

# IMPORTANT - PLEASE READ THIS FIRST

## Quick start guide for X-Series burners

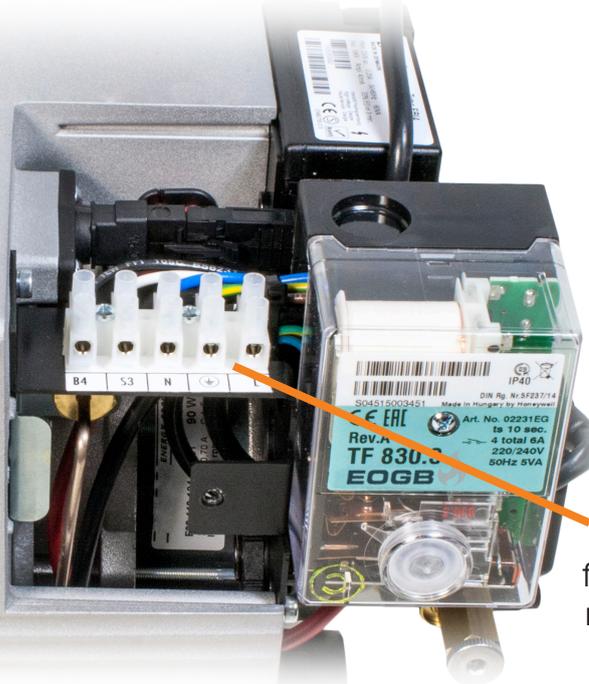
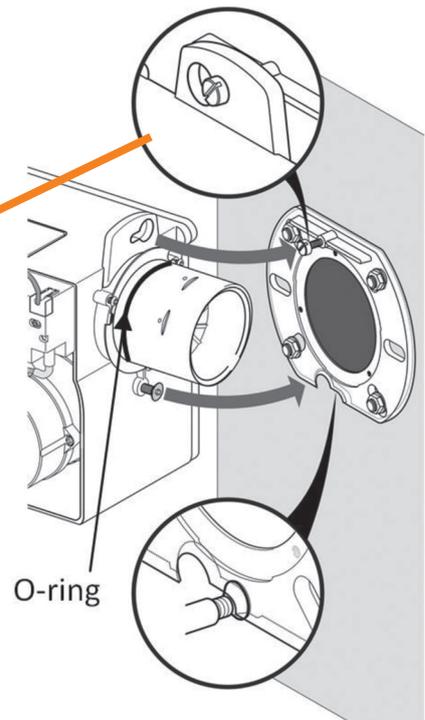
**Note: this is a quick guide listing key points and in no way substitutes the need to read the installation instructions.**

1 - Install mounting flange onto the boiler/application ensuring that the **gasket** is fitted between plate and chamber.



2 - Ensure that the supplied black 'O' ring is fitted to the blast tube.

3 - Insert the burner into the mounting flange ensuring that it is located over the stud. Then twist burner into upright position and tighten the fixing screw.



4 - Remove cover plate to left of control box for access to wiring connections (cover shown removed in picture). Install wiring as per wiring diagram found in the burner manufacturer's instructions.

5 - Connect oil flexible and check for leaks.

6 - Commission as per manufacturer's instructions.

## X-Series Air Dampers

The X400 comes fitted with the LOW output air adjuster fitted as standard. This is to be used with a burner output of up to 25kW (85,000 BTU). If you require a higher output, fit the HIGH output air adjuster.



Low output damper

The X500 comes fitted with the HIGH output air adjuster fitted as standard. This is to be used with a burner output of over 40kW (136,500 BTU). If you require a lower output, fit the LOW output air adjuster.

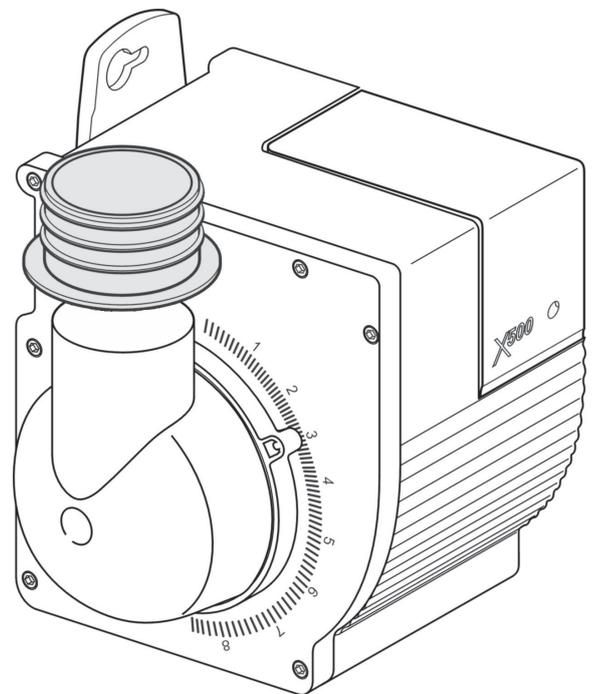


High output damper

The X400 comes with an optional balanced flue kit that allows you to convert the burners air intake to use with a balanced flue ducting.

Please ensure that the acoustic foam baffle is fitted in the correct orientation (see picture below).

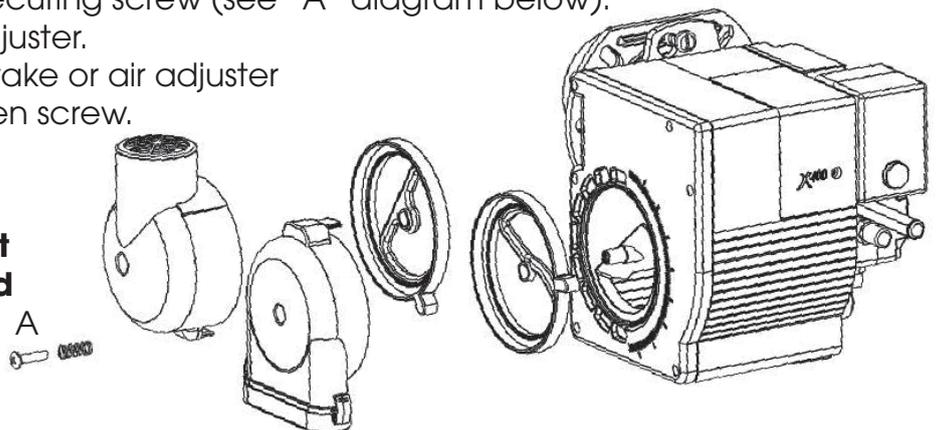
Also included in this kit is a rubber adaptor which will convert the 60mm air intake fitting to 70mm, simply place the adaptor over the air intake to fit.



To fit either the air intake or air damper,

1. Unscrew the spring loaded securing screw (see "A" diagram below).
2. Remove air intake and air adjuster.
3. Replace with preferred air intake or air adjuster
4. Re-fit the air intake and tighten screw.

**Screw "A" MUST NOT be overtightened which would prevent the air damper from being adjusted during the commissioning**

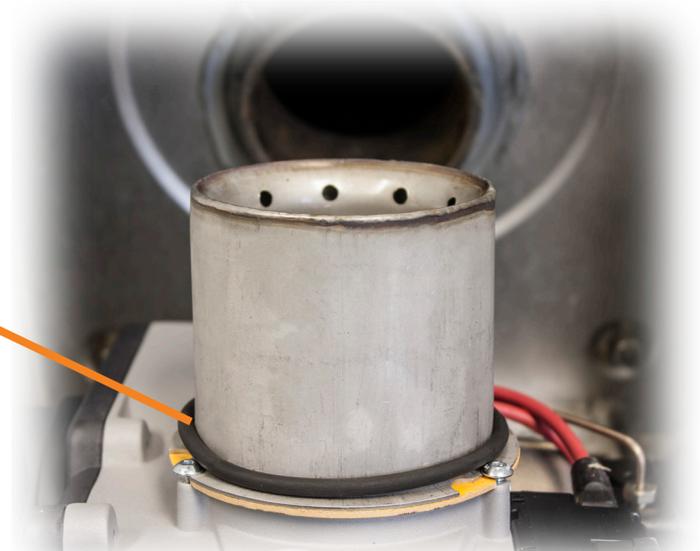


The following two pages should be used when fitting the X-Series burner to the **WORCESTER HEATSLAVE** or **DANESMORE BOILERS**

**Note: this is a quick guide listing key points and in no way substitutes the need to read the installation instructions.**

When fitting an X-Series burner to a Worcester Heatslave or Danesmore boiler, please follow these quick steps for the correct installation.

1 - When mounting the X-Series burner, ensure that the "O" ring sealing gasket that is supplied in the burners accessory pack is fitted over the burners blast tube.



2 - The standard mounting flange and gasket supplied with the burner are not required and can be discarded. When mounting the burner to the boiler, simply push the burner blast tube into the boilers pre-fabricated mounting support.

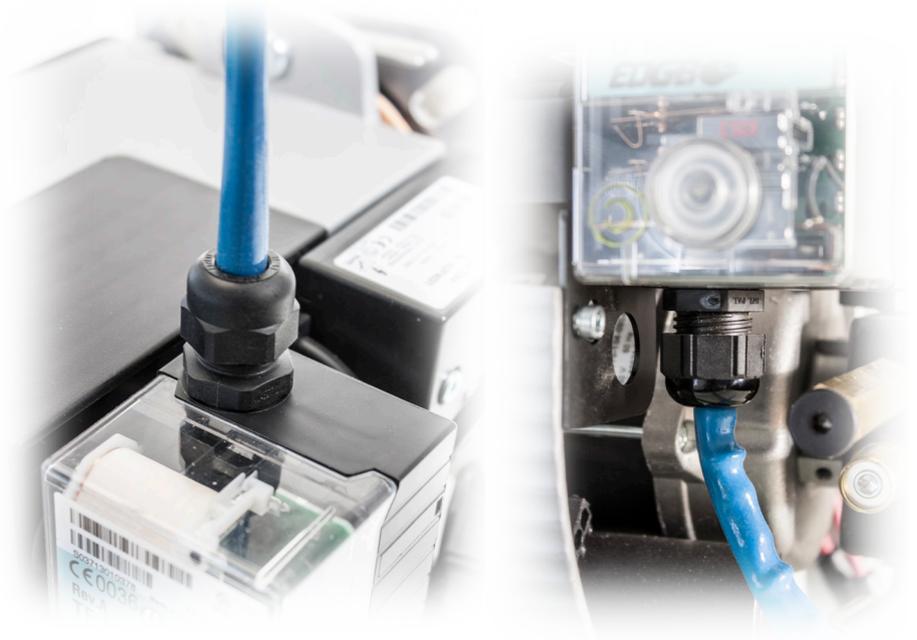
3 - Ensure the burner is pushed all the way up to the "O" ring sealing gasket, then fasten the two securing bolts down onto the blast tube.



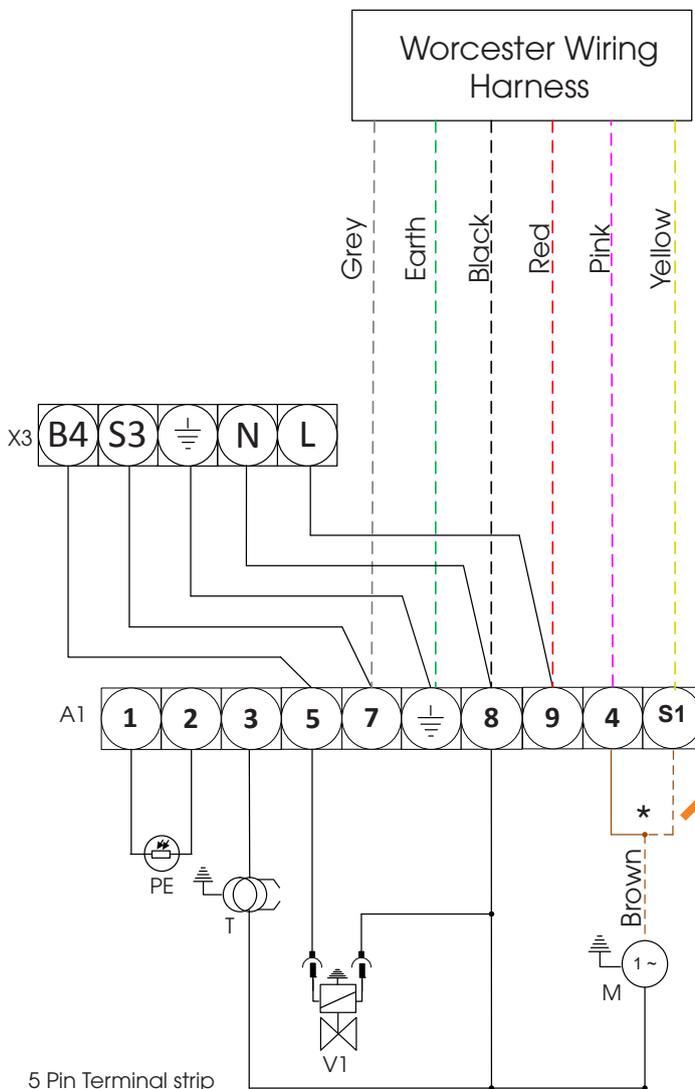
**Once the X-Series burner has been mounted correctly we can look at the wiring**

4 - Before the boiler wiring is connected, please ensure that the additional cable gland that is supplied in the accessory pack is fitted.

This cable gland can be mounted on from the top or bottom of the control box wiring base.



5 - When wiring the burner up please follow the following instructions.  
**IMPORTANT** - Please bypass the 5 pin terminal strip (X3) and wire directly into the control box wiring base (A1).



- KEY  
 X3 - 5 Pin Terminal strip  
 A1 - Control box wiring base  
 PE - Photocell  
 T - Transformer  
 V1 - Solenoid Valve  
 M - Motor

Wire as per wiring diagram.  
 Grey to Terminal 7  
 Earth to Earth Terminal  
 Black to Terminal 8 (Neutral)  
 Red to Terminal 9 (Live)  
 Pink to Terminal 4  
 Yellow to Terminal S1

\*Please remove the motor live brown wire from terminal 4 and fit into terminal S1 with the yellow wire from the Worcester.

5 - Connect oil flexible and check for leaks.

6 - Commission as per manufacturer's instructions.