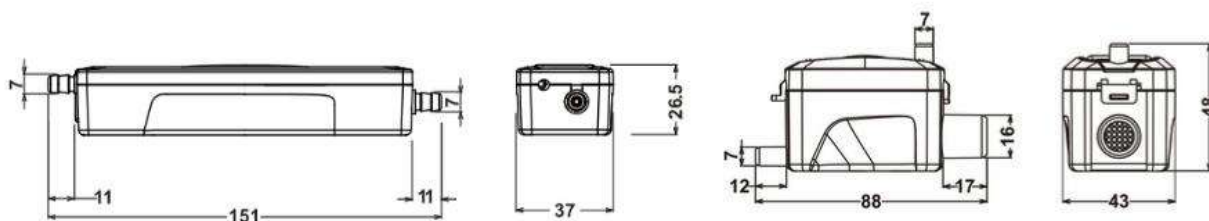


**TECHNICAL DATA SHEET****Micro condensate pump for air conditioning Ref. 4646882500****Product description:**

Ultra-quiet micro condensate pump designed for air conditioning installations where condensate water must be drained safely, compactly and efficiently. It includes a water level sensor and overflow stop function, providing greater safety during operation.



|                                          |                       |
|------------------------------------------|-----------------------|
| <b>Reference model</b>                   | 4646882500            |
| <b>Application</b>                       | Air conditioning      |
| <b>Product type</b>                      | Micro condensate pump |
| <b>Power supply</b>                      | AC 110–220 V          |
| <b>Maximum discharge height</b>          | 10 m                  |
| <b>Maximum flow rate</b>                 | 15 L/h                |
| <b>Tank capacity</b>                     | 45 ml                 |
| <b>Sound level</b>                       | < 19 dB(A)            |
| <b>Maximum air conditioning capacity</b> | 7.2 kW / 24,000 BTU/h |
| <b>Maximum water temperature</b>         | 35 °C                 |

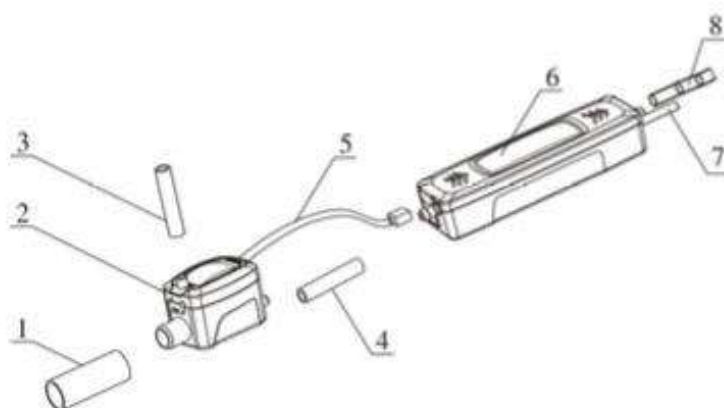
**2. Dimensiones**

## Key features

- Ultra-quiet operation, with sound level below 19 dB(A).
- Integrated water level sensor for safer and more durable detection.
- Overflow stop function to protect the installation against excess water.
- Compact design, suitable for indoor air conditioning installations.
- Discharge height up to 10 m and maximum flow rate of 15 L/h.

## Included / identified components

| No. | Component       |
|-----|-----------------|
| 1   | Inlet pipe      |
| 2   | Tank            |
| 3   | Air pipe        |
| 4   | Outlet pipe     |
| 5   | Four-core cable |
| 6   | Connection pipe |
| 7   | Signal line     |
| 8   | Pump motor      |



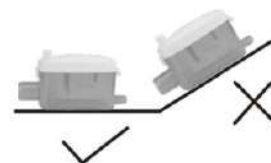
## Performance according to discharge height

| Discharge height | Approximate flow rate |
|------------------|-----------------------|
| 0 m              | 23 L/h                |
| 2 m              | 20 L/h                |
| 4 m              | 18 L/h                |
| 6 m              | 16 L/h                |
| 8 m              | 14 L/h                |
| 10 m             | 12 L/h                |



## Installation recommendations

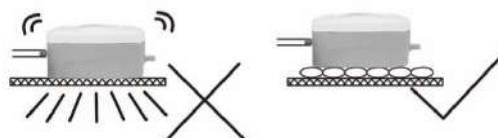
1. Place the tank in a horizontal position and ensure a firm connection between the outlet pipe and the water inlet.



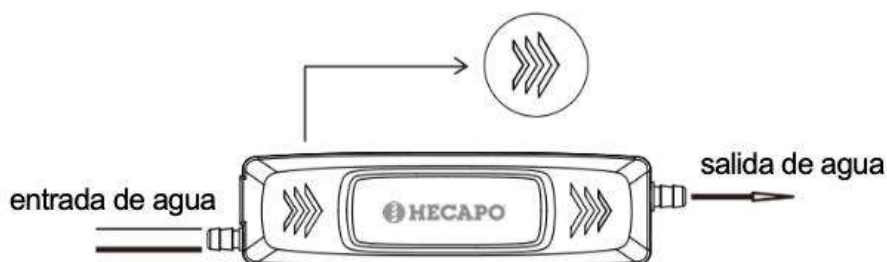
2. Connect the air pipe to the cylinder located on the tank cover.



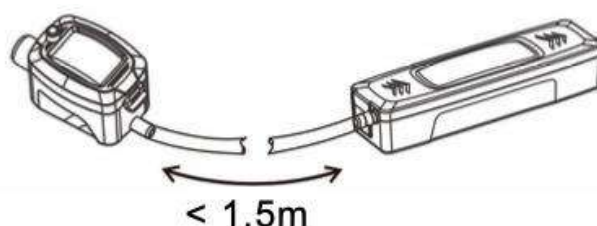
3. Install the pump motor in a suitable position and use anti-vibration material to reduce possible noise.



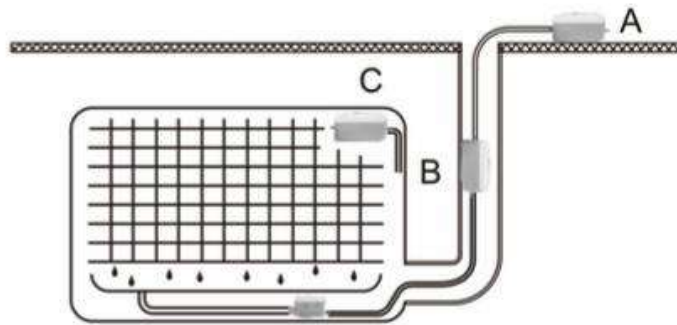
4. Observe the flow direction indicated by the arrow on the cover.



5. Connect the tank to the pump using the supplied pipe, maintaining a maximum distance of 1.5 m between the tank and the motor.



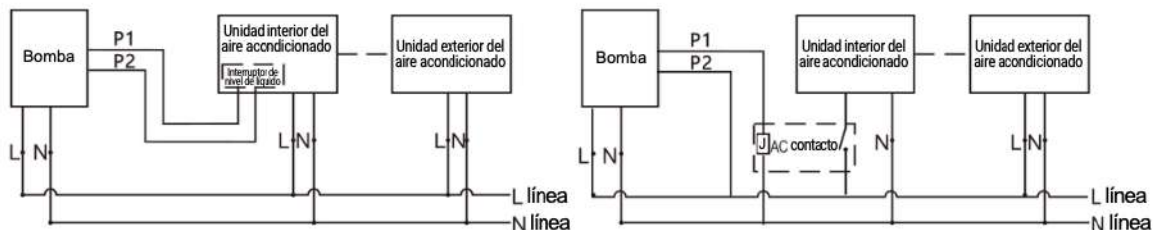
6. Connect the OD 9 mm / ID 6 mm plastic pipe to the motor outlet.



### Electrical and signal connection

The pump has a four-core cable. The power line is identified by red L and black N. The signal line is identified by yellow P1 and white P2. To prevent overflow caused by malfunction, it is recommended to connect the signal line according to the installation diagram of the equipment.

Para evitar desbordamientos por fallos y la consecuente pérdida de bienes materiales, recomendamos conectar la línea de señal, como se muestra.



Lado del controlador con nivel de líquido

En el lado del controlador sin nivel de líquido, puede seleccionar el contacto AC adecuado según la potencia del aire acondicionado, para controlar el encendido o apagado del suministro eléctrico.

### Overflow safety function

When the water level in the tank reaches its maximum capacity, the pump activates overflow protection. If the signal line is connected, the air conditioner will switch off automatically. If it is not connected, the air conditioner and the pump must be switched off manually and immediately.

### Important warnings

- Do not connect the power line and signal line incorrectly.
- The pump operates even if the signal line is not connected, but connection is recommended to prevent overflow failures.
- Do not install the pump outdoors or in areas prone to flooding.
- Prevent the inlet flow rate from exceeding the outlet flow rate.
- Installation must be carried out by a professional technician.
- It is recommended to replace the pump after two years of use to reduce the risk of water leakage.

### Quick troubleshooting

| Issue                                      | Possible cause                         | Recommended action                                       |
|--------------------------------------------|----------------------------------------|----------------------------------------------------------|
| <b>The pump runs continuously</b>          | Tilted tank or dirt inside             | Adjust to a horizontal position and clean the tank.      |
| <b>The pump makes a lot of noise</b>       | Siphon effect or air intake            | Check the ventilation pipe and installation.             |
| <b>Does not start</b>                      | Incorrect connection or power supply   | Check wiring and line voltage.                           |
| <b>No water comes out during operation</b> | Blockage, dirt or incorrect connection | Check pipes, cleaning and connections.                   |
| <b>Contains water inside</b>               | Previous factory test                  | Normal condition; the product can be used without issue. |