WORCESTER
Bosch Group

Condensate Drainage Pipework

For full details see appliance Installation Instructions.

BS 6798:2014 — ***'Specification for selection, installation, inspection, commissioning, servicing and maintenance of gas-fired boilers of rated input not exceeding 70 kW net'***
Gives more information about routing.

For correct installation and trouble free operation of the appliance the following advice should be followed:

1. All condensate pipework must 'fall' from the boiler by a minimum of 3 degrees (52mm per metre).
2. The pipework must allow air to be supplied back to the appliance for correct operation of the siphon.
3. Connection to a rainwater down pipe must include an external air break.

Recommended installation methods:

1. To a soil pipe

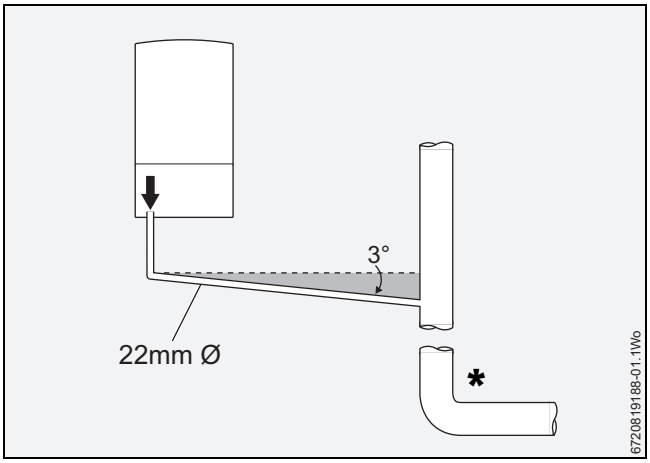

Fig. 1 To a soil pipe.

2a. To a downstream sink waste

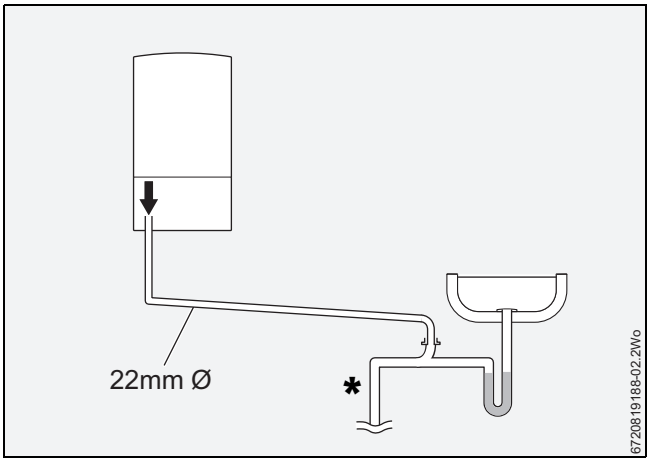

Fig. 2 To a downstream sink waste with horizontal orientation.

2b. To a downstream sink waste

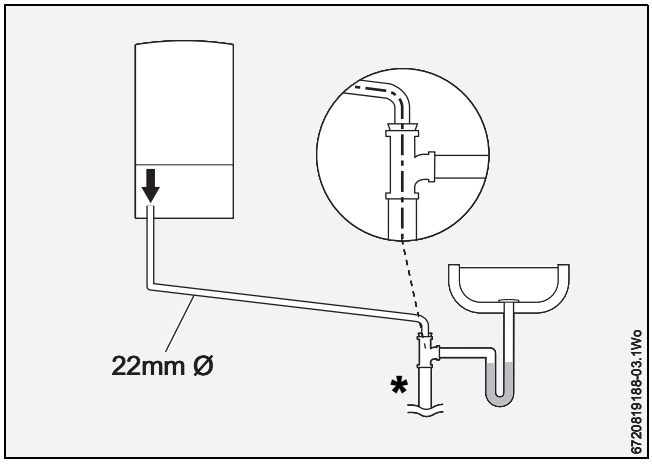

Fig. 3 To a downstream sink waste with vertical orientation,

3. To a soakaway

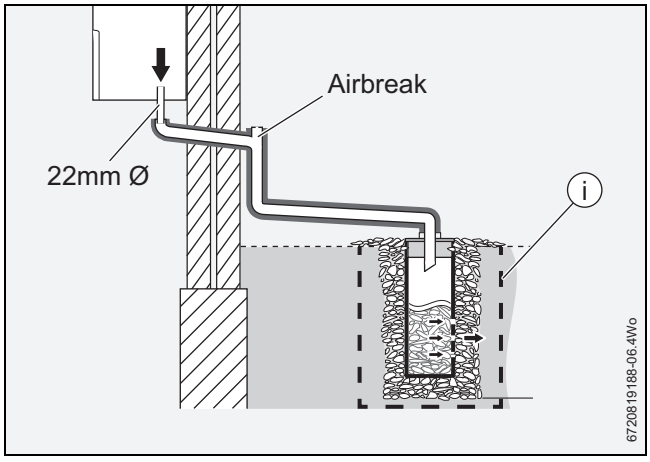

Fig. 4 To a soakaway.

i. The size of the soakaway must be increased in Clay Soil areas.

**** BLOCKAGES OF THE PROPERTY WASTE PIPEWORK AFTER THE CONDENSATE OUTLET CONNECTION MAY CAUSE THE APPLIANCE TO FAIL-SAFE AND LOCKOUT. SLOW RUNNING BLOCKAGES MAY CAUSE MULTIPLE RESET OPERATIONS.***

IN THESE SITUATIONS THE INSTALLER OR SERVICE ENGINEER MAY CHARGE FOR THE VISIT.

4. To a rainwater pipe

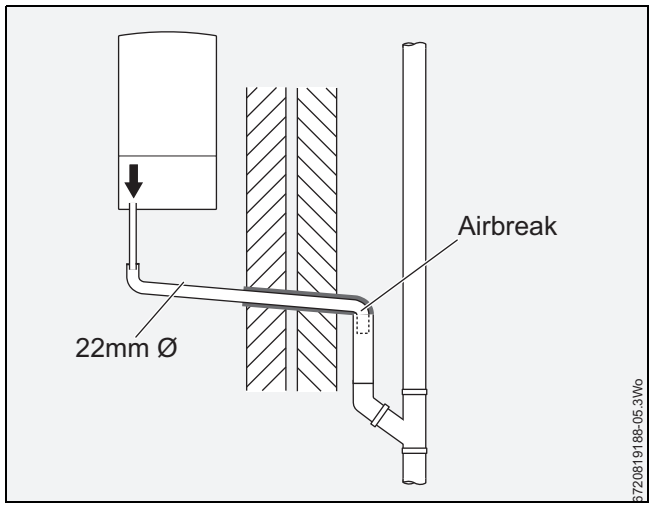

Fig. 5 To a rainwater pipe (airbreak allows air entry for siphon operation).

5. To an upstream sink waste

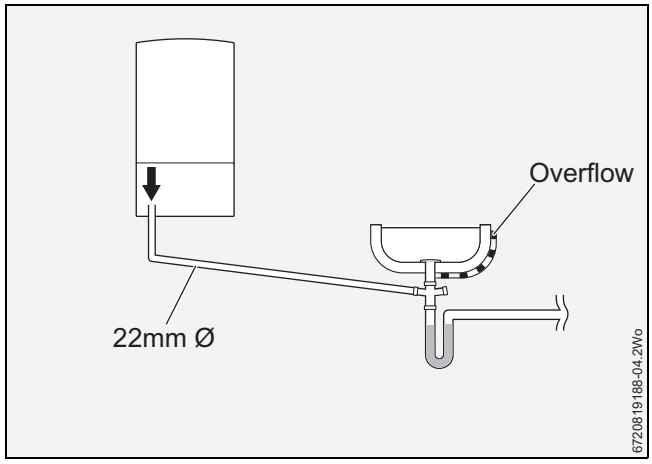

Fig. 6 Use only when a downstream connection is not possible. Risk of blockage to sink through misuse (particularly kitchen sinks).

Examples of incorrect installation practices:

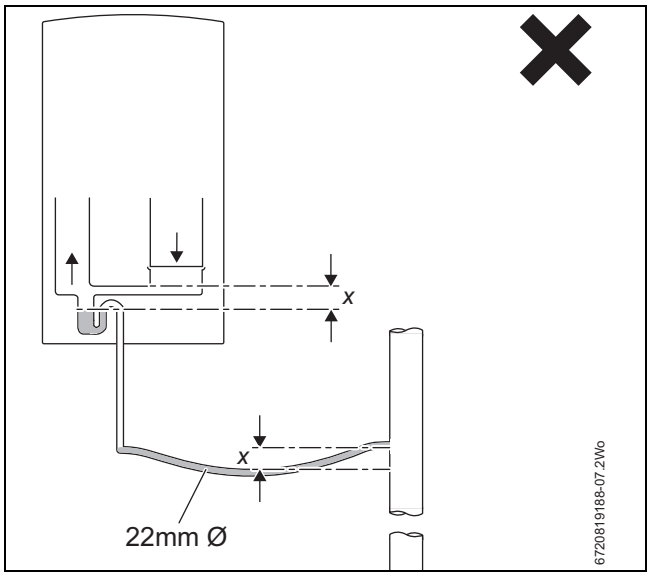

Fig. 7 Bowed pipes causing airlock preventing siphon discharge. Depth of bow 'x' will back up into appliance.

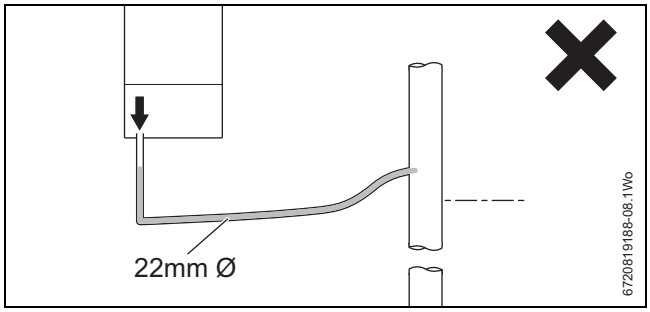

Fig. 8 Inclined run causing airlock, preventing siphon discharge.

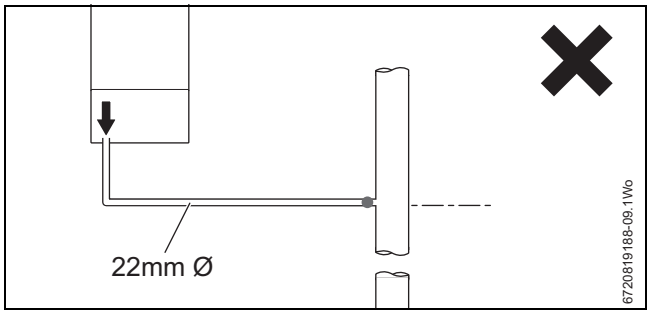

Fig. 9 No fall on pipe run (potential blockage).

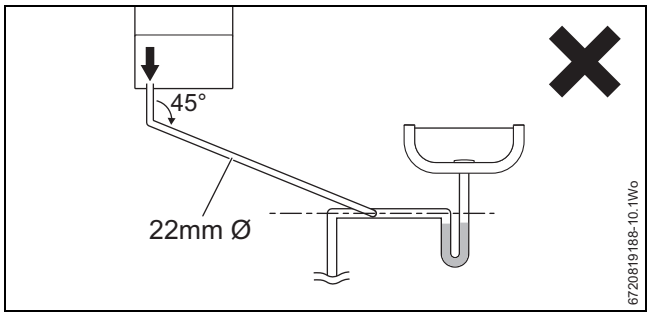

Fig. 10 Connect into the side of a sink waste (potential blockage).

WORCESTER
Bosch Group

Worcester, Bosch Group
Cotswold Way, Warndon, Worcester WR4 9SW.
Tel. 0330 123 3366
worcester-bosch.co.uk