

SOAK1GR - Soakaway for Condensate from Condensing Boilers

General

The SOAK1GR has top and side connections to accept condensate discharge pipe from above or below ground level.

The SOAK1GR should only be used if it is not practical or convenient to connect condensate discharge pipe to the soil pipe or mains drainage.

The SOAK1GR should be sited as close as possible to the boiler but clear of the building foundations and not in the vicinity of other services, such as gas, electricity or water connections.

The SOAK1GR should only be used in porous soil.

External pipework for condensate discharge should be no longer than 3 metres in length and have as steep a gradient as possible.

The condensate discharge pipe may be taken above or below ground level.

McAlpine & Co. Ltd. Kelvin Avenue, Hillington, Glasgow, G52 4LF

www.mcalpineplumbing.com

© McAlpine & Co. Ltd 2010

CONDENSATE SOAKAWAY, SOAK1GR Installation Instructions

Prepare hole approximately 200mm wide x 400mm deep and a minimum of 500mm from adjacent wall to the centre of the hole.

Place 10mm limestone chippings to a minimum depth of 50mm in the base of the hole on which to bed the SOAK1GR allowing for the top of the SOAK1GR to be either flush or just below ground level.

Fill the SOAK1GR (1) with 10mm limestone chippings and place it in the ground on the prepared bed of limestone chippings.

Ensure that the holes in the SOAK1GR (1) are facing away from any adjacent wall and backfill the hole with 10mm limestone chippings.

The condensate discharge pipe should be run internally as far as possible and the pipe diameter increased from 19/22mm to 1 1/4"/32mm by use of fitting (3) before it passes through the wall.

The external pipe should take the shortest and least exposed route to the SOAK1GR and should have the maximum possible gradient away from the boiler, with no horizontal runs in which the condensate might stand.

The use of fittings, elbows etc. should be kept to a minimum and any internal "burrs" on cut pipework should be removed so that the internal pipe section is as smooth as possible.

Allowing as steep a gradient as possible, connect 1 1/4"/32mm plastic condensate discharge pipe to either Rubber Seal (2) or (4) and use Plastic Plug (5) as appropriate.

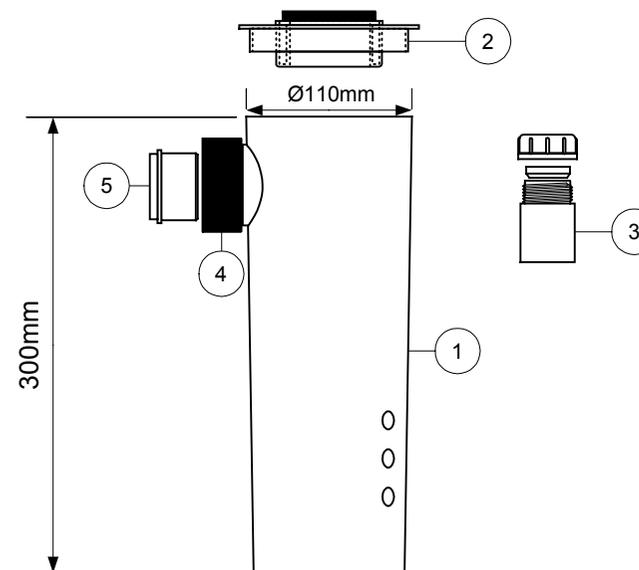
In situations where there are likely to be extremes of temperature or exposure, the use of a proprietary trace-heating system for external pipework, incorporating an external thermostat should be considered. If such a system is used, the requirement to use 32mm pipe does not apply.

Note: These installation instructions incorporate the latest guidelines issued by the HHIC Freezing Condensate Working Group.

Follow boiler manufacturer's installation instructions where appropriate.

November 2010

Condensate Soakaway Code: SOAK1GR



Installation Detail

