

Aircold



REVE 2.0 DCI

USER MANUAL

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REVE 2.0 DCI

Wine room cooling unit



REVE 2.0 DCI in a wine room

Contents

This user manual covers starting up, daily operation, cleaning and alarm handling for the REVE 2.0 DCI. Read this manual before using the unit. Refer to the separate installation manual for installation and connection instructions.

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Recommended operation for wine rooms

Select cooling mode and high fan speed. During initial cooling, reduce the temperature gradually by 1–2 °C per day. Automatic changeover between cooling and heating and night mode are not recommended for wine rooms.

Model and accessories

Not all models offer all the functions shown. Some functions depend on the version and the accessories fitted.

Before use

Wine room requirements

- The room must be insulated and airtight, making it suitable for use as a wine room or wine cellar.
- Glazed walls should use insulating glass with a U-value of approximately 1 W/(m²·K) or lower.
- Do not cover the unit or obstruct its air passages. Keep the air intake, air outlet and external grilles clear.

Safety and refrigerant

The unit contains 149 g of R290. This refrigerant is flammable. Keep ignition sources away from the unit and follow the safety instructions in the installation manual.

Users must not open the refrigerant circuit. Work on the unit must only be carried out by an authorised, experienced refrigeration technician with the required certification and knowledge of R290.

Disconnect the power supply before cleaning or maintenance. Switching the unit off at the control panel does not electrically isolate it.

Protect wine and furnishings from water

Incorrect use or a fault may cause water to drip from the unit. Do not place unprotected wine bottles, wine boxes or other moisture-sensitive items beneath it. Damage resulting from improper use is not covered by the supplier.

Original external grilles

Use only original external grilles supplied by Aircold. Using non-original external grilles will invalidate the warranty.

Starting up and gradual cooling

The recommended temperature range for the wine room is approximately 10–16 °C. The unit can be set outside this range, but this is not the operating range recommended in this user manual.

At initial start-up, a warm room contains a large amount of stored heat. Reduce the temperature gradually to avoid operating problems, such as ice forming on the cooling coil.

1. Select cooling mode and high fan speed.
2. Set the temperature 1–2 °C below the current room temperature. For example, if the room is at 22 °C, set the unit to 20 °C.
3. Check the room temperature after 24 hours. If the target temperature has been reached, reduce the setting by a further 1–2 °C.
4. Repeat this procedure until the final target temperature is reached, for example 12 °C.
5. If the target temperature has not been reached, wait at least another 24 hours before reducing the setting again.

Example of gradual cooling

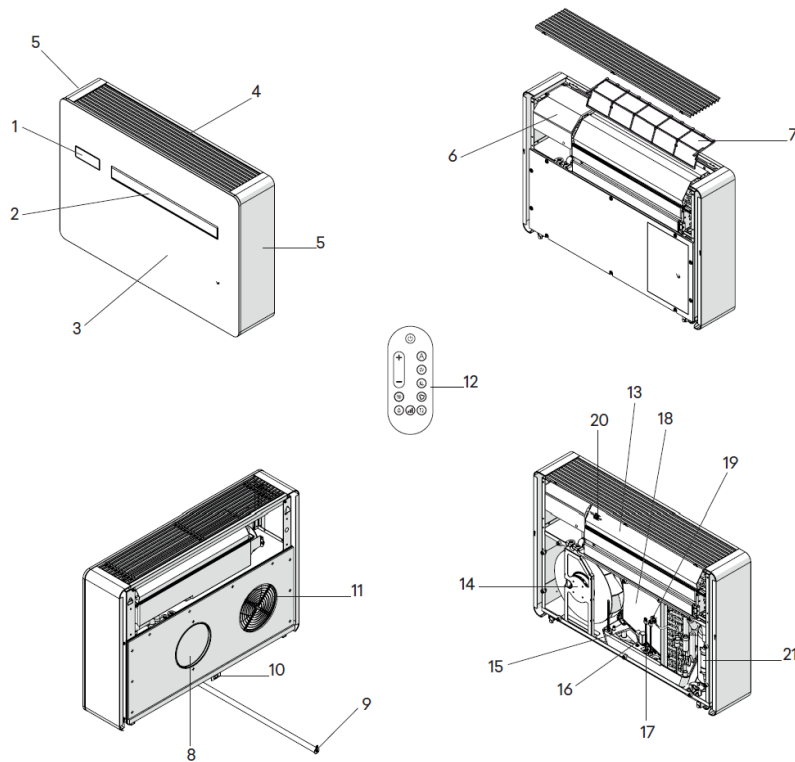
Stage	Setting	Condition for the next stage
Starting at 22 °C	20 °C	Check after 24 hours.
Next stage	18 °C	Only if 20 °C has been reached.
Continued cooling	Reduce by 1–2 °C per day	Wait longer if the room has not yet reached the set temperature.
Final temperature	For example, 12 °C	Maintain the desired setting.

If the room requires heating

Some versions provide cooling, heating and dehumidification. Select heating mode manually if the room requires heating at certain times. Heating mode is only recommended when the room is monitored using an Aircold WiFi module.

Automatic mode is not recommended for wine rooms where a stable, precisely controlled temperature is required.

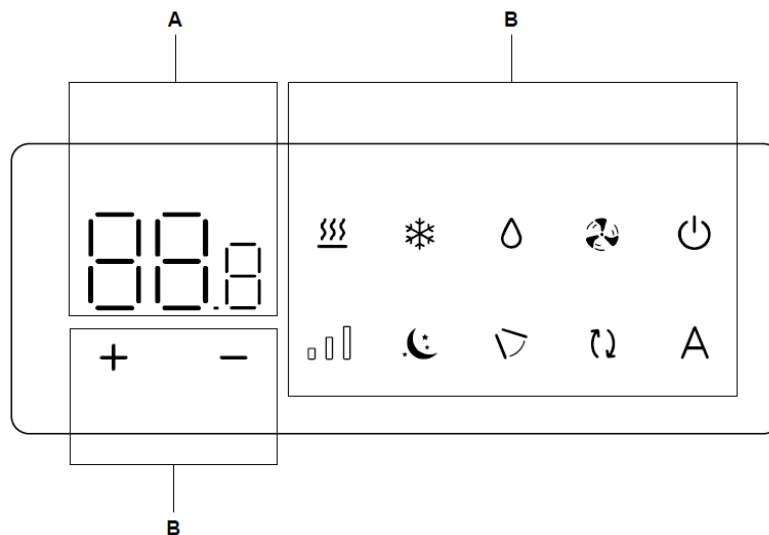
Unit components



No.	Component	No.	Component
1	Touchpad control panel	12	Remote control
2	Air outlet deflector	13	Internal heat exchanger
3	Front panel	14	External fan
4	Return air intake grille	15	Condensate pump
5	Side panel	16	Condensate drain valve
6	Electrical connection cover	17	Float switch
7	Air filter	18	External heat exchanger
8	Rear compartment air outlet	19	Outdoor temperature sensor
9	Drain hose	20	Room temperature sensor
10	Anti-lift locking device	21	Compressor
11	Rear compartment air intake		

Using the touchpad

The REVE 2.0 DCI has an integrated touchpad on the front. It displays operating status and alarms and is used to select functions. Operating settings can also be changed using the remote control.



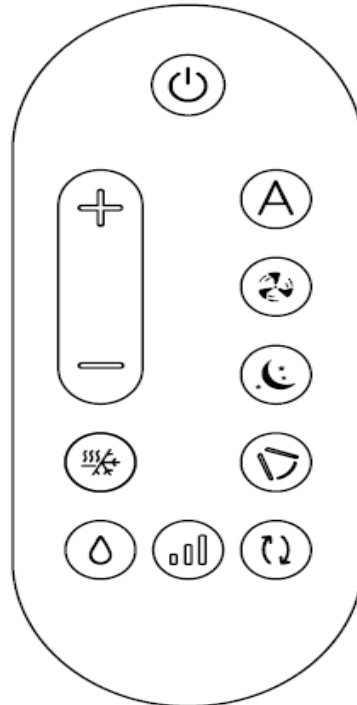
A: Display area · B: Control area.

Symbol	Function
Numerical display	Shows the set temperature (setpoint).
+ / –	Increases or decreases the temperature.
Heat waves / snowflake	Selects heating or cooling mode.
Droplet / fan	Selects dehumidification or fan-only mode.
On/off	Switches the unit on or off.
Fan speed bars	Sets the fan speed.
Moon	Night mode; not recommended for wine rooms.
Air deflector with arrow	Adjusts the airflow angle.
Circular arrows	Not used in this manual.
A	Automatic mode; see Temperature and fan settings.

Not all models are equipped with every function.

Using the remote control

The remote control provides access to the same operating settings as the touchpad. The display on the front of the unit shows the set room temperature.



Button	Function
+ / -	Increases or decreases the temperature.
On/off	Switches the unit on or off.
Cooling/heating symbol	Selects cooling or heating mode.
Fan	Fan-only operation without cooling, heating or dehumidification.
Fan speed bars	Sets the fan speed.
Droplet	Dehumidification mode.
Moon	Night mode; not recommended for wine rooms.
Air deflector with arrow	Adjusts the airflow angle.
A	Automatic mode; not recommended for wine rooms.
Circular arrows	Not used in this manual.

Functions depend on the model and equipment fitted.

Temperature and fan settings

Setting the room temperature

Use + and – to increase or decrease the temperature. The front panel display shows the set temperature, also known as the setpoint.

During initial start-up, reduce the temperature gradually. Follow the procedure in “Starting up and gradual cooling”.

Fan speed

Press the fan speed bars symbol to change the fan speed and the volume of air recirculated through the room. Press repeatedly to cycle through the available speeds.

Aircold recommends high fan speed for wine rooms.

Booster function

The booster function increases airflow and therefore capacity while active. It operates for 90 minutes. The fan then switches to automatic speed control, allowing the unit to select a suitable speed.

Automatic mode

Press and hold the A button for 2 seconds to activate automatic mode. The unit then selects cooling or heating automatically.

This function has a dead band between cooling and heating, resulting in less precise temperature control. It is therefore not recommended for wine rooms where a stable temperature is required.

Automatic fan speed after booster operation and automatic changeover between cooling and heating are separate functions.

Other operating functions

Dehumidification

Press and hold the dehumidification button on the remote control or the droplet symbol on the touchpad for 2 seconds. In dehumidification mode, the unit runs at low fan speed to remove as much moisture as possible from the air.

Dehumidification is rarely used in wine rooms. Use of this function in a wine room is at the user's own risk.

Fan-only mode

Press the fan symbol to circulate air in the room without cooling, heating or dehumidification.

Night mode

Press and hold the moon symbol for 2 seconds to activate night mode.

Mode	After 1 hour	After 2 hours	After 6 hours
Cooling	Setpoint rises by 1 °C	Setpoint rises by 2 °C in total	Unit enters standby.
Heating	Setpoint falls by 1 °C	Setpoint falls by 2 °C in total	Unit enters standby.

Night mode is not recommended for wine room climate control.

Airflow angle

Press the airflow angle symbol to adjust the angle of the long air deflector on the front of the unit.

Press and hold the symbol for 2 seconds to activate automatic swing. The deflector then moves slowly up and down to distribute air around the room.

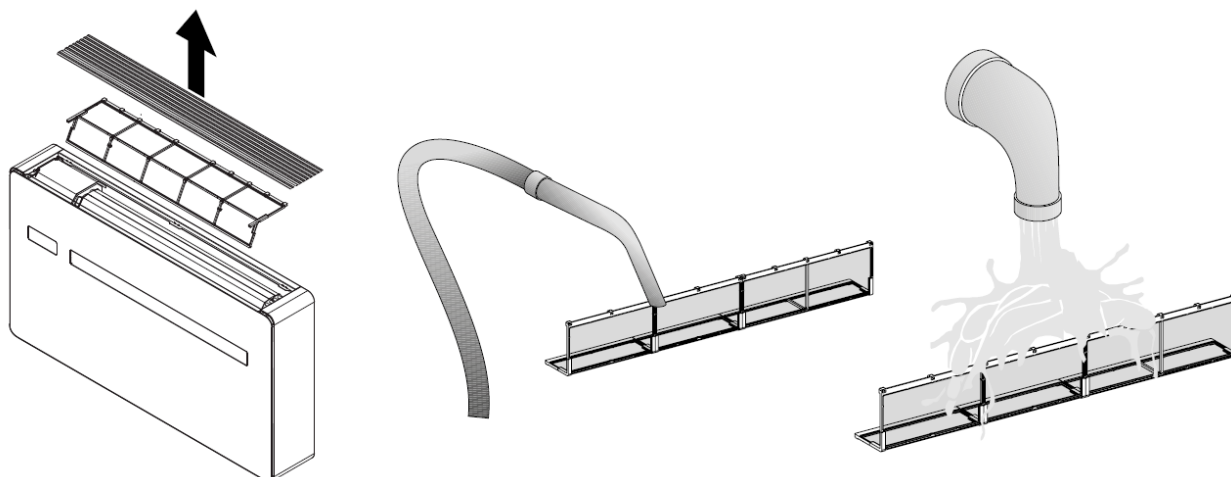
Cleaning and maintenance

Disconnect the power supply before cleaning or maintenance.

Frequency	Task
Weekly	Wipe the unit with a dry cloth, then with a well-wrung damp cloth. Use only mild soapy water. Remove leaves and dirt from the external grilles and check that all air passages are clear.
Monthly	Clean the air filter at the top of the unit as described below.
Annually	A comprehensive service is recommended. Service personnel inspect and test the unit and clean it internally. Contact Aircold to arrange a service.

Cleaning the air filter

1. Remove the air filter from the top of the unit.
2. Remove dust using a vacuum cleaner.
3. Rinse the filter in lukewarm water and allow it to dry completely.
4. Refit the dry filter correctly in the unit.



Annual service

Contact Aircold at aircold@aircold.dk or +45 98190166 to arrange a service.

Alarm codes and actions

If the unit reports a fault, note the code displayed. The table lists the actions specified for each code. Work inside the electrical box and on the unit must be carried out by qualified personnel.

“Restart” in the table means: unplug the unit, leave it disconnected for approximately 10 minutes, then reconnect it.

Code	Description	Action
Er01	Room temperature sensor fault (RT).	Restart. Contact Aircold if the fault recurs.
Er02	Internal heat exchanger temperature sensor fault (IPT).	Restart. Contact Aircold if the fault recurs.
Er03	Outdoor temperature sensor fault (OT).	Restart. Clean the external grilles and restart again.
Er04	External heat exchanger temperature sensor fault (OPT).	Restart. Clean the external grilles and restart again.
Er05	Internal fan fault.	Disconnect the power for approximately 10 minutes. Leave the unit switched off for 4 hours.
Er06	External fan fault.	Restart. Clean the external grilles and restart again.
Er07	Driver communication fault.	Disconnect the power for approximately 10 minutes. Contact Aircold if the fault recurs.
Er08	Compressor discharge temperature sensor fault (TD).	Restart. Contact Aircold if the fault recurs.
Er09	Communication fault with external thermostat M7 (optional).	Restart. Contact Aircold if the fault recurs.
Er10	Alarm: condensate tray overflow.	Switch off for 4 hours. Clean the external grilles and check that the drain hose is unobstructed. Contact Aircold if the fault recurs.

Alarm codes and actions continued

Restart as described on the previous page: unplug the unit, wait approximately 10 minutes, then reconnect it.

Code	Description	Action
CP	CP contact is open.	The unit will only start when the contact is closed. Have qualified personnel check the connections in the electrical box.
Er12	Driver or compressor fault.	Restart. Contact Aircold if the fault recurs.
CE	Communication fault between controller and display.	Restart. Contact Aircold if the fault recurs.
Er16	Four-way valve fault or insufficient refrigerant charge.	Restart. Contact Aircold if the fault recurs.
Er17	Driver parameter error or incompatible compressor.	Restart. Contact Aircold if the fault recurs.
Er19	Heater safety temperature sensor fault (LEVEL).	Contact Aircold.
Er20	Second external heat exchanger temperature sensor fault (GT).	Restart. Contact Aircold if the fault recurs.
Er22	Power supply fault.	Restart. Contact Aircold if the fault recurs.
Er23	UV lamp fault (optional).	Restart. Contact Aircold if the fault recurs.
Er24	Air exchange kit fault (optional).	Restart. Contact Aircold if the fault recurs.
BL	Display key lock is active.	Press + and – simultaneously to unlock.

Accessory codes only apply if the relevant accessory is fitted. Contact Aircold if a fault persists.

OF alarm and service support

If OF appears on the display

OF indicates that the unit cannot drain the condensate. Follow the procedure below.

1. Place a watertight tray or container beneath the unit to collect the water.
2. Open the cap on the drain hose beneath the unit and allow the water to drain into the tray or container.
3. Clean the drain hose. Check that it is not blocked or kinked.
4. Clean the air filter and external grilles.
5. Contact the installer if the OF alarm reappears after this procedure.

Er10 is the condensate tray alarm in the code table. If OF is displayed, follow the separate instructions above. Always quote the actual code displayed when contacting service support.

Contact Aircold

Aircold
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Contact Aircold with questions about operation, annual inspections or servicing.

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