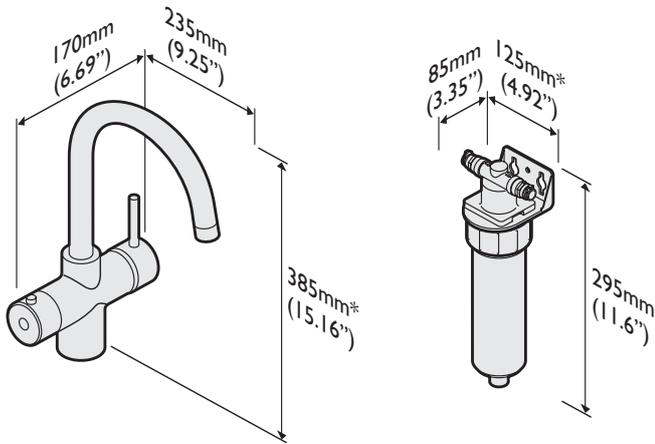
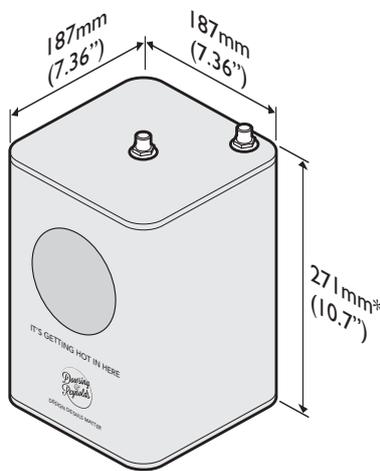


The main items in your kit

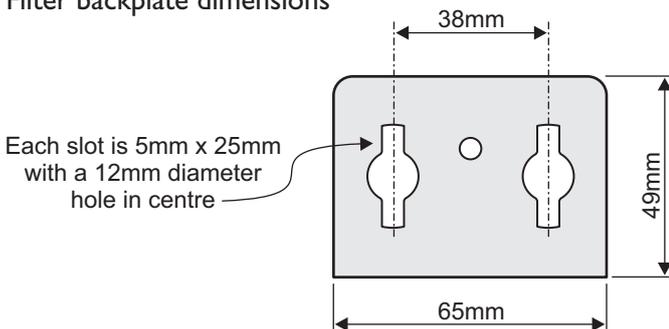
Your 3-in-1 mixer tap system comprises three main items which need to be positioned close to each other: The tap itself, the filter and the boiling water tank. The supplied pipes are all just over 600mm (24") in length and the dimensions of the main items are as follows:



- The filter should be mounted on one of the walls of your kitchen sink unit.
- The tank is best placed on the floor of the sink unit.
- The dimensions marked with * will be extended by the connection of pipes; you need to leave extra space for those.



Filter backplate dimensions



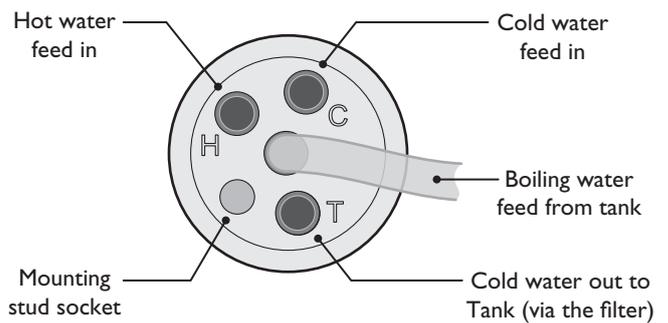
To install your system

1 Locate three of the four braided pipes supplied with your kit. The three you initially need all have one end which looks like this:



Two of these pipes have colours running through their braids. The blue one is to be your cold water feed pipe while the red one will connect to your existing hot water feed (from your domestic boiler).

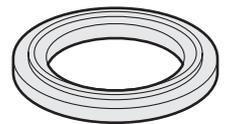
2 You need to insert these three pipes into the base of your tap. There are four threaded holes, three of these are for the pipes and are marked with letters. The fourth is for the supplied mounting stud. Carefully screw each of the pipes into their respective holes: The blue pipe into **C**, the red pipe into **H** and the plain pipe into **T**.



The job is made slightly more difficult because the holes are recessed 45mm into the base of the tap. Take great care to ensure that each pipe goes into its hole straight, not at an angle, so that you do not damage their threads as you screw them in. When you are sure that each pipe has engaged correctly with its hole, begin turning the pipe clockwise. As they tighten, turn them as hard as possible to ensure they make a good watertight seal with the tap.

3 Locate the threaded stud. It has a long thread at one end and a short one at the other. The short thread needs to be screwed into the remaining hole in the underside of the tap. Use a flat blade screwdriver to tighten it.

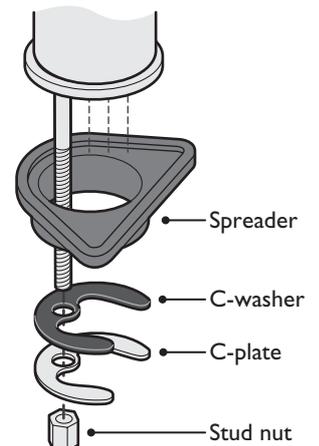
4 Locate the base ring of the tap and the black rubber seal. Fit the seal into the groove on the underside of the ring and then feed the pipes through this ring and place it onto the base of the tap.



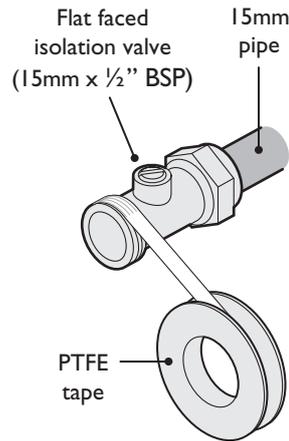
5 You are now ready to mount the tap onto your sink.

Thread the pipes through the mounting hole of your sink and position the tap so that the larger of its two controls is on the right hand side and the spout is over your sink.

6 Locate the items that will be used to secure the tap. Underneath your sink, thread the pipes through the spreader and then add the C-washer and C-plate onto the stud, followed by the nut. Ensure that the spreader is correctly positioned on the underside of the sink and that the C-washer/plate are in place on the underside of the spreader; then tighten the nut.

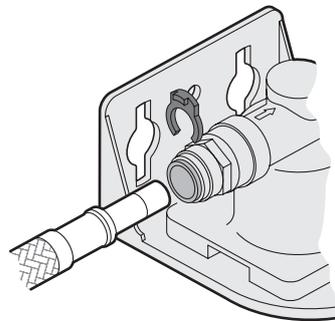


7 Connect the red and blue pipes to the incoming hot and cold supplies respectively. Both of these pipes have a ½" BSP (British Standard Pipe) connector which can mate directly with standard plumbing fixtures, such as isolation valves, which are commonly used to terminate incoming water supplies.



The connectors used on the pipes have rubber seals that will mate with the flat face of isolation valves. As an extra precaution against leaks, we suggest that you place a single wrap of PTFE tape around the thread of each isolator - but ensure that the tape does not go onto the flat front face.

8 The third braided pipe from the tap feeds cold water to the filter. Remove the blue clip from the inlet side of the filter housing and push the outer part of that inlet inwards. Now push the braided pipe from the tap into the inlet hole as far as it will go. With the pipe in place, slide the outer part out so that the clip can be replaced - this will lock the pipe in place.

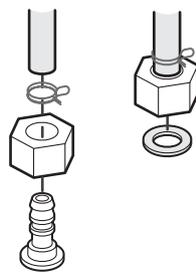


9 Locate the last of the supplied braided pipes and repeat the actions of the previous step to secure it in place within the outlet side of the filter housing.

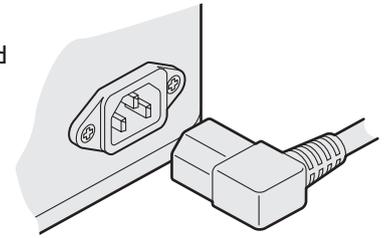
10 The outlet pipe from the filter needs to be fed to the blue inlet of the boiling water tank. As in step 7 above, the pipe connector has a rubber seal, but we recommend that you also place a wrap of PTFE tape around the thread of the inlet on the tank. Tighten the pipe's connector onto the tank inlet.

11 You now need to construct the connector on the silicone pipe that will feed boiling water from the tank to the tap. If you need to cut the pipe to length then do so (after careful consideration and measuring twice) with a sharp pair of scissors.

12 Locate the supplied connector kit and place the spring clip about 50mm (2") up the pipe, to secure it out of the way. Now push the metal insert through the nut and then push it fully into the silicone pipe. Using a pair of pliers, squeeze the legs of the spring clip to open it to its fullest diameter. Move the spring clip down the pipe so that it comes to rest over the metal insert, thus ensuring a completely water-tight seal. Place the red washer into the end of the nut. This connector assembly is now ready to be attached to the red outlet of the tank. As in step 7 above, apply a wrap of PTFE tape around the outlet of the tank. Ensure that the red washer is correctly in place and tighten the nut of your connector assembly onto the tank outlet.

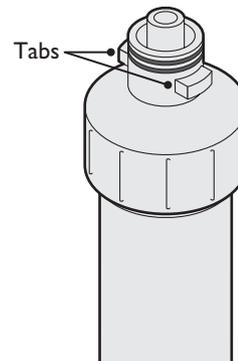
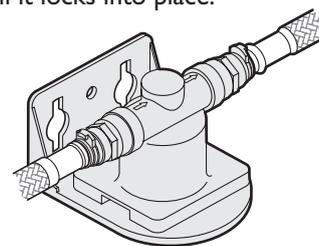
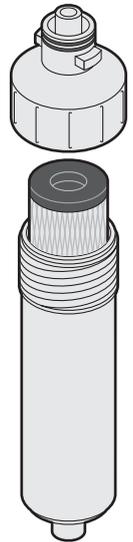


13 On the rear of the tank, insert the supplied mains lead into the socket. The other end of the lead will eventually need to be plugged into a 13A socket. However for now:



IMPORTANT: DO NOT SWITCH ON THE POWER

14 You now need to place the filter cartridge within the filter housing. Remove the cylindrical cartridge housing by twisting it anti-clockwise until it disengages. Open the housing by unscrewing the top section. Remove the plastic wrapping from the supplied filter and place it into the housing so that its centre hole is uppermost (and visible once it is placed in). Screw the top section of the filter housing back on and then place the housing back into the filter mount. Orientate the filter housing so that the two tabs are perpendicular to the inlet and outlet hoses; push it into the mount and twist clockwise a quarter turn until it locks into place.



15 You are now ready to fill the system with water. Open the cold feed isolator and let the water begin to fill the filter and tank. Open the boiling water tap (press the small button and rotate the knob towards you) to allow the tank to completely fill and expel all of the air - this should take a couple of minutes.

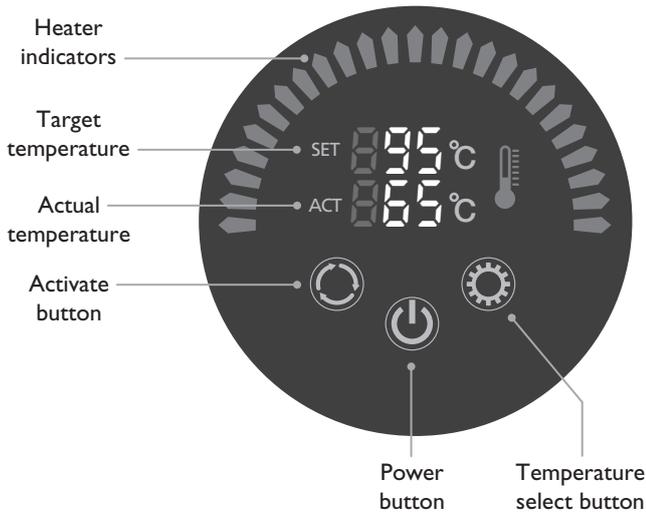
While the system is filling, keep checking all joints for leaks. If you spot any problem, turn off the isolator immediately and investigate further.

16 When the tank is full, close the boiling water tap. Momentarily open the cold water tap to ensure all air is fully expelled from that side of the system. Now repeat with the hot water side: Open the hot feed isolator and then open the hot water tap to allow the water to flow through.

17 Once the system is fully charged with water you can now apply power. See next page.

Switching on and setting the temperature

When you apply power to the tank, the  symbol will flash. Press and hold the  button to activate the boiler. The remainder of the display will light up:



The display will clearly show the current temperature of the water using the ACT (*actual*) digits as well as the target temperature setting using the SET digits.

To change the target temperature

1 Press the  button to change the temperature shown by the SET digits. With each press of the button, the temperature shown will move through the following options:

45, 55, 65, 75, 85, 90, 95, 96, 97 and 98°C

When you reach 98°C, a further press of the  button will return the target temperature to 45°C.

2 When the appropriate temperature is shown by the SET digits, press the  button to activate it. The red heater indicators around the top edge of the display will momentarily chase to show the boiler is operating to reach your new target temperature.

The tank will continue to keep its reservoir of water at the selected temperature.

To switch off

- Press and hold the  button.

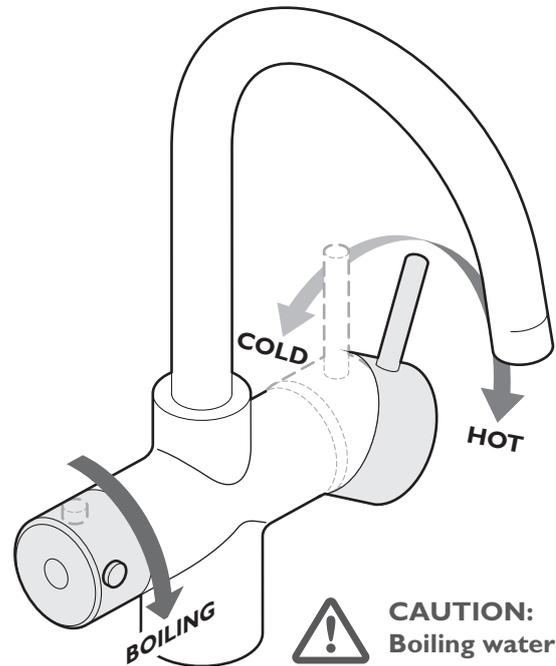
Error message

The tank has internal sensors to monitor conditions. If any problem is detected, the heater will be switched off and the display will show . Check all items, particularly the water supply to the tank (via the filter).

Operating your 3-in-1 mixer tap

Your mixer tap provides water at three temperatures: Cold, hot and boiling.

The cold and hot are controlled using the lever on the right hand side: Pull it out to regulate the flow; rotate it forward and back to regulate the temperature.



The boiling water is controlled using the knob on the left hand side. Depress the safety button and rotate it forward to regulate the flow. To guard against scalding, always place the tap spout into your receptacle first and then slowly turn the knob to ensure a gradual increase in flow.

Your mixer tap provides boiling water in a safe manner, however, injury can result if it is used incorrectly. You must ensure that children and other potentially vulnerable users are clearly instructed about its safe use.

Care of your tap

Clean your tap only with a soft damp cloth. Mild liquid detergent could be used where necessary, but never use abrasive, acidic or solvent-based cleaners.

Otherwise, always ensure that the filter is changed every 3-6 months or after roughly 2000 litres have passed through. Contact Dowsing & Reynolds for replacement filters and instructions.