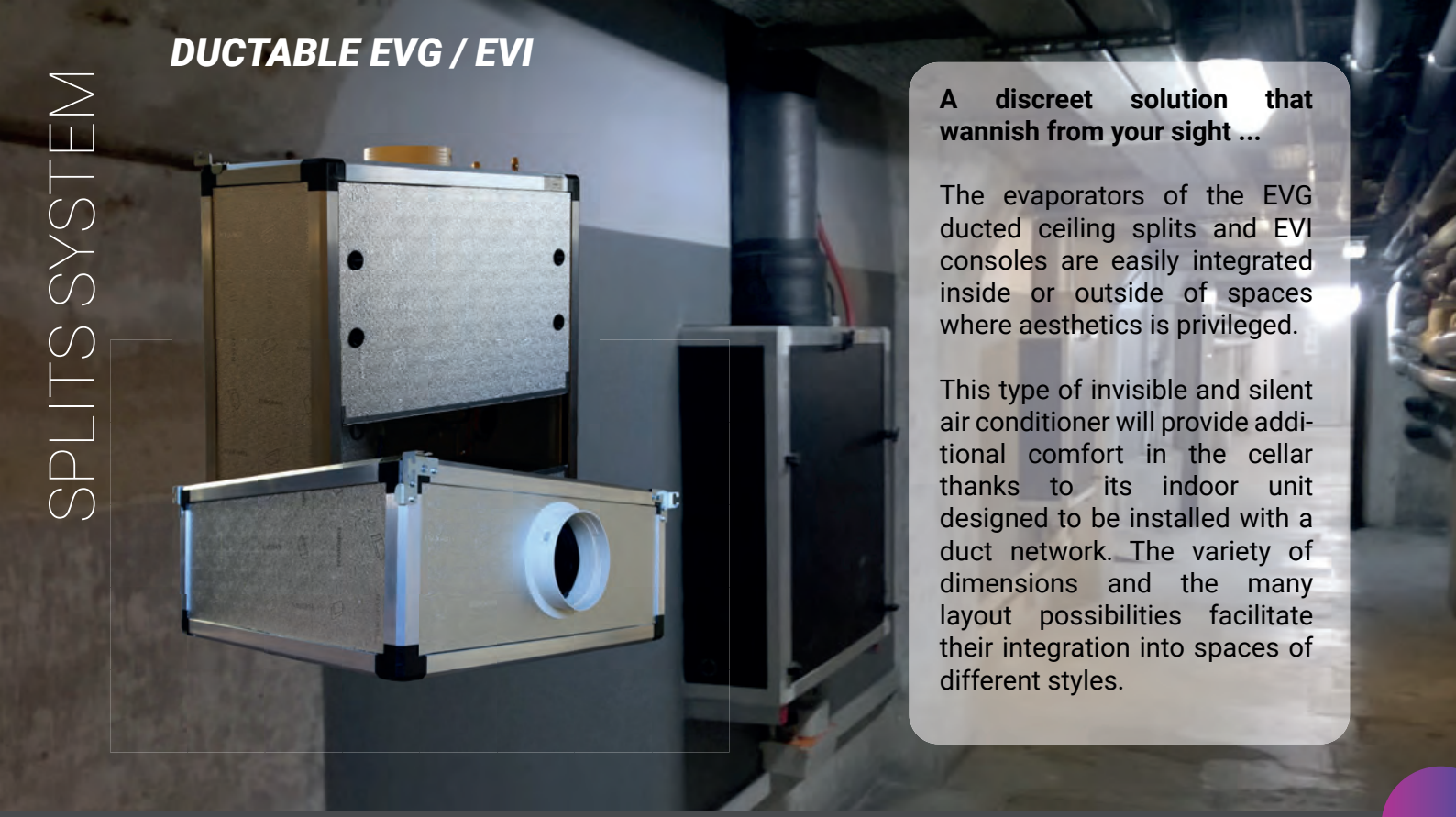
## Quick selection




**WARNING**

*The selections are only indicative and cannot replace a thermal balance that will consider all the parameters related to the cellar.*

# DUCTABLE EVG / EVI



**A discreet solution that wannish from your sight ...**

The evaporators of the EVG ducted ceiling splits and EVI consoles are easily integrated inside or outside of spaces where aesthetics is privileged.

This type of invisible and silent air conditioner will provide additional comfort in the cellar thanks to its indoor unit designed to be installed with a duct network. The variety of dimensions and the many layout possibilities facilitate their integration into spaces of different styles.

## *Vintage Finish*

This is the all-inclusive solution. On the **EVG** and **EVI** it insures the air conditioning, heating and humidification of the cellar. Optimized for cellars that are too dry, these models are equipped with the **HGR%** system. It allows humidity to be raised without adding heat and does not require demineralized water or softeners.
The use of a **KLPWSECU** kit will facilitate and secure the connection to water.

## *Remote control RSF2 new generation*

This is the simplest solution to take control of your cellar conditioner. With the wireless radio frequency remote control **RSF2**, no more distance problem, the signal passes through walls. You can control your cellar right up to your kitchen. On Vintage models, it displays temperature and humidity.



## WineSupervisor

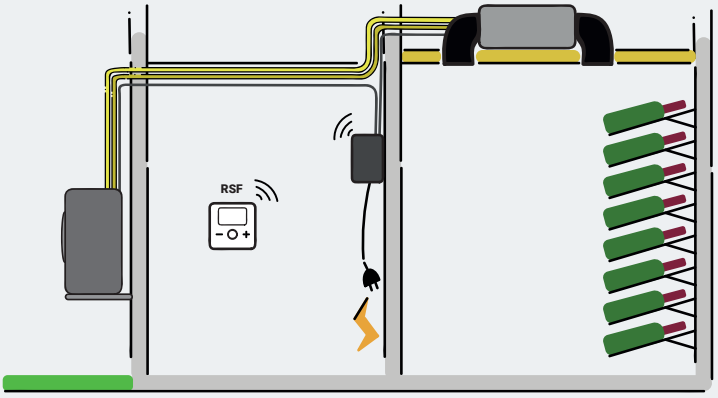
This is the connected solution. Whatever your environment, Friax offers the solution to remain constantly connected to your cellar. Using the KWSP-I kit, you connect to the supervision of your home through a Modbus protocol. The KWSP-III solution allows you to obtain all the essential information about the cellar for life using a tablet or smartphone.



# *DUCTABLE EVG / EVI - Installation possibilities*

Dress the EVG and EVI evaporators and they blend into the cellar environment: they are invisible and silent! The wide power range of the range allows you to air-condition large volumes without ever compromising user comfort.

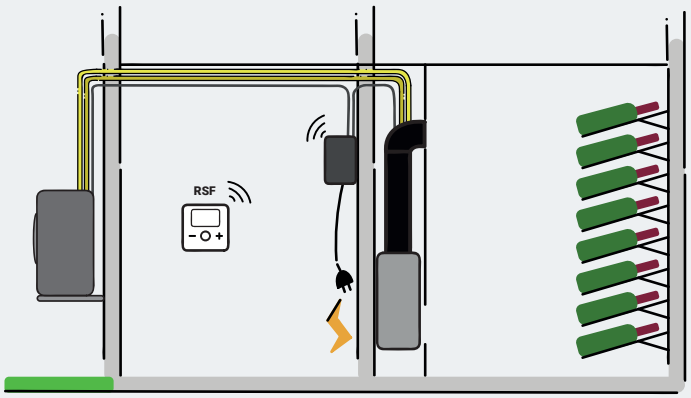
## Horizontal ductable evaporateur EVG





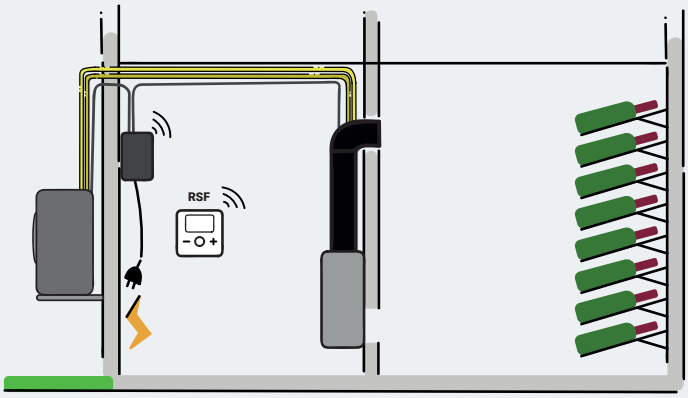



## Vertical ductable evaporateur EVI - IN version*




*The EVI are supplied as standard in the IN configuration. Simply swap the removable panels to put them in the OUT configuration. Download the assembly instructions in the Pro area of the friax.fr website.

## Vertical ductable evaporateur EVI - OUT version*






# DUCTABLE EVG / EVI - Description

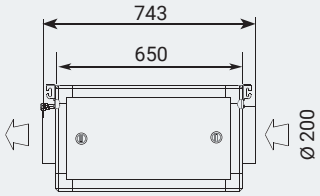
## *Vintage Evaporator*

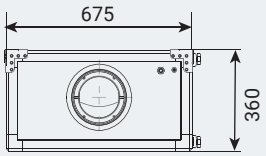
**Cooling – Heating – Humidification**

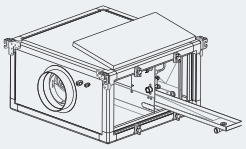
- Aluminum frame with thermal break
- Aluminized polyurethane panels
- EVI supplied as standard in In version (Out version by reversing the panels)
- Thermostatic expansion valve
- CWR (Cold water recycling)
- Variable speed ventilation
- RSF2 wireless radio remote control
- Display of temperature, humidity and various functions of the device
- KCH integrated heating
- KHGR% integrated humidifier
- Evaporator Nitrogen pressurized

## **EVG** | Evaporator dimensions

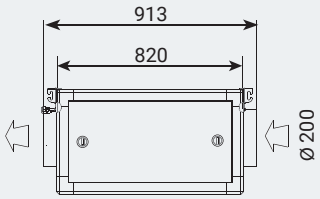
### SPC 30 - 48

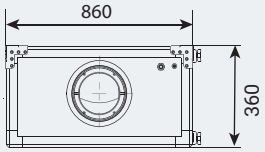


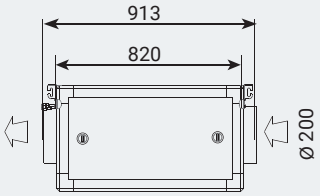



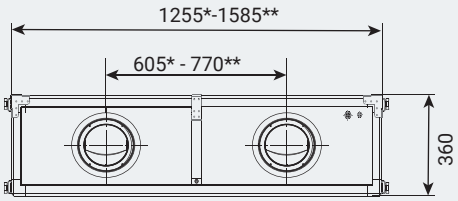
### SPC 82 - 122



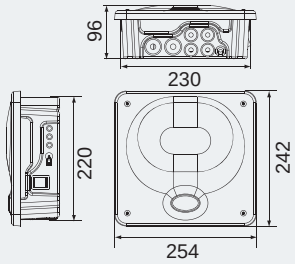




### SPC 170* - 230**



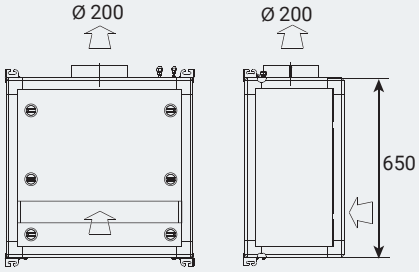



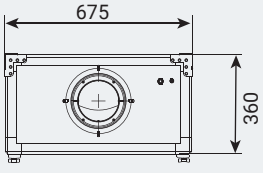

### Connection box



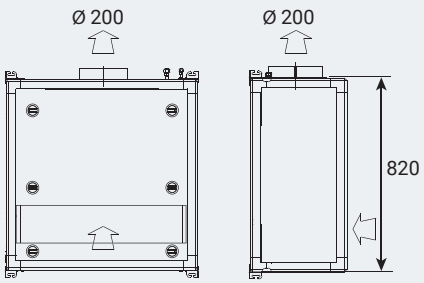

## **EVI** | Evaporator dimensions

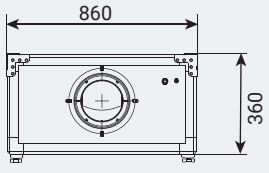
### SPC 30 - 48



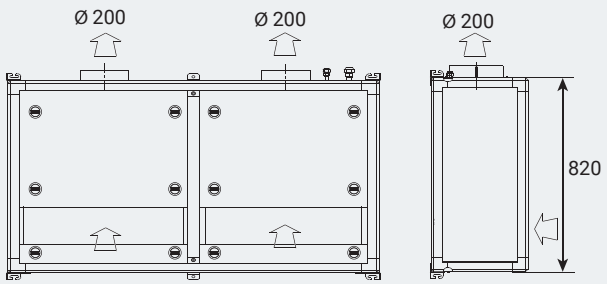



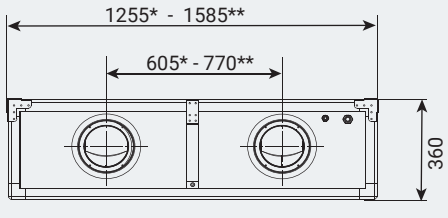

### SPC 82 - 122




### SPC 170* - 230**



# DUCTABLE EVG / EVI

## Technical characteristics

| *Ductable EVG/EVI Vintage* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
|---|---|---|---|---|---|---|---|
| Cooling capacity 12°C / 32°C ext. | W | 780 | 1130 | 1470 | 2370 | 2750 | 3440 |
| Heating capacity on Vintage | W | 800 | 800 | 850 | 1000 | 1600 | 2000 |
| *EVG/EVI evaporator characteristics* | SPC | 30 | 48 | 82 | 122 | 170 | 230 |
| Tension | 50Hz | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Cooling Intensity absorbed | A max | 1.4 | 1.4 | 1.4 | 1.4 | 2.9 | 2.9 |
| Intensité absorbée chaud | A max | 4.9 | 4.9 | 5.1 | 5.8 | 10 | 11.7 |
| Fan | Amount | 1 | 1 | 1 | 1 | 2 | 2 |
| Air Flow | m3/h | 310 | 490 | 560 | 580 | 1075 | 1100 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 1/2" | 5/8" | 5/8" |
| Liquid gas connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 1/4" | 3/8" | 3/8" |
| Net weight | Kg | 26 | 26 | 32 | 36 | 48 | 56 |
| Body color | | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A | R513A |
| Max available static pressure | Pa | 100 | 100 | 100 | 100 | 100 | 100 |
| *EVG/EVI Condensing unit characteristics (see p 40)* | | 30 | 48 | 82 | 122 | 170 | 230 |
| Air condensing unit | Type | GCH30 | GCH48 | GCH82 | GCH122 | GCH170 | GCH230 |
| Ductable air condensing unit | Type | GCG30 | GCG48 | GCG82 | GCH122 | GCG170 | GCG230 |
| Water condensing unit | Type | GCW30 | GCW48 | GCW82 | GCW122 | GCW170 | GCW230 |

**Horizontal ductable evaporator splits system EVG Vintage**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EVG split** \| air condensing unit | *item code* | ***SPC30_HEVG_VTX*** | ***SPC48_HEVG_VTX*** | ***SPC82_HEVG_VTX*** | ***SPC122_HEVG_VTX*** | ***SPC170_HEVG_VTX*** | ***SPC230_HEVG_VTX*** |
| **EVG split** \| ductable air condensing unit | *item code* | ***SPC30_GEVG_VTX*** | ***SPC48_GEVG_VTX*** | ***SPC82_GEVG_VTX*** | ***SPC122_GEVG_VTX*** | ***SPC170_GEVG_VTX*** | ***SPC230_GEVG_VTX*** |
| **EVG split** \| water condensing unit | *item code* | ***SPC30_WEVG_VTX*** | ***SPC48_WEVG_VTX*** | ***SPC82_WEVG_VTX*** | ***SPC122_WEVG_VTX*** | ***SPC170_WEVG_VTX*** | ***SPC230_WEVG_VTX*** |

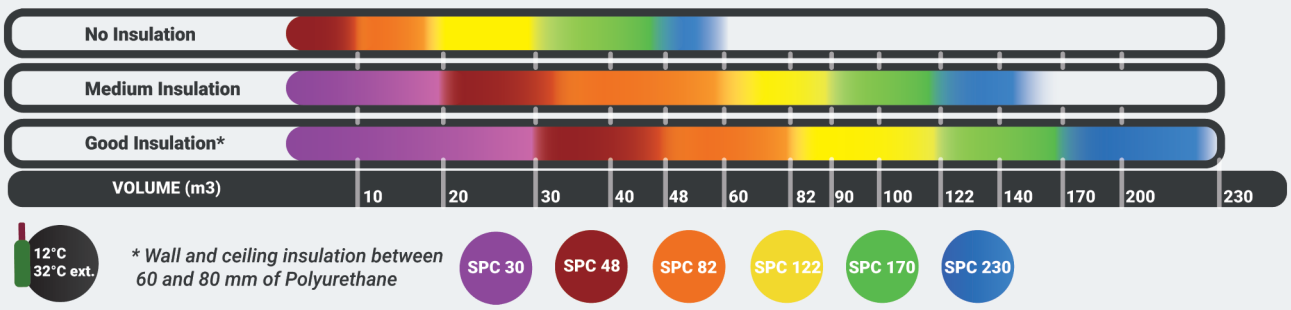
**Vertical ductable evaporator splits system EVI**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **EVI split** \| air condensing unit | *item code* | ***SPC30_HEVI_VTX*** | ***SPC48_HEVI_VTX*** | ***SPC82_HEVI_VTX*** | ***SPC122_HEVI_VTX*** | ***SPC170_HEVI_VTX*** | ***SPC230_HEVI_VTX*** |
| **EVI split** \| ductable air condensing unit | *item code* | ***SPC30_GEVI_VTX*** | ***SPC48_GEVI_VTX*** | ***SPC82_GEVI_VTX*** | ***SPC122_GEVI_VTX*** | ***SPC170_GEVI_VTX*** | ***SPC230_GEVI_VTX*** |
| **EVI split** \| water condensing unit | *item code* | ***SPC30_WEVI_VTX*** | ***SPC48_WEVI_VTX*** | ***SPC82_WEVI_VTX*** | ***SPC122_WEVI_VTX*** | ***SPC170_WEVI_VTX*** | ***SPC230_WEVI_VTX*** |

## Accessories

| *Code* | *Description* | *Compatibility* | *Infos* |
|---|---|---|---|
| | | *Vintage* | |
| KLPWSECU | Secure connection kit for humidifier | X | p66 |
| KLPR20 | 20m extension kit for humidifier | X | p66 |
| KPR | Lift pump | X | p66 |
| BNS-30-48-GCH | Low Sound Level Kit for condensing unit GCH GCG 30 to 48 | X | p67 |
| BNS-82-122-GCH | Low Sound Level Kit for condensing unit GCH GCG 82 to 122 | X | p66 |
| BNS-170-230-GCH | Low Sound Level Kit for condensing unit GCH GCG 170 to 230 | X | p66 |
| BNS-30-230-GCW | Low Sound Kit water condensing units GCW 30 to 230 | X | p66 |
| KWSP-I | WineSupervisor I Kit - Modbus version | X | p66 |
| KWSP-III | WineSupervisor III Kit - Connected version | X | p65 |
| KNET125 | Odorless fungicide bactericide cleaning spray 125 ml cellar air conditioning | X | p65 |
| KS2M | Wall Mounting Kit for MPCG, Chill'Loop, Cd Unit GCH GCG GCW | X | p66 |
| | Ducting accessories for EVG and EVI | X | p67 - p68 |

## Quick selection




**WARNING**

*The selections are only indicative and cannot replace a thermal balance that will consider all the parameters related to the cellar.*

# CABINET EVA2



The evaporators of the EVA2 splits have been specially developed to equip your custom cabinets. These devices respond to the current trend, in catering and in the home, of presenting wine bottles on large wall surfaces without significantly encroaching on the exhibition room. This way, wine lovers can make the most of their collection.

EVA evaporators blend into the atmosphere of your living rooms! Friax splits system are based on the most modern technologies to allow for silence and energy efficiency. Once installed in the cellar, you will forget it ...

## *Céos Finish*

It is the most complete solution on **EVA2**. It performs the air conditioning and humidification functions of the cellar. Optimized for cellars and cabinets that are too dry, these models are equipped with the **HGR%** system. It allows humidity to rise without adding heat and does not require demineralised water or a softener.
The use of a **KLPWSECU** kit will facilitate and secure the connection on the water.

## *Remote control RSF2 new generation*

This is the simplest solution to take control of your cellar conditioner. With the wireless radio frequency remote control **RSF2**, no more distance problem, the signal passes through walls. You can control your cellar right up to your kitchen. On Céos models, it displays temperature and humidity.



## WineSupervisor

This is the connected solution. Whatever your environment, Friax offers the solution to remain constantly connected to your cellar. Using the KWSP-I kit, you connect to the supervision of your home through a Modbus protocol. The KWSP-III solution allows you to obtain all the essential information about the cellar for life using a tablet or smartphone.



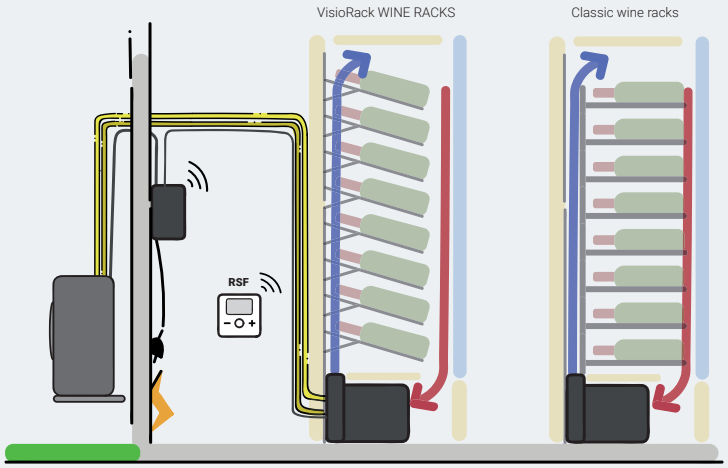
# *CABINET EVA2*

These devices have been developed to fit better into the smallest spaces.

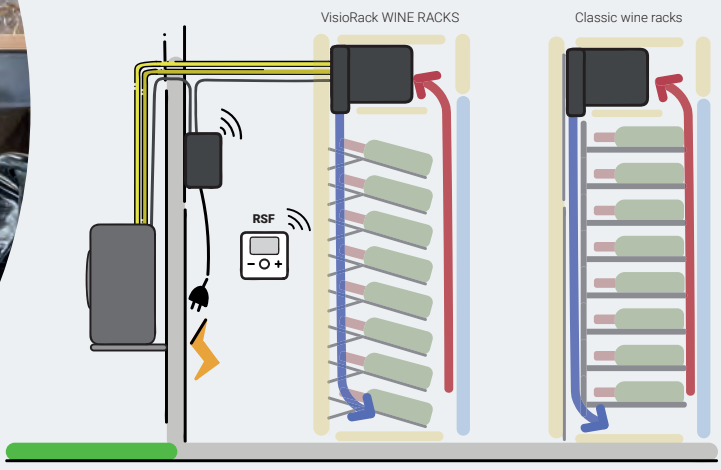
Be creative, EVA2 will fit into all your cupboard, showcase and small cellar projects.The very compact EVA2 evaporator is designed to equip furniture from a depth of **350** mm. EC ventilation makes it possible to adjust the flow to the pressure drop of the cabinet in which it is installed and this directly with the remote control. The retractable diffuser turns 180° depending on whether the appliance is positioned on the baseboard or on the cornice in the wine cabinet. Very narrow, it allows blowing in a double bottom in a cabinet. The condensate tray is mounted on slides to facilitate cleaning during maintenance operations.
Bodywork in glossy black polycarbonate standard, EVA2 can, on request, be dressed in a multitude of colors and materials. Do not hesitate to consult us.

## Installation possibilities





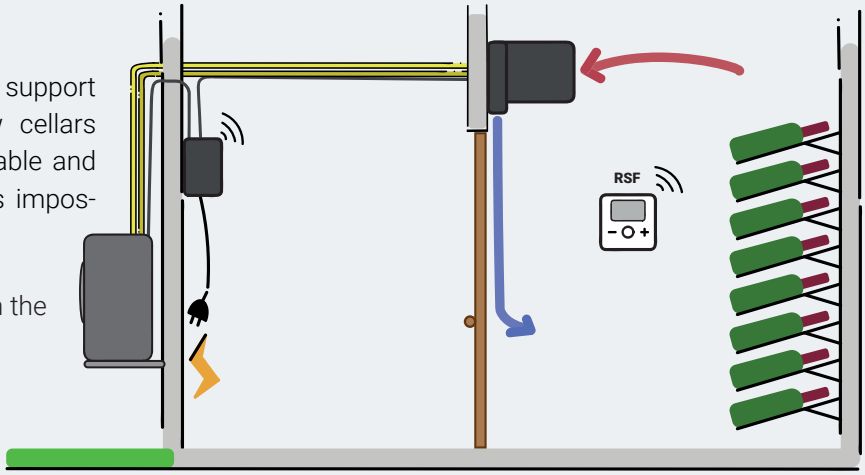

Air blowing Up




Air blowing Down

EVA2 associated with its invisible wall support KPM-EVA2 solves the problem of narrow cellars where a front air supply can be uncomfortable and where the installation of a ducted device is impossible.

Provide for the installation of a cover panel in the lower part in the case of wall mounting.
*(e.g. KPM-EVA-HINOIR for the standard black bodywork)*




Wine Cellar, air blowing Down

# CABINET EVA2 - Description

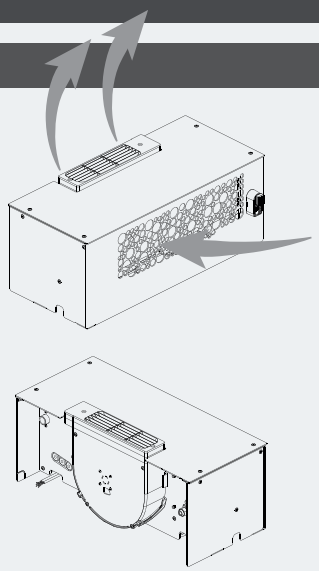
## *Céos Evaporator*

**Cooling - Humidification**

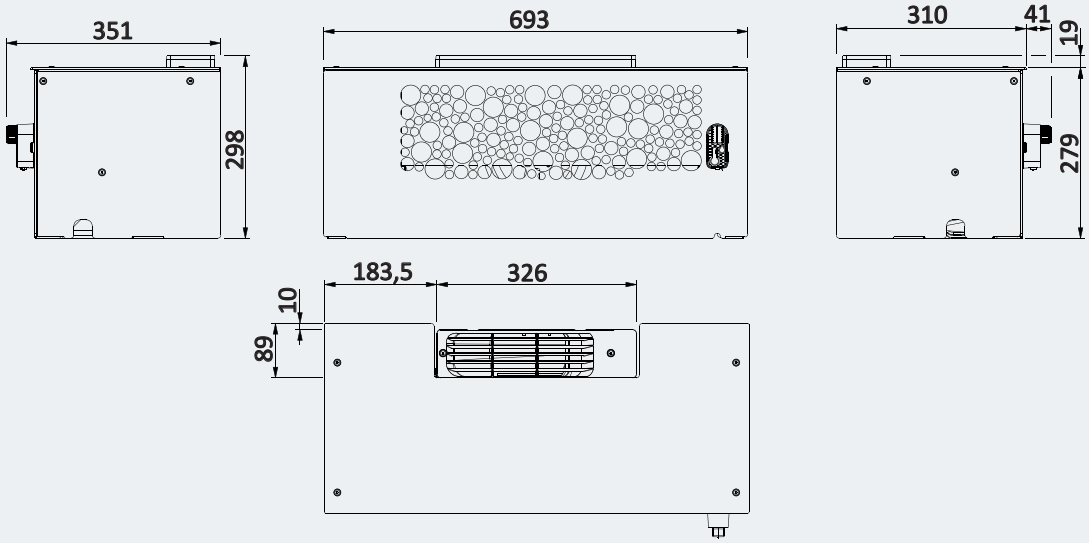
- PMMA bodywork
- Flare refrigeration connection outside
- Removable condensate tray
- Stainless steel thermostatic expansion valve
- **CWR** (Cold water recycling) stabilization of humidity
- Variable speed EC ventilation
- **RSF2** wireless radio remote control
- Display of temperature, humidity and various functions of the device
- Diffuser adjustable up or down (Standard configuration: up)
- **KHGR%** integrated humidifier
- Evaporator Nitrogen pressurized

## Dimensions of EVA2 evaporators

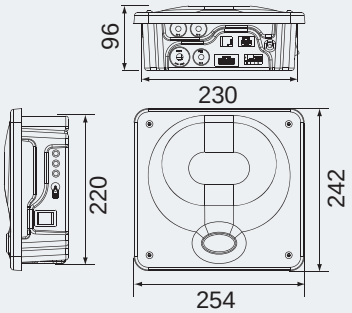
### SPC 30 - 48 - 82 - 122*- 170*



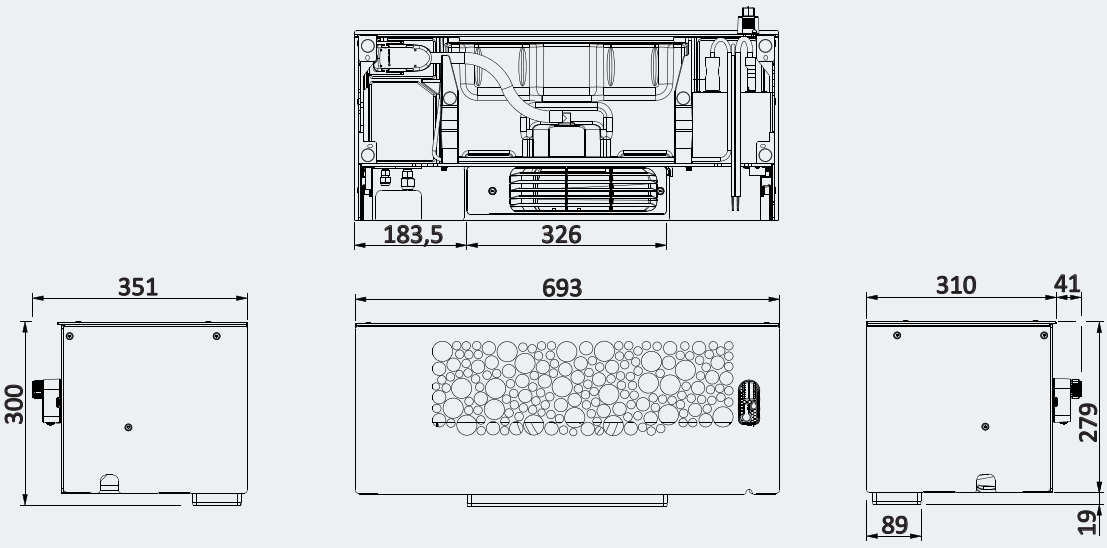
Configuration air blowing up

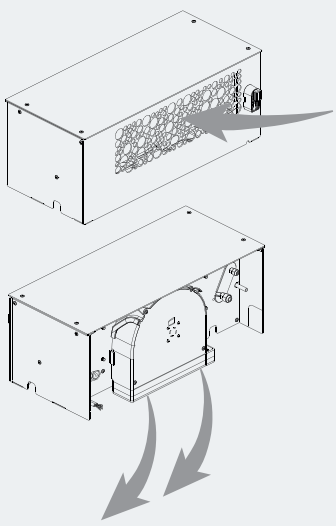



## Boitier de raccordement




Configuration air blowing down





*2 evaporators

# CABINET EVA2

## Technical characteristics

| *Cabinet EVA Céos* | SPC | 30 | 48 | 82 | 122 | 170 |
|---|---|---|---|---|---|---|
| Cooling capacity 12°C / 32°C ext. | W | 780 | 1130 | 1470 | 2370 | 2750 |
| Heating capacity | W | - | - | - | - | - |
| *EVA evaporator characteristics* | SPC | 30 | 48 | 82 | 122 | 170 |
| Voltage | 50Hz | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T | 230 V/1+T |
| Intensity absorbed | A max | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 |
| Evaporator | Nombre | 1 | 1 | 1 | 2 | 2 |
| Air flow / Evaporator | m3/h | 310 | 490 | 560 | 2 x 490 | 2 x 560 |
| Suction gas connection (Flare) | Φ | 3/8" | 3/8" | 3/8" | 2 x 3/8" | 2 x 3/8" |
| Liquid connection (Flare) | Φ | 1/4" | 1/4" | 1/4" | 2 x 1/4" | *2 x 1/4" + EVPD 3/8" |
| Net weight | Kg | 9 | 9 | 10 | 2 x 9 | 2 x 10 |
| Body color | | Shiny black | Shiny black | Shiny black | Shiny black | Shiny black |
| Refrigerant | | R513A | R513A | R513A | R513A | R513A |
| *Condensing unit EVA2 (see p40)* | SPC | 30 | 48 | 82 | 122 | 170 |
| Air condensing unit | Type | GCH30 | GCH48 | GCH82 | GCH122 | GCH170 |
| Ductable air condensing unit | Type | GCG30 | GCG48 | GCG82 | GCH122 | GCG170 |
| Water condensing unit | Type | GCW30 | GCW48 | GCW82 | GCW122 | GCW170 |

**Cabinet evaporator splits system EVA2 Céos**

| | | | | | | |
|---|---|---|---|---|---|---|
| **EVA2 split** \| air condensing unit | *item code* | ***SPC30_HEVA2_CSX*** | ***SPC48_HEVA2_CSX*** | ***SPC82_HEVA2_CSX*** | ***SPC122_HEVA2_CSX*** | ***SPC170_HEVA2_CSX*** |
| **EVA2 split** \| ductable air condensing unit | *item code* | ***SPC30_GEVA2_CSX*** | ***SPC48_GEVA2_CSX*** | ***SPC82_GEVA2_CSX*** | ***SPC122_GEVA2_CSX*** | ***SPC170_GEVA2_CSX*** |
| **EVA2 split** \| water condensing unit | *item code* | ***SPC30_WEVA2_CSX*** | ***SPC48_WEVA2_CSX*** | ***SPC82_WEVA2_CSX*** | ***SPC122_WEVA2_CSX*** | ***SPC170_WEVA2_CSX*** |

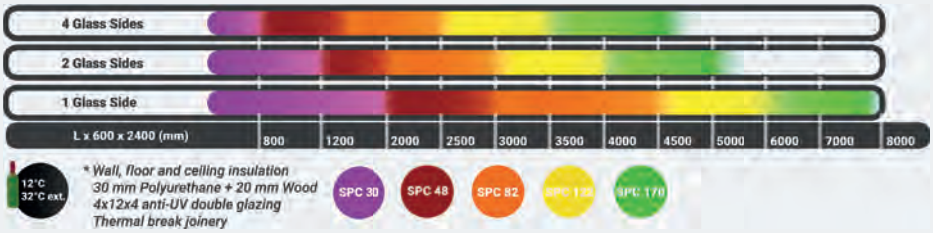
*EVPD 3/8" : Pump down solenoid valve

## Accessories

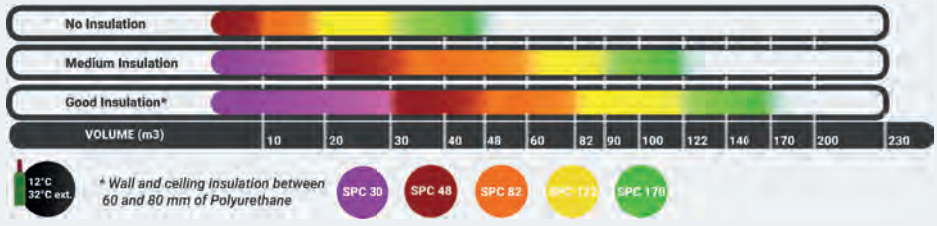
| *Code* | *Description* | *Compatibility* | *Infos* |
|---|---|---|---|
| | | *Céos* | |
| KLPWSECU | Secure connection kit for humidifier | X | p66 |
| KLPR20 | 20m extension kit for humidifier | X | p66 |
| KPR-EVAH2OA | Lift pump kit for EVA2 & H2OA | X | p66 |
| BNS-30-48-GCH | Low Sound Level Kit for condensing unit GCH GCG 30 to 48 | X | p66 |
| BNS-82-122-GCH | Low Sound Level Kit for condensing unit GCH GCG 82 to 122 | X | p66 |
| BNS-170-230-GCH | Low Sound Level Kit for condensing unit GCH GCG 170 to 230 | X | p66 |
| BNS-30-230-GCW | Low Sound Kit water condensing units GCW 30 to 230 | X | p66 |
| KWSP-I | WineSupervisor I Kit - Modbus version | X | p65 |
| KWSP-III | WineSupervisor III Kit - Connected version | X | p65 |
| KS2M | Wall Mounting Kit for MPCG, Chill'Loop, Cd Unit GCH GCG GCW | X | p67 |
| KPM-EVA2 | Invisible wall mounting kit for EVA2 evaporator or H2OA | X | p67 |
| KPM-EVA2-HINOIR | Lower casing for EVA2 and H2OA wall mounting | X | p67 |
| KNET125 | Odorless fungicide bactericide cleaning spray 125 ml cellar air conditioning | X | p66 |

## Quick selection

### *EVA2 for custom wine cabinet*




### *EVA2 for wine cellar*




**WARNING**
*The selections are only indicative and cannot replace a thermal balance that will consider all the parameters related to the cellar.*

FRIAX INDUSTRIE

## YOUR DISTRIBUTOR

## RANGE 20 years

Cover photo
Cave Le Mas les Eydins by Alexandra and Christophe Bacquié - 84 Bonnieux - France
VisioRack cellar storage by Friax
SPC 82 EVA Vintage air conditioner

EN-DC-FRIAX-2024-V1 - Non Contractual

231 / 233 Rue de la Prairie
73420 Voglans – FRANCE

**www.friax.fr**

+33 (0)4 79 34 91 84
info@friax.fr