

SCALEMASTER CONDENSEMASTER 22mm (Domestic)

EAN	5027639 600703
Product Code	600703
Fitting Size	22mm
Fitting Type	Push-fit
Body Material	ABS
Length	242mm
Diameter	42mm
Working Media	MgO*Mg (OH) ₂
Replacement Period	12 months
Box Quantity	8



DO NOT allow
to freeze.



Suitable for
condensing boilers
up to 35kW



MADE IN
BRITAIN

Replace units
every 12 months
to ensure ongoing
protection



Features:

- Condensemater is an effective solution for neutralising acidic flue gas condensate discharging from high-efficiency domestic condensing boilers
- Easily fitted to the boiler drain pipe, Condensemater provides environmental protection neutralising potentially harmful acidic waste before it goes to drain
- The Condensemater cartridge incorporates patented internal geometry which helps prevent media from leaking during transport and ensures the product will not block in normal use during its 12 month lifetime, even when used with higher output domestic boilers
- Condensemater is particularly effective in periods where the boiler is only partially condensing and pH of the condensate generated is most acidic

Benefits:

- Environmentally friendly - Neutralises potentially harmful acidic waste before it goes to drain
- Maintains neutral environment in sewers and septic tanks
- Especially effective when the boiler is only partially condensing
- Easy to use
- Easy fit push-fit fittings
- Suitable for all domestic high-efficiency condensing boilers

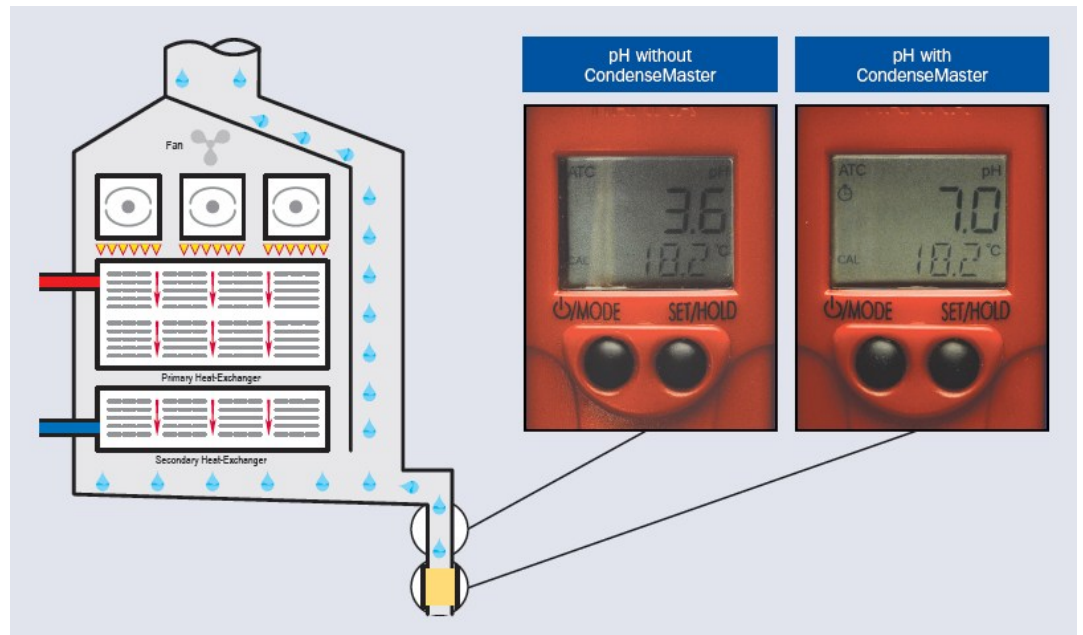
General Information: Condensemater is an in-line acid condensate neutraliser.

Product Life: 12 months under normal operating conditions. Product will not block during normal use.

Application: For best results install the Condensemater unit vertically into the plastic pipework flowing condensate from the boiler to the waste water drain.

Operating Mechanism:

As their name suggests, modern high-efficiency condensing boilers recover heat from the moisture content of flue gases using heat-exchangers to extract as much heat energy as possible, which is then used to pre-heat the incoming combustion air. As the exhaust fumes are cooled, the water vapour condenses within the boiler and flue pathways, and is usually channelled back through the boiler to drain. The water tends to dissolve



Schematic of Condensing Boiler/Condensemaster Operation

oxides of sulphur, from contaminants in the gas, and oxides of nitrogen, from the combustion process, which make it mildly acidic (corrosive) which may upset the natural balance of sewerage systems. The pH of flue gas condensate is typically in the range 2.8 to 4.5. As condensate flows through the Condensemaster cartridge the liquid is passed over alkaline magnesium compounds to neutralise the acidity.

Installation Instructions:

For best results fit Condensemaster vertically into the plastic pipework flowing condensate from the boiler to the waste water drain.

- Measure and cut a 185mm section from a straight run in the overflow pipework ensuring there is a natural downward flow to drain
- Install the Condensemaster unit into the gap by inserting the ends of the pipe into the push-fit fittings, taking care to align the arrow on the product with the direction of fluid flow to drain
- Tighten the knurled nuts to ensure that there is no possibility of leakage
- Record the date of installation on the product label date tab
- To ensure ongoing protection replace the unit after 12 months
- To remove an old unit: Push the retaining ring into the push-fit fitting whilst pulling the pipe in the opposite direction

Operating Instructions: No maintenance is necessary - Just replace the unit every 12 months.

Important Information: WHEN INSTALLING THE UNIT OUTSIDE APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PROTECT AGAINST FROST DAMAGE.