

# TECHNICAL BULLETIN

## PRODUCT: Worcester Greenstar condensing boilers

### Combined PRV & Condense drain:

#### Solution using a hotun® tundish

It is possible to combine the PRV discharge and condensate drain pipes on Worcester condensing boilers providing the following guidance is followed:

The hotun hiflo® tundish is manufactured by RA Tech UK Ltd. The guidance provided is extracted from <http://hotun.co.uk>

We would always recommend that the hotun® shield is used in conjunction with the hotun hiflo® on boiler installations.

The hotun® tundish can also be used for providing a visual indicator which will allow connection of a PRV directly into internal waste pipes or soil stacks.

Discharge pipework must be 32mm downstream of the hotun® tundish and be installed in line with the guidance provided within the boiler installation instructions.

**N.B.** The installer must be able to prove that all pipework from the boiler PRV to the tundish, the universal “T” fitting and all downstream pipework (including the soil stack) shall be capable of withstanding short term high limit temperatures expected to be discharged from the PRV. It is for this reason that RA Tech UK Ltd recommend that only temperature rated waste and soil pipe fittings and pipework are used; for instance HDPE or polypropylene.

Detailed guidance, specification & installation instructions can be found on the hotun® website.

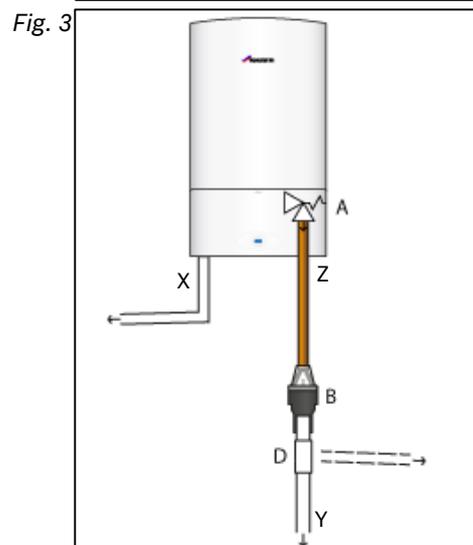
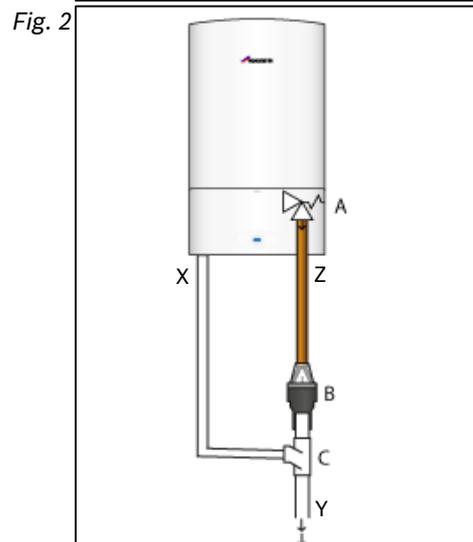
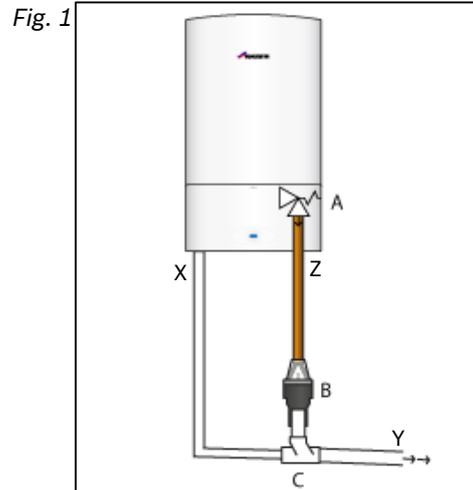
#### Example Installations

Fig. 1, 2 & 3 are diagrams detailing how the proposed solution should be installed in order to comply.

- ▶ Fig. 1: Combined Horizontal discharge
- ▶ Fig. 2: Combined Vertical discharge
- ▶ Fig. 3: Condense & PRV to separate waste

#### Key:

- A) Boiler PRV
- B) hotun® tundish & hotun® shield
- C) Universal 32mm Swept Tee with 22mm reducer
- D) Vertical/Horizontal 32mm PRV Discharge to waste
- X) 21.5mm condensate drain pipe
- Y) 32mm temperature-rated waste pipe to drain
- Z) 15mm copper pipe



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