

[Installation]

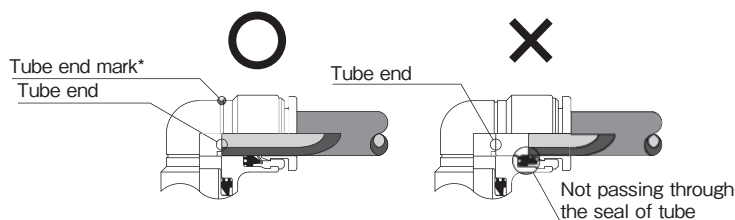
⚠️ 〈Warning〉

1. Installation or Removal of Tube

- (1) Cut a tube at the end at a right angle using a dedicated tube cutter. Using scissors or an ordinary cutter is highly likely to cause a crush or diagonal cutting surface on a tube, which makes it difficult to insert the tube into a joint, or may result in leakage due to damaged sealant affected by such an improperly cut tube.
- (2) Insert the tube until it touches the tube end of joint and then pull the tube lightly to make sure that it does not come off from the joint.
- (3) When you remove a tube from a joint, push the tube onto the tube end, and press the release ring evenly to pull out straight without twisting it.

2. Tubes may come off from joints and run out of control because of their deterioration, the damage or the bad fit of joints.

- (1) Take appropriate measures such as securing tubes to prevent them from running out of control. Otherwise, an uncontrolled tube carrying water, etc. may hit a peripheral equipment, thus causing an electrical shock.



* A tube end mark is present only on the plastic body of the Touch Connector 5 Series except for the plastic body of the speed controllers.

⚠️ 〈Caution〉

1. Check before Starting Installation Work

- (1) Check the model, size, and the like of the product. In addition, verify that there is no scratch, dent, or crack on the product.
- (2) Check the cutting surface of tubes for any dirt, crush or burr and cut to eliminate, if any.

2. Connecting or Removing Tube

- (1) The insertion depth of a tube may vary depending on joints used. Refer to the specification of joint to check correct values.
- (2) Give some play to a tube. A tube may change a bit in length when pressure is applied after connection has been made.
A tight connection may result in the destruction of joints or the dropout of tube.
- (3) Any tensile force, moment load, vibration or impact should not be applied to the joints or tubes.
Otherwise, the joints could be damaged, or the tubes may crush, blow out or come off.
- (4) Use a tube with the minimum bending radius or greater.
- (5) Before you start removing a tube, turn off the air supply and make sure that pressure is zero in the piping system.

[Fluid to Be Used]

⚠️ 〈Warning〉

1. Type of Fluid

- (1) Use fluid that is described in the individual specification section of this catalog. If you want to use any other types of fluid, contact us for information.

2. When drain water is much

- (1) Using compressed air containing a lot of drain water may lead to the malfunction of pneumatic devices.

3. Types of Air

- (1) Do not use compressed air that contains salt, synthetic oil, etc. composed of corrosive gas, chemical agent or organic solvent.
Otherwise, it may cause damage or malfunction.

⚠️ 〈Caution〉

1. Use of Clean Air

- (1) Use clean air by installing an appropriate provision such as air filter, aftercooler, air dryer, drain water catch or the like.

2. Use fluid within specified temperature range.

- (1) Gasket packing may be damaged and malfunction may be caused, if water freezes in a circuit.