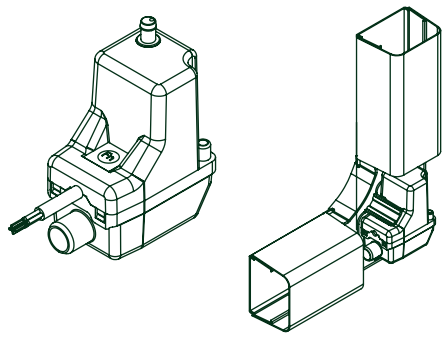
CLIMACONNECT

SIGMA

Condensate removal pump

Pump inside a trunk elbow



Max flow
18L/h (4.8GPH)

Sound level
17-19dB(A)@1M (3.3ft)

Max. discharge head
12 M (39.4ft)

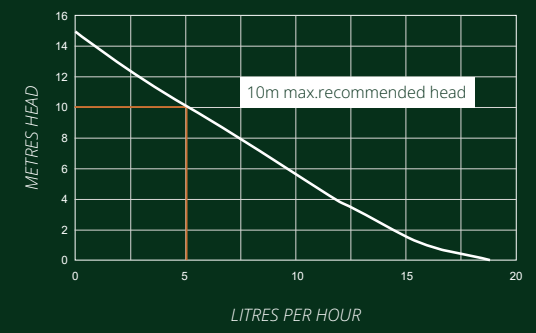
Thank you for purchasing our new condensate pump - Sigma

Sigma uses a capacitive sensor to detect water instead of the traditional float and hall element. Automatic flow adjustment greatly reduces the function noise and extend the service life of the pump and electronic components, and with counter to record runing time and alarm.

TECHNICAL DATA

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 18 L/H (4.8GPH), range from 12-18L/H (3.2-4.8GPH)
- Sound level: 17-19dB(A)@1M (3.3ft)
- Max. discharge head: 12M (39.4ft)
- Max. suction lift: 2M (6.6ft)
- Max. unit output: 16kw / 54,600 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 ℃
- Discharge tube: 6mmID
- Class: Ⅱ appliance 回
- Protection: Fully potted, IP-45
- L×W×H: 82.6mm × 47.8mm × 96.9mm

TYPICAL PERFORMANCE

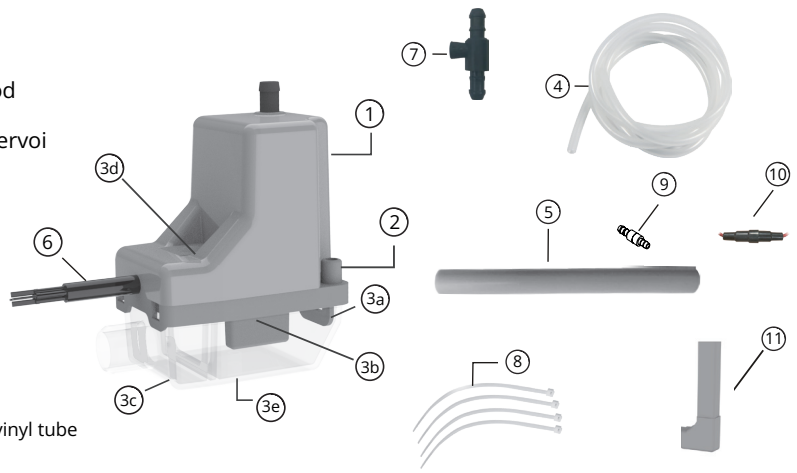


Article: CC-SIGMA-18
Article code: 81002229
Article description: ClimaConnect SIGMA condensate removal pump + ducting kit 18l/h
EAN/GTIN: 8719544323095

① IN THE BOX

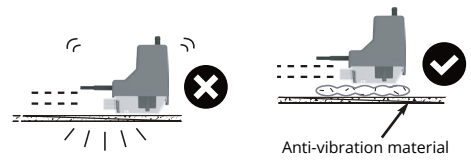
① Assembled
② Breather hole 6mm od
③ Assembled Inline reservoi
- ③a Capacitor plate
- ③b Status indicator
- ③c Filter
- ③d Fn key (Fn)
- ③e Reservoir

④ 1.5m length of 6mm i/d vinyl tube
⑤ Inlet tube
⑥ Power Cable
⑦ 1 x adapters
⑧ 4 x 200mm x 5mm cable ties
⑨ Check valve
⑩ 1A fuse
⑪ Line Set(As option)

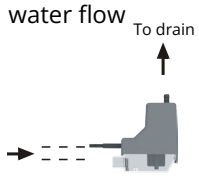


② INSTALLATION

Secure reservoir horizontally using velcro strips and for the inline reservoir use the inlet hose to connect firmly to drainage pipe.

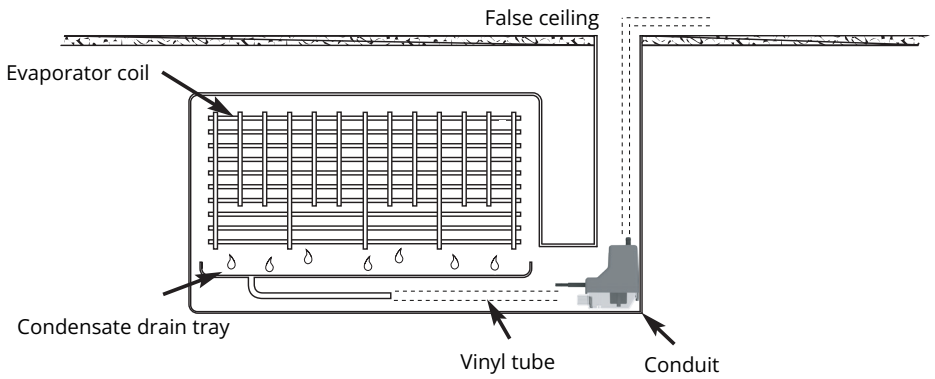


Note direction of water flow



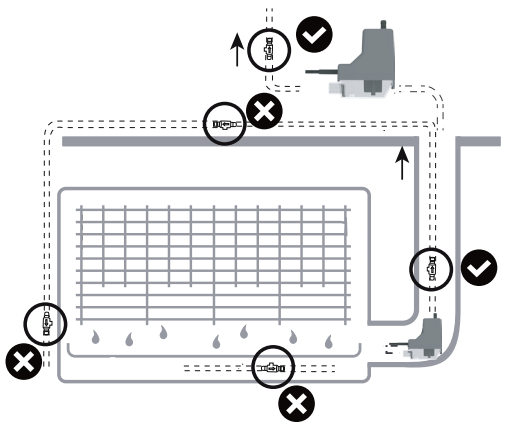
② INSTALLATION

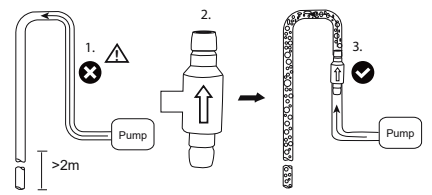
Install pump drive unit above the ceiling where possible.



② INSTALLATION

1. Siphoning
2. Anti-siphoning device
3. Air intake = No siphoning





Caution: The reflux valve could only be installed in vertical, otherwise it won't have any function on antisiphoning.

CLIMACONNECT

SIGMA

Condensate removal pump

Pump inside a trunk elbow

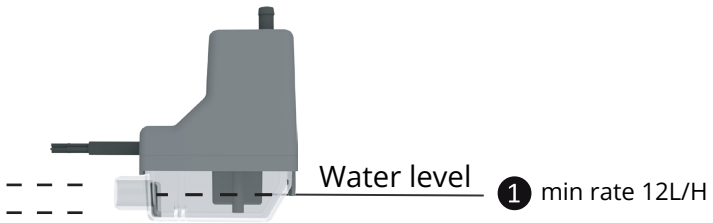
Max flow
18L/h (4.8GPH)

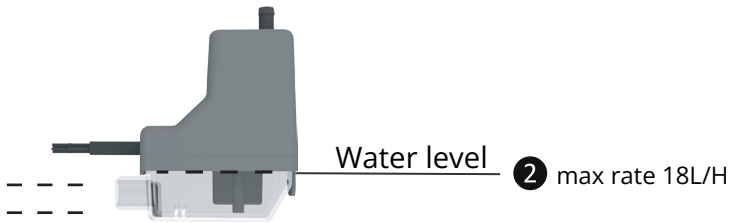
Sound level
17-19dB(A)@1M (3.3ft)

Max. discharge head
12 M (39.4ft)

③ FUNCTION

The pump's flow rate automatically adjusts with changes in water level.

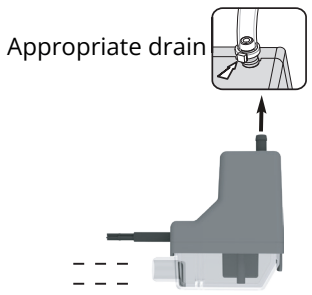


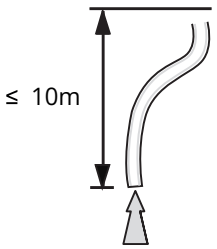


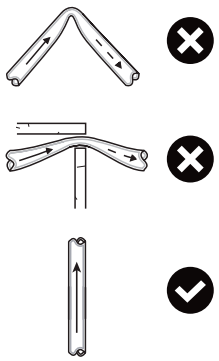
Fn For Manual drainage

④ INSTALLATION

Connect your 9mm o/d x 6mm i/d vinyl discharge tube to the outlet barb on the Sigma and secure with a cable tie. Channel discharge tube to an appropriate drain, avoiding restrictions.

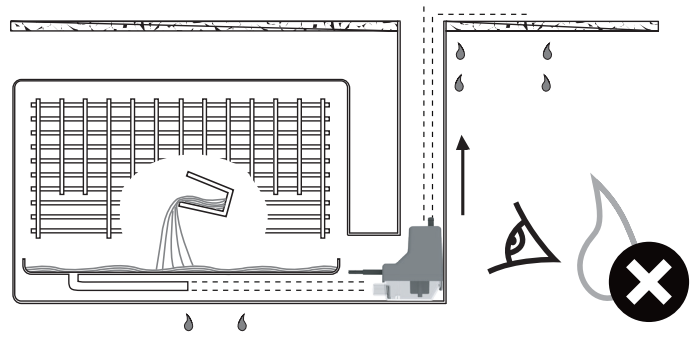






④ INSTALLATION

Test pump operation by pouring water into evaporator tray.
CHECK FOR LEAKS.

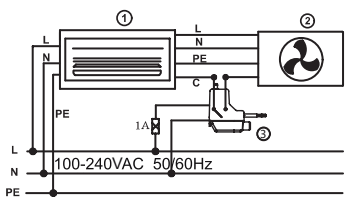


④ INSTALLATION

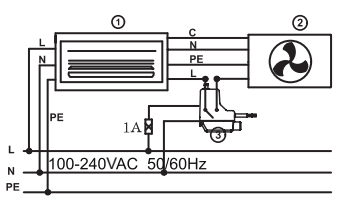
A high-level alarm switch should be wired into the cooling signal wire, to prevent the continued operation of the air conditioning unit in the event of the pump failing.

IMPORTANT: This diagram is an example of how the pump could be installed and is therefore for reference only. All pump units must be installed by qualified engineers, who have assessed the set-up of the individual a/c unit.

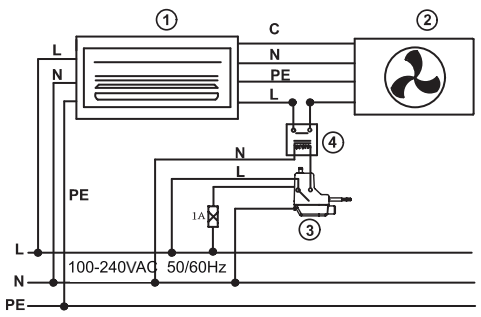
(1) Signal-line connection



(2) Strong electric control connection (Current <3A)



(3) Strong electric control connection (Current >3A)



L: brown
N: blue
NC: black
C: black

① Indoor unit
② Outdoor
③ Pump unit
④ Contactor Relay Normally Open

⑤ SAFETY INSTRUCTIONS

Read instructions carefully before attempting to install, operate or service, pump installation, connections or any other service should be done by qualified engineers.

This pump has not been investigated for use in swimming pool or marine areas.

Do not install or use the pump if the supply cord or pump itself is broken.

The Sigma pump has been evaluated for use with water only.

Ensure the pump is disconnected from the mains supply before carrying out any adjustments or servicing

Suitable for indoor use only