

What causes water leaks?

When installing a POU water cooler, a leak is the last thing you want to happen. Leaks can be costly, dangerous and time consuming, so avoiding them should be a main priority for engineers. But what actually causes leaks?

Water leaks are usually the result of:

1. Poor plumbing connection to the mains.
2. Leaking push-fit connections and/or pipes.
3. Leaking from inside the cooler. (Internal leaking)

Our POU installation rail

Connecting a POU water cooler to the mains supply requires the use of an installation rail. Our installation kit is highly recommended and includes everything you or your engineers would need to safely install a POU dispenser. Our installation rail consists of copper compression fittings, non-return valve with isolating tap, pressure regulating valve and waterblock. To make things easier, we factory set our pressure regulator valve to between 2.5bar and 3bar.

Watch our short video for step by step instructions on how to professionally install a POU cooler.



POU installation tips

When installing a POU dispensing machine, there are some factors that require careful consideration in order to minimise the risk of leaks.

Water pressure

As you may know, water pressure is measured in bar, with influent mains water pressure typically being no less than 2bar. However, there are additional factors at each site that can negatively impact the pressure.

For example, in high rise buildings, a water pump is needed in order to ensure a sufficient flow rate on the top floors. However, the water pressure could surge during extended periods where no water is being drawn off. This pressure build up can 'blow' pushfit connections causing leaks. To combat this and similar pressure related issues, you will need to connect a pressure reducing valve to your installation rails.

When NOT to install

We believe it is important to consider the date when installing a POU water dispenser. You should not install on a Friday or any day where the customers site will be empty the next day. This is because a small leak left unattended over a weekend or similar period could be catastrophic. Always allow time for your installer to check for potential leaks after completing an installation. If you don't already have one, we suggest creating an installation check list.

Flood Prevention

Some of our coolers have a flood guard valve, which is installed at the mains connection point to the cooler. When a cooler is not in use, the valve is shut, stopping water from flowing into the cooler. When water is being withdrawn from the cooler via the taps, the valve opens. This allows the coolers tank to refill with mains water, ready for the next dispense. In doing this, any leaks that occur inside the cooler are therefore limited to the amount of water in the tank.

