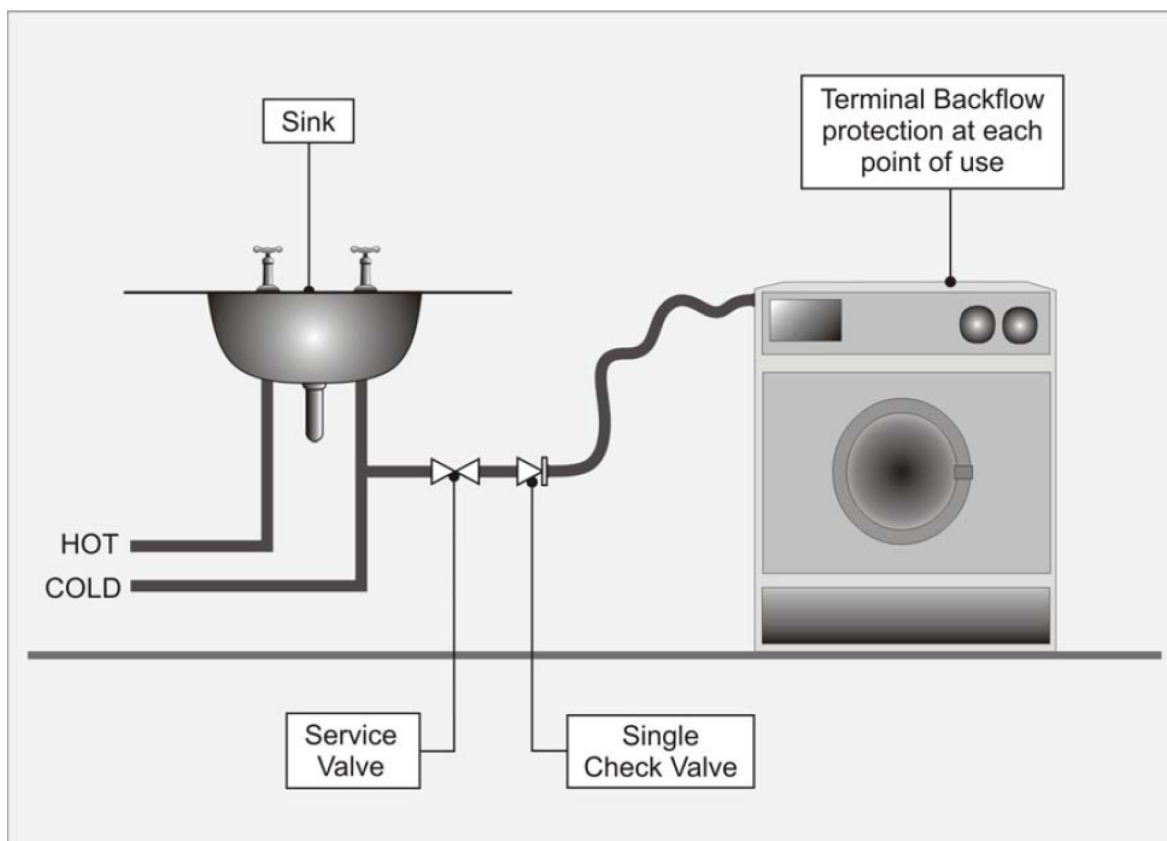


### Flexible hose connections to appliances

Flexible hoses connecting appliances to the water supply system are a frequent cause of unacceptable taste in drinking water, due to water in the hose becoming contaminated by organic chemicals leached from it. Water can move from the hose into the pipe supplying the drinking water tap as a result of pressure fluctuations or diffusion.

Both hot and cold water pipes must be protected with a fluid category 2 device, such as a single check valve, at the point of connection of the hose to the supplying pipework.



Typical installation

Connection hoses approved by WRAS from October 2001 should not give rise to this problem and where possible should be used.

The risk of contamination by backflow from the appliance must also be considered. Some appliances may have built in protection; these will not require an additional device to be installed. However those without inbuilt protection must have the appropriate backflow protection device installed externally according to the level of risk.