**POTENTIAL HAZARD - HOT WATER BOILERS AND HOT WATER TANKS**

Both hot water heating boilers and hot water tanks are capable of exploding. During normal operation both are essentially full of water, and contain no steam. However, when control and safety devices fail to work effectively, temperature and pressure will increase and may eventually rupture the weakest part of the vessel. As the vessel ruptures, the water violently turns to steam. As an example, a 30 gallon (136L) fired hot water tank which is average for a small business or household, usually operates at 40 psig (276Kpa) and is designed with a bursting pressure of approximately 250 psig (l724Kpa) at 406蚌 (208蚓). When the vessel reaches the bursting pressure, it would theoretically have enough energy to hurl a l000lb (454kg) projectile several miles. Please test the Safety relief valve on your hot water tank regularly, just lift the lever briefly allowing the water to flow release the quickly to reset the valve.