

Product facts



Sentinel Condensafe C4000

Condensate Neutraliser for Commercial Condensing Boiler

Introduction

In condensing boilers, high efficiency is achieved by using waste heat from the hot flue gases to pre-heat the water in the boiler instead of just being exhausted through the flue. However, in doing so the flue gases are cooled and an acidic condensate is formed which is often simply discharged into the foul drain. A typical small commercial condensing boiler will produce approximately 4000 litres of condensate a year and has an acidity of about pH 4.0.

Today, official guidance in many countries requires that effluent is discharged to municipal sewers and water courses at between pH 6.5 and pH 10.0. This is to protect micro-organisms used in the biological purification processes in the septic tank or in the local water treatment plant, to lessen damage to the infrastructure of the drainage system and to help protect the environment as a whole. However, the effect of acidic condensate discharge is usually overlooked and needs to be addressed.

Features and Benefits

- An in-line, simple to install unit
- Fits all types of condensing boilers
- Effectively neutralises acid waste
- Stops harmful acid going to discharge
- Neutralises 4000 litre of 'typical' condensate discharge
- Easily replaceable unit.
- Makes condensing boilers more environmentally friendly

Description and Use

Sentinel Condensafe C4000 is an in-line unit containing a special medium that will neutralise the acidic waste from commercial condensing boilers. The Condensafe C4000 cartridge is designed to fit into a standard 40mm ABS/PCV waste pipe drain and is fitted with universal couplers to accommodate all makes of 40mm O/D plastic pipe. This will allow easy installation and straightforward servicing to change the unit when exhausted.



Product Specification

Discharge Capacity: 4000 litres @ pH 4.0

Construction: The unit comprises a cemented PVCu construction, holding sufficient neutralising agent for the volume mentioned. The unit's push-fit end-fittings allow it to be mounted into a standard PVCu/ABS waste pipe.

Connection: 40mm O/D PVCu/ABS pipe

Length: 350mm

Diameter: 54/60 mm (Main body)

Weight: 0.675 Kgs

Preferred Mounting: Within 5° to 10° of horizontal (flow downhill). Do NOT mount vertically. Mount about 3 meters away from the heater unit.

Materials Used: ABS Plastic

Replacement: After 4,000 litres or every 12 months at least

