

What causes low water pressure?

Low water pressure is a common problem that affects most water dispensers. Low water pressure in coolers and other dispensing machines often results in a slow dispense rate which can negatively impact user experience. Unfortunately, there are a number of factors to consider when installing your equipment in order to avoid low water pressure. Common causes include clogged filters, sediment build up in water pipes, leaking components and long runs of 1/4" poly pipes.

What can be done?

There are a number of solutions / best practices that we recommend when installing any water dispensing machine.

Limit pipe length

The first thing we suggest is ensuring that you limit runs of 1/4" pipe to no more than 5 meters. Shortening the distance the water travels can help maintain pressure. Long pipe runs, especially if narrow in diameter, can reduce pressure due to friction loss and changes in elevation.

Maximum 5m



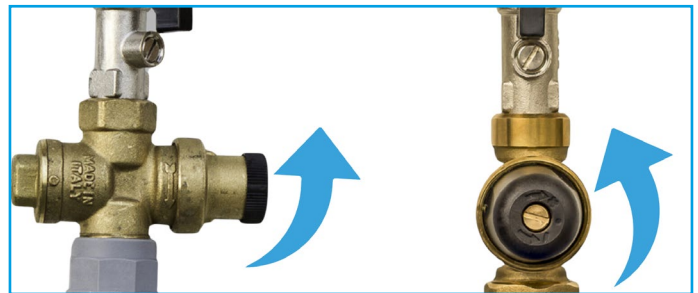
Use the right filter

While a carbon block filter candle works well, switching to a nanofilter candle will help maintain water pressure. The nanofilters design allows it to effectively remove bacteria and other contaminants, even in mineral-rich areas. Watch our flow rate demonstration in the video below.



Pressure regulator

When you purchase one of our installation rail kits, you receive all the fixtures and fittings which includes a pressure regulator. Opening the pressure regulator will help you to manage and stabilise influent water pressure. Before opening the regulator, please ensure that all push fit connections are secure.



Cosmetal coolers

We supply a range of high output machines from Cosmetal. These coolers use larger diameter pipes (8mm), which means they are naturally less susceptible to low water pressure. To help make things easier, we supply a high output installation rail kit (PFRAILKITCOS), which provides the necessary 8mm connections and a length of 8mm pipe.

Depending on the overall site water pressure, an installing engineer may be able to use a standard 1/4" installation rail. However, if the water flow rate is too low, they should refer back to the previous steps in this issue. If the flow rate is still not acceptable, the only option would be to use an 8mm installation rail kit.



Important notice

Low water pressure can be a sign that the supply is not mains water, which could mean the water comes from an overhead tank. It may, therefore, not be safe drinking water; making it unfit for human consumption. If you suspect this to be the case, please check with building maintenance.