

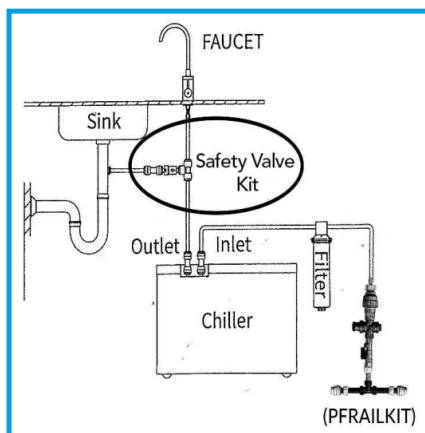
Pressure build-up

Undersink chillers are devices designed to regulate the temperature of drinking water. Similar to certain direct-chill water coolers, they rely on a sealed chilling tank to reach the desired temperature. As chilling occurs, ice gradually accumulates inside the tank. Over time, the ice volume grows beyond the water volume it displaces, increasing pressure within the tank and along the water line. In extreme cases, this pressure buildup can cause bursts and potentially lead to flooding.



Pressure relief

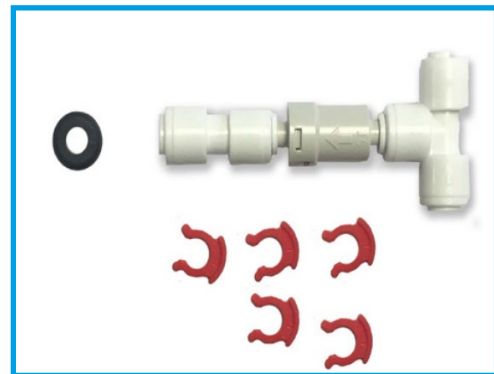
To avoid any faults and to keep your machines performing at their optimum, it is important to resolve the issue of pressure build up. In water coolers, this can be easily done by venting into the drip tray. However, undersink chillers do not have a drip tray, so the pressure needs to be relieved in a different way. The only way to deal with the pressure is to use a safety valve kit (SVKIT). An SVKIT allows the undersink unit to vent the pressure into a sink drain or a waste container.



How to install an SVKIT

With every UC800M undersink chiller, we supply an SVKIT and a set of installation instructions to help you and your engineers. Please refer to these instructions to ensure you're installing your undersink chillers correctly to avoid any mishaps further down the line. Setting up an SVKIT is relatively straight-forward, but how should you install them?

1. The SVKIT should be installed between the outlet of the chiller and the tap.
2. Using a 9.5mm drill bit, drill a hole in the side of the plastic sink waste drain.
3. Fit a grommet into the drilled hole.
4. Push a John Guest 1/4" pipe from the safety valve outlet to the grommet into the sink waste drain.
5. If there is no sink waste drain available, we suggest connecting the pipe to an overflow container that should be checked periodically and emptied.
6. The SVKIT does not include a 1/4" drain pipe which connects the SVKIT to the waste outlet (a quantity of pipe is supplied with the UC800M equipment).



Our undersink chillers

In this issue we have used our UC800M undersink chiller as a reference point. But we also supply a range of high output Cosmetal undersink chillers. If you want to browse our full range, or find out more about our UC800M, then use the button below.

