

## HOW TO FIX STROM BOILERS

We would not recommend using pipe wrenches or unsuitable tools that may cause damages or leaks, open ended adjustable spanners would be ideal, we would typically recommend high temperature flexi hoses or anything with flat rubber washes.

We have known installers use tap connectors but as the boiler can output a temperature of 80oC plus, whatever is used should be able to withstand high temperatures.

The connections on the bottom of the boiler are ½" & ¾" BSP male except for the PRV which is a hose connector, removing the hose connector would reveal ½" female thread.

There is not a special installation kit, the connections on the boiler are not compression connections so compression connections should not be used as these could cause damages or leaks.

**Heating Flow** - ¾" male to 22mm pipe – suitable diameter service valves should be installed at the flow and return to allow the boiler to be isolated for maintenance without having to drain the entire system.

**Pressure Relief Port** - Comes with a barb fitting – recommended to removal of barb fitting/hose connector which would expose ½" female connection, typically would expect installer to connect 15mm copper pipe to the drain point of the installers choosing (tundish is optional).

**Heating System Replenishing Valve (Filling Point)** - ½" male – typically, this is where it is best to connect your filling loop but this is to the installers discretion. Some installers would connect their filling loop onto the return pipework instead of the cold water inlet. If you wish to do this, then connecting to the water replenishing valve is not necessary. It is important to recognise that the water replenishing valve itself cannot be considered as a filling loop. Whilst, it does have an isolating valve, regulations require here to also be a non-return valve to prevent cross contamination of water. As the water replenishing valve has an isolating valve, this is sufficed for holding the water in the system so there is no need for capping off this connection. Alternately, the system can be filled with water by connecting a t pipe to the cold main inlet.

**Backwater Inlet (Heating return)** - ¾" male – suitable diameter service valves should be installed at the flow and return to allow the boiler to be isolated for maintenance without having to drain the entire system.

**Cold Water Inlet** - ½" connection to 15mm pipe with service valve on the inlet for flow restriction.

**Hot Water Outlet** - ½" connection to 15mm pipe with service valve on the inlet for flow restriction.