LEADERS IN GAS WATER HEATING

QUICK REFERENCE INSTALLATION GUIDE

Please pass on the following information to Installers of Paloma Water Heaters to ensure correct Installation

1. Paloma Water Heaters must be installed with 48kg cylinders (coastal applications where 48kg cylinders cannot be used, 19kg cylinders may work for Paloma 20l/m units ONLY - gas pipe size must be increased to achieve sufficient gas volume)
2. 12:16 PEX pipe **should not** be used EXCEPT where High Pressure-Low Pressure gas installation has been specified and correctly calculated, minimum ¾" gas supply required (pipe charts to be consulted). If HP-LP system installed, minimum 600mm length of ¾" pipe to be used from LP regulator to unit.
3. Good quality outdoor vented regulator to be installed. We recommend 10kg/hr or MEC 2-stage regulators
4. Installers must have a gas gauge to test and set regulator on gas system. Static approx.3,0kpa, operating pressure 2.7kpa (LPG units)
5. Borehole water can cause damage to Gas Water Heaters. Proper testing/filtration/water softener system must be installed and monitored. Borehole water minerals can cause accumulation of lime-scale in heat exchanger. Regular flushing should take place to avoid rupture of heat exchanger *(NB – warranty invalidated when used on borehole or rainwater systems)*

Location

1. Unit should be positioned to ensure efficient delivery of hot water to taps
2. Position to comply with gas regulations
3. Unit must be located outdoors in a well ventilated area, ***no obstruction of flue exit within 1,5m***
4. Air intake at bottom of unit must be clear from obstruction and in area where little dust etc. can enter unit

LPG Gas Installations

1. 48kg cylinders to be used (coastal applications 19kg cylinders may be used for Paloma 20l/m units but gas pipe size must be increased to ensure good gas volume is achieved)
2. Minimum ¾" (DN20) Gas piping from regulator to cylinders (pipe charts to be consulted)
3. 12:16 PEX pipe **should not** be used EXCEPT where High Pressure-Low Pressure gas installation has been specified and correctly calculated, minimum ¾" gas supply required (pipe charts to be consulted)
4. Check static and operating pressures as outlined above

Natural Gas Installations

1. Minimum ¾" (DN20) gas supply line to unit, fed from same or larger gas pipe
2. Check static and operating pressures as outlined above

Plumbing Installations

1. 80kpa minimum to 600kpa maximum water pressure to be supplied to unit
2. Recommended ¾" (DN20) water piping. *n.b.* – ½" (DN15) is sufficient where good water pressure is supplied.
3. It is recommended that a non-Return valve be installed on the hot water outlet of the unit
4. A water shut-off valve must be installed on the cold water inlet, recommended use of conex fittings onto unit
6. For solar-boost or circulating systems, return water of not more than 75 degrees C should enter the Paloma unit, no controllers to be connected
7. All filters, including tap filters should be cleaned regularly for optimal performance. An in-line strainer should be fitted to the cold water supply pipe.
8. Cold water supply should be as direct from source as possible and balanced pressure where able. This is to eliminate supply pressure reduction on Paloma units when using other non-hot water outlets

FOR FURTHER DETAILED INSTRUCTIONS PLEASE REFER TO USER MANUAL INCLUDED WITH UNIT