

CUSTOMER INFORMATION

TEMPERING VALVE



WHY DO I NEED A TEMPERING VALVE FITTED?

- ✓ Tempering Valves control Temperature.
- ✓ These valves make water safe in your home
- ✓ They protect the family and guests home
- ✓ They are a legal requirement with any hotwater service

Q. WHAT IS A TEMPERING VALVE?

A tempering valve is a valve that prevents burn injuries. It works by controlling the temperature that supplies your tapware. It reduces the temperature to a safe temperature (below 50°C).

Q. WHY IS A TEMPERING VALVE SO IMPORTANT?

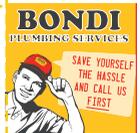
If you have small children we cannot stress how important it is to install a tempering valve. Over 80% of scalds and burns requiring admission to hospital are caused by hot water and are caused primarily from immersion in baths containing water heated to unsafe temperatures or as a result of young children turning on hot taps whilst bathing. Unlike adults, young children and infants burn more easily and do not have the understanding to pull away so burns can be much worse and the severity caused can boil down to just fractions of seconds. As professionals, it is our duty to provide this health and safety data:

- ✓ Water at 65°C produces a full thickness burn in less than a second of exposure.
- ✓ Water at 60°C produces a full thickness burn in around five seconds of exposure.
- ✓ Water at 55°C produces a full thickness burn in around thirty seconds of exposure.
- ✓ With water at 50°C, five minutes exposure would be required to produce a full thickness burn.

Q. HOW DO I KNOW IF MY WATER IS SAFE?

If your hot water is hot enough to scald, we cannot stress how important it is to have a tempering valve installed on your system. You cannot simply turn the heater down or you will breed Legionella. The tank must stay hot (above 65°C), but the water coming out must be tempered down. If you are not sure of your water safety then our plumber can check it is safe free of charge when he is carrying out a service in your home.

For more information please go to our website:
www.bondiplumbing.com.au



CUSTOMER INFORMATION

PRESSURE LIMITING VALVE

Q. WHY DO I HAVE TO HAVE ONE FITTED?

The installation of tempering valves is compulsory on all new hot water installations, or extensions to existing pipework. If your hot water heater is being replaced then it must be tempered by law. No exceptions. This is a very important safety message, not a “sell job”. You should be suspicious of any plumber that does not insist on installing a tempering valve with a new heater, it shows that he is not aware of the current law and doesn't consider safety an important issue.

Q. HOW OFTEN DO I NEED TO REPLACE IT?

A tempering valve has on average a 5yr lifespan. We recommend replacement after 5 yrs or when you notice a problem. If the safety valve fails to operate it is to be replaced. Many of the instantaneous hot water systems on the market can now be purchased with an inbuilt preset temperature which does not require an extra tempering valve to be fitted.

PRESSURE LIMITING VALVES

Q. WHAT IS A PRESSURE LIMITING VALVE?

Sydney water pressure is very varied. The valve will control the supply water pressure to a static level and safe working pressure for household fittings and appliances. Most new homes are now built with pressure limiting valves as standard however most older homes do not have these fitted.

Q. WHY SHOULD I HAVE A PRESSURE LIMITING VALVE FITTED?

Household fixtures and systems are not built to withstand high pressure. It is comparable to high blood pressure in humans. By putting unnecessary stress on pipes and valves, the high pressure will reduce the life expectancy of products and cause taps to leak and pipes to burst. Many items such as tapware and hot water systems have warranties that are void if there is no limiting valve fitted.

Another benefit to having a pressure limiting valve fitted means that your shower temperature and pressure will not be affected when other appliances in the home are turned on and off. This means no cold or hot shocks in the shower which can actually be dangerous for young children especially if a tempering valve is not fitted.

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