

- Max. flow
40L/h (10.6GPH)
- Sound level
19dB(A)@1M (3.3ft)
- Max. discharge head
20 M (65.6ft)

Tranquil-D

CONDENSATE PUMP

- Capacitive sensor
- Variable flow rate
- Diagnostic LED
- Submersible in Condensate Pans
- Built-in operation tracking
- Ultra-quiet operation
- Up to 46 kw / 157,000 Btu/h

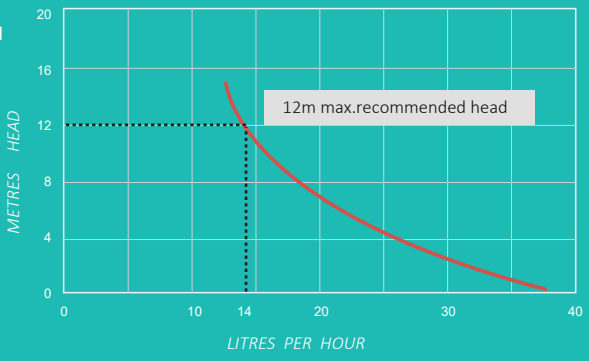
Thank you for purchasing our new condensate pump - Tranquil-D.

Tranquil-D 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.

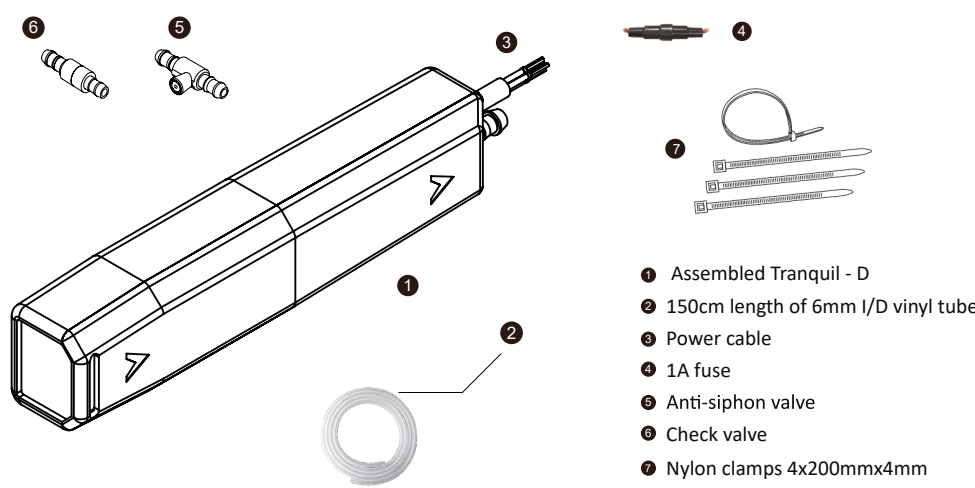
> TECHNICAL DATA

TYPICAL PERFORMANCE <

- Power supply: 100-240V AC 50/60Hz <4W
- Max. flow: 40L/h (10.6GPH), range from 20-40L/H (5.3-10.6GPH)
- Sound level: 19dB(A)@1M (3.3ft)
- Max. discharge head: 20 M (65.6ft)
- Max. suction lift: 2 M (6.6ft)
- Max. unit output: 46 kw / 157,000 Btu/h
- Safety switch: 3A Normally closed
- Max. water temperature: 40 C
- Discharge tube: 6mmID
- Class: II appliance
- Protection: IP68
- LxWxH: 176mm x 34mm x 41mm



① IN THE BOX



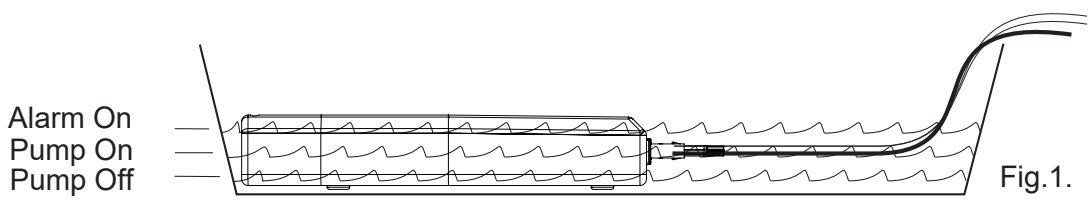
③ INSTALLATION

Note direction of water flow.

Channel discharge tube to an appropriate drain, avoiding restrictions.

Connect your 9mm o/d x 6mm i/d vinyl discharge tube to the outlet barb on the outlet of pump and secure with a cable tie.

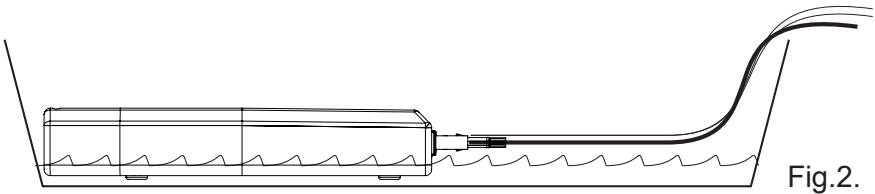
② OPERATION



The Tranquil-D is equipped with an internal sensor. When the water level rises to a certain height, the pump will start at the lowest speed and will continue to run until the water level drops to the stop position, at which point the pump will stop. If the water level exceeds the start position, the pump will adjust its drainage speed according to the current water level. When the water level reaches the alarm position, the pump will operate at maximum speed until the water level drops to the stop position.



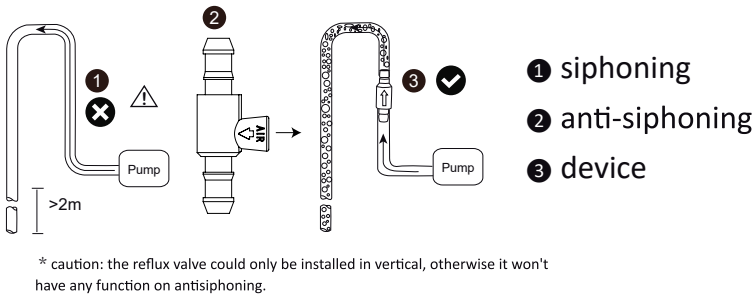
3 INSTALLATION



* Please ensure the pump is installed horizontally with the drain pan. Tilting or vertical installation is strictly prohibited.

The Tranquil-D pump is designed to be very easy to install. Ensure that the drain pan is free of dirt and debris and place the Tranquil-D flat and level in the bottom. (Fig.2) Route the mains cable and discharge tube so as to avoid sharp edges. The Tranquil-D pump will vibrate during operation and is fitted with anti-vibration feet to reduce any associated noise. To further reduce possible noise, ensure that the Tranquil-D is not touching the side walls of the drain pan and clamp the discharge tube and mains cable to a convenient solid surface. The Tranquil-D pump has a built-in removable filter sponge, making it easy to take out for cleaning and reinstallation. The Tranquil-D pump features a built-in capacitive sensor that detects the condensate water level and automatically adjusts the pump's flow rate based on the water level. It consistently operates with low power consumption and minimal noise.

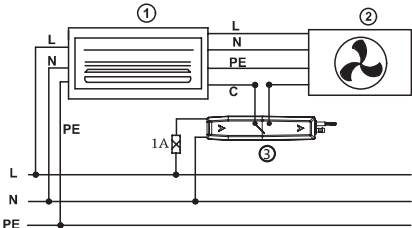
4 INSTALLATION



Anti-siphon valve is used where siphon phenomenon occurs. The siphon phenomenon is generally caused when the pump is much higher than outlet, which causes the water inside the reservoir or pump still to be drained completely when the pump is not running. This phenomenon is often accompanied by noise. Anti-siphon valve shall be connected according to the diagram to solve this problem.

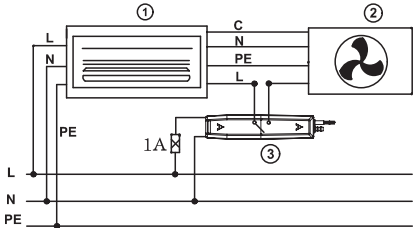
5 INSTALLATION

(1) Signal-line connection



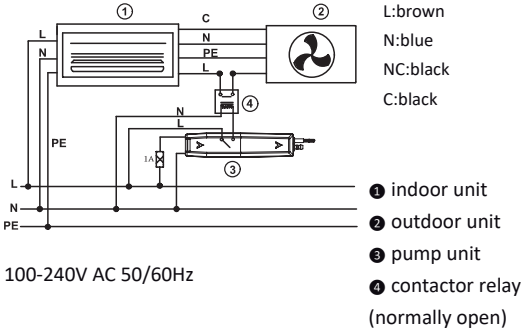
100-240V AC 50/60Hz

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



100-240V AC 50/60Hz

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



100-240V AC 50/60Hz

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 Tranquil 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