

Matters to Be Noted on Installation and Use of C-TRAP

~Ensure to read this product manual for proper use of the product~

●Notes on use

① Notes on storage and use

- Intense impact might cause damage to the product. Please use it with care.
- Do not store or use the product near source of ignition or at high temperature.

② Notes on installation

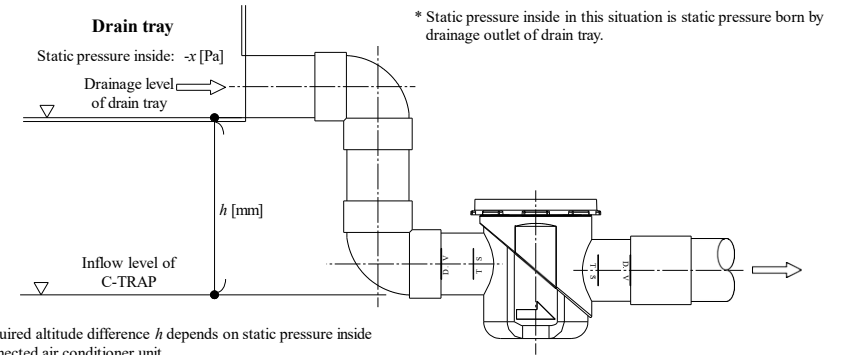
- Please install the product in a horizontal way considering inflow/outflow direction.
- Please follow instructions given by tubular product manufacturers when using plastic tube.
- Do not omit or overuse bonding agent or apply it to non-bonding area when using it.
- Keep supporting/lifting point close to main body.
- Do not provide U-type backwater trap on secondary side of C-TRAP.
- Provide venting device extending to the top on a drain riser.
- Make sure that altitude difference between outlet of drain tray and inlet of C-TRAP shall be higher than static pressure needed for condensate drain. (Please refer to "How to connect with drainage pump device" in other side page if condensate drainage pump is equipped.)
- Please conduct running water (full water) test to ensure no water leakage after tubing is finished and before implementation of insulation.
- Please take anti-condensation measures as necessary.
- Provide inspection hole near C-TRAP for maintenance, inspection and cleaning.

③ Notes on use

- Please fully close the lid when using the product usually. In addition, support the main body of drain trap when opening or closing the lid. Do not apply excessive force to the connecting tube.
- When opening or closing the lid, please make sure that watertightness seal inside the lid is not damaged or abnormal. In case of any abnormality, please replace it with a new one.
- Open the lid of inspection hole, take out internal parts, clean specially made floating ball and clear waste on the bottom of the main body on a regular basis subject to dirt extent. In addition, inspect connection and suspension (supporting) part of tubing.
- Do not use acetone thinner or other organic compounds when cleaning.
- When connected with a machine that drains water at high temperature, take care not to get burned).
- Heat resistance temperature of the product is 90°C.

●Notes on fitting

- ① Is inflow/outflow direction correct?
- ② Is the drainage slope inverted?
- ③ Is altitude difference on inflow side higher than static pressure inside? (Refer to the following diagram for the size of h .)
- ④ Is the lid tightly closed?



- Required altitude difference h depends on static pressure inside connected air conditioner unit.

$$h [\text{mm}] = x [\text{Pa}] / 9.8$$

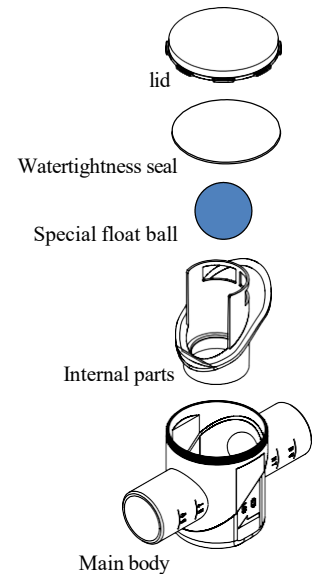
Example: When static pressure inside is -294 [Pa], the altitude difference h must be greater than 30 mm because $294 [\text{Pa}] / 9.8 = 30 [\text{mmAq}]$

●Sequence of inspection and cleaning

- ① Do not apply excessive force to tubing when opening/closing the lid.
- ② Take out internal parts and Special float ball and clean the contact surface.
- ③ Remove dust inside the main body.
- ④ Put cleaned internal parts and Special float ball back to their original position.
- ⑤ Please check whether the seal is damaged or abnormal.
- ⑥ Make sure that no leakage occurs when the lid is completely closed.
- ⑦ Check whether there is abnormality at connection with tubing and support of the main body of drain trap.

* This product cannot completely the back flow of gas and liquid.

●Internal structure



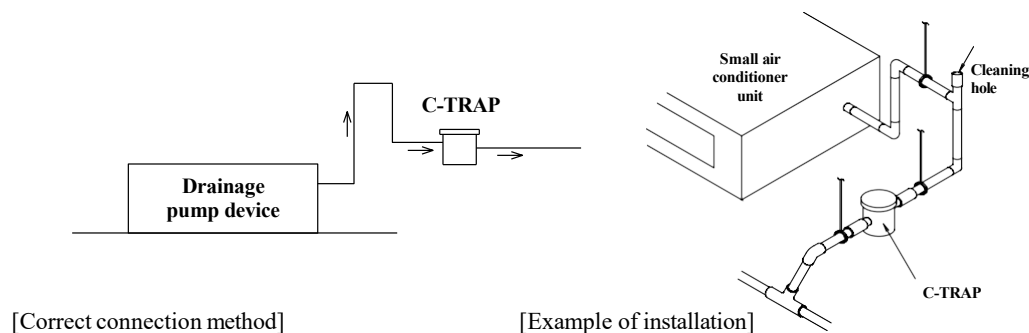
How to connect to condensate drainage pump device

~Please ensure you read this product manual thoroughly before installation to guarantee proper use of the product~

During heat supply period of air conditioner without condensate drainage, polluted air inversion and insect invasion cannot be prevented in a drainage pump device without check control function. Therefore, whether there is condensate, it is necessary to install C-TRAP in order to prevent air inversion in drain pipe.

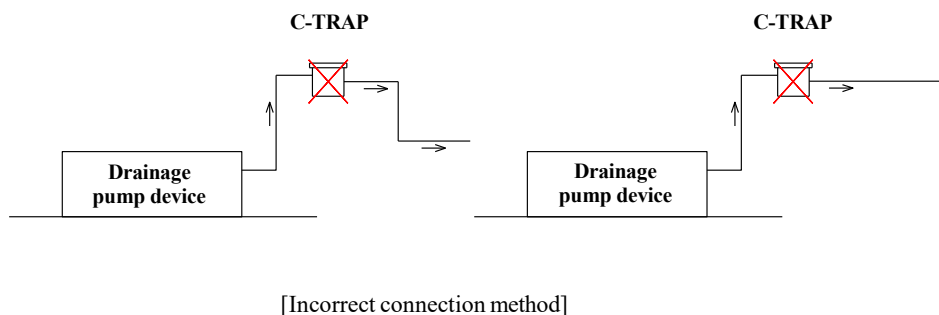
○ Correct connection method

C-TRAP should be installed behind inverted U-bend when a drainage pump device is connected with it.



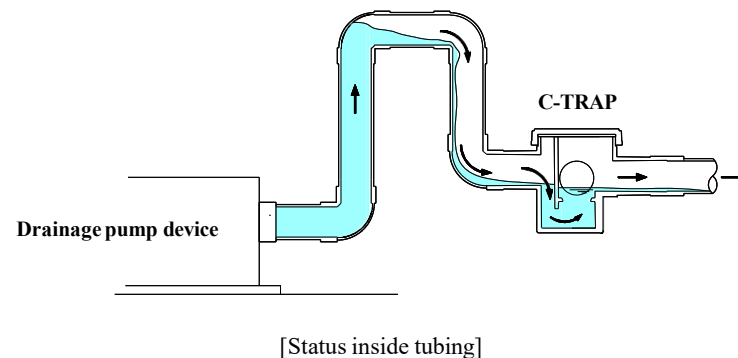
× Incorrect connection method

Do not use the connection method shown in the following diagram because it might cause impeded drainage.



<Water flow when drainage pump works>

The drainage raised by drainage pump is filled with water at riser part and then naturally flows downward. Therefore, C-TRAP does not form resistance against drainage pump device. When drainage starts, the air inside tubing is pushed into outflow side of C-TRAP. After this, condensate drains smoothly.



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