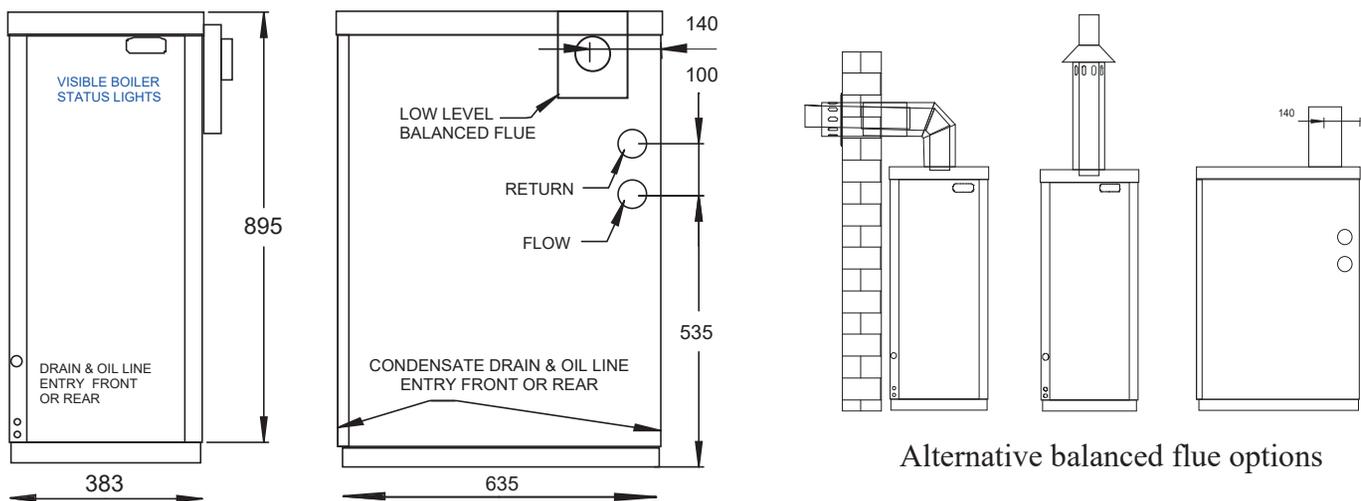


# Tuscan External Model - Installation & Service Guide - Key Points



Alternative balanced flue options

The Tuscan External boiler is unique for an external boiler in having a true “balanced flue” system, thereby maintaining clean and efficient combustion whatever prevailing site or wind conditions may be.

## 1. To remove boiler from pallet

- Remove front door panel - undo the stainless M5 cap screw, pull the bottom return flange each side to release.
- Remove two screws securing boiler to pallet located inside front door.
- Stainless base adjustment bolts are recessed into the pallet, the boiler needs lifting slightly, it will not “slide” off the pallet.

## 2. Remove the control panel.

Slacken four screws

- thermostat phials can be fitted in any pocket.
- adjustable limit thermostat set to 90°C for safety and to protect boiler, industry norm. is 110°C.

Fire valve clip

4 pin in-line mains plug & socket. (permanent live required)

## 3. Water connections.

Recommendation - seal condensate pipe work with Rectorseal Tru-blu, a non-setting sealant it doesn't dry out like glue and remains easy to dismantle.

Flow & return connections. (fittings included)

Return connection inside boiler. (fittings included)

Condensate pipe, oil line and fire valve front or rear entry options.

Condensate trap stays in situ for boiler service.

#### 4. Oil line installation

**Do not** - install a deaerator / Tigerloop.

**Do,** keep the number of joints to a minimum.

**Do,** install the paper element filter supplied; a condition of our 5 year warranty.

(We warrant all non service replacement items for 5 years providing the boiler is serviced annually.)



Paper element oil filter & 10 mm fittings supplied. (paper element provides 10 times the filtration rate of gauze filters)

Crosland style filters are available as an option.



The flexible oil, isolation valve & 10mm compression fitting come pre assembled. Burners are test fired but will need commissioning once installed.

#### 5. Flue options



Low level balanced



High level & vertical flue connection.

Vertical and high level flue systems provide greater flexibility when it comes to locating our external boiler, making them ideal for example, for installations in outbuildings as additional insulation and frost protection is already in situ.

#### 6. Boiler service

1. Remove two primary baffles & stainless steel turbulators.
2. Use a flue brush to clean tubes, debris will fall into the primary exchanger to be hoovered away.
3. Remove burner head to access service components.

