



## WaterMATIC Condensafe

### Condensate Water Treatment

**Model : Condensafe C4000** - is a new system (**patent pending**) designed to eliminate the environmental impact of acidic water discharges reaching the waste water handling system of the utility companies.

Condensate discharge from the new generation of condensing boilers and water heaters is at a pH of 3.8 to 4.5 and is outside the range permitted by the Water Resources Act of 1991. Discharge between a pH of 6.5 and 10 is permitted.



The Condensafe discharges water after neutralising it, of between pH 7 to 8.5. This is safe to discharge to waste water drains.

The Condensafe is an periodically changed 'in-line' PVCu pipe work construction holding sufficient neutralising chemical to handle specific volumes of 'condensate' at pH4. It is mounted into the condensate drain from a boiler/water heater plant room. If multiple condensing units are in use, then a single appropriate sized unit can be installed.

The volume of condensate that can be handled is sufficient, usually, for a regular service interval to be adopted to change the Condensafe cartridges.

The Condensafe cartridge is designed to fit into a standard 40mm ABS/PCVu 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.

It will ensure that all commercial users with responsibility to discharge waste to the utilities do so in a responsible way and without contravening the Water Resources Act.

The product specification for system/installation design purposes is :-

- Manufacturer** : Salamander (Engineering) Ltd., U.K.
- Product Code** : Condensafe C4000
- 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° of Horizontal (flow downhill)
- Materials Used** : ABS Plastic

**Patent Pending**

**NB :** With on-going product improvement, we reserve the right to change or modify the specification without prior notice being given. Where pertinent, users will be advised.

**Supplier** : **WaterMATIC**,  
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Technical Specification subject to change (19-05-08 – MJP).