

PYRO MINI

WETBACK INSTRUCTIONS 2017

THIS DOCUMENT MUST BE READ BY PLUMBER

PLEASE NOTE: Pyro Fires and ANY OF THEIR PERSONNEL WILL NOT CARRY ANY LIABILITY FOR

DAMAGE CAUSED THROUGH:

- **INCORRECT INSTALLATION** - Care should be taken to see that no air traps can exist in both the unit or the circuitry **ALL CIRCUIT DROPS MUST BE VENTED**
- **INSTALLATIONS IN UNACCEPTABLE OR CORROSIVE WATER (e.g. LIME – IRON – etc.)**. Care must be taken to protect the **Wetback** element and associated pipework if being installed in a hard/corrosive water area. Damage caused to the Wetback element if fitted in a hard/corrosive water area will not be covered under the manufacturer's warranty
- **DAMAGE CAUSED THROUGH MALTREATMENT OF THE UNIT**

Care **MUST** be taken during installation.

DO NOT OVERTIGHTEN BRASS BACKNUTS - expansion/contraction could split the thread if it's too tight, creating a leak.

Only the correct size threaded nut type fittings must be used when attaching this wetback to the water pipes, the use of any form of soldering or brazing to connect the wetback will render the Warranty invalid and void.

FITTING THE WETBACK

1. Ensure equal lengths of brass socket are extended out through back wall.
2. Ensure there is no Kaowool/insulation blanket caught between back nut and the inside wall of fire.
3. Hand tighten outer nuts to firm touch of plate, then 1/4 turn (approx 15 to 20 Ft Lbs) is all that's required.
4. Check for rise across the entire element.

DAMAGE CAN BE CAUSED THROUGH THE ABSENCE OF WATER IN THE UNIT DURING FIRE OPERATION (Water must be in the unit prior to any fire-lighting.

Failure to do this will lead to irreparable damage/ potential explosion)

The design of this unit is protected and any unauthorized manufacture of this unit or its similarities will result in legal action.

TECHNICAL AND INSTALLATION INFORMATION FOR WATER HEATING ELEMENT

The **WATER HEATING ELEMENT** (wetback) is designed to heat water so as to save electric power costs and to provide a more efficient heating source than current boosters that are fitted to most solid fuel heating appliances at present.

The **WATER HEATING ELEMENT** (wetback) is normally installed by plumbers, and other such qualified installers who would have a knowledge of alternative water heating systems such as wetbacks.

The **WATER HEATING ELEMENT** (wetback) has 20mm brass connecting thread – in the tradition of older wetbacks – and these act both as circuit connectors, and fire mounts.

The **WATER HEATING ELEMENT** (wetback) is designed for open vented – low pressure circuits – as is the legal requirement for all such uncontrolled water heating alternatives.

GENERAL COMMENTS

CIRCUITRY MATTERS:

1. Circuitry can be 20mm or 25mm copper tube (N.Z.S.4063:501.1).
2. All line circuitry must rise – and all dropped circuitry must be vented.
3. Attention should be paid to see that the COLD feed line does NOT have any air traps. This line is often neglected. It should have fall either way so as to encourage the release of any trapped air, and should be checked for flow rate particularly in old circuits.

The Wetback is installed through the removal of the top plate of the fire, you do not need to remove any bolts other than the blanking washers in the back plate.

The Wetback sits inside the secondary chamber of the Pyro Fire and fits into the Pyro Fire inlet and outlet ports on the back of the fire, it is imperative that the wetback is positioned correctly for optimum operation. The Wetback must rise from the cold inlet to the front and from the front rise back to the hot outlet as any departure from this could lead to inefficiencies and unwanted noise.

THE CLOSER THE DISTANCE = THE BETTER THE RESULTS

Pyro Fires and any of the personnel will not carry any liability for damage caused through:

- **INCORRECT INSTALLATION** - Care should be taken to see that no air traps can exist in both the unit or the circuitry (**ALL CIRCUIT DROPS MUST BE VENTED**).
- **INSTALLATIONS IN UNACCEPTABLE OR CORROSIVE WATER (e.g. LIME - IRON - etc.)** wetbacks should not be installed in a hard/corrosive water area. Damage caused to the wetback in this circumstance will not be covered.
- **MALTREATMENT OF THE UNIT:** Due care must be taken during installation and maintenance. E.g. cleaning firebox OR chimney sweeping.
- **ABSENCE OF WATER IN THE UNIT DURING FIRE OPERATION:** Water must be in the unit prior to ANY fire lighting, failure to ensure will lead to irreparable damage.

IMPORTANT: WETBACK WARRANTY EXTENDS TO INITIAL PLUMBING INTO SYSTEM AND FIRST PRESSURE TEST. FROM THIS MOMENT ON THE WARRANTY ENDS.