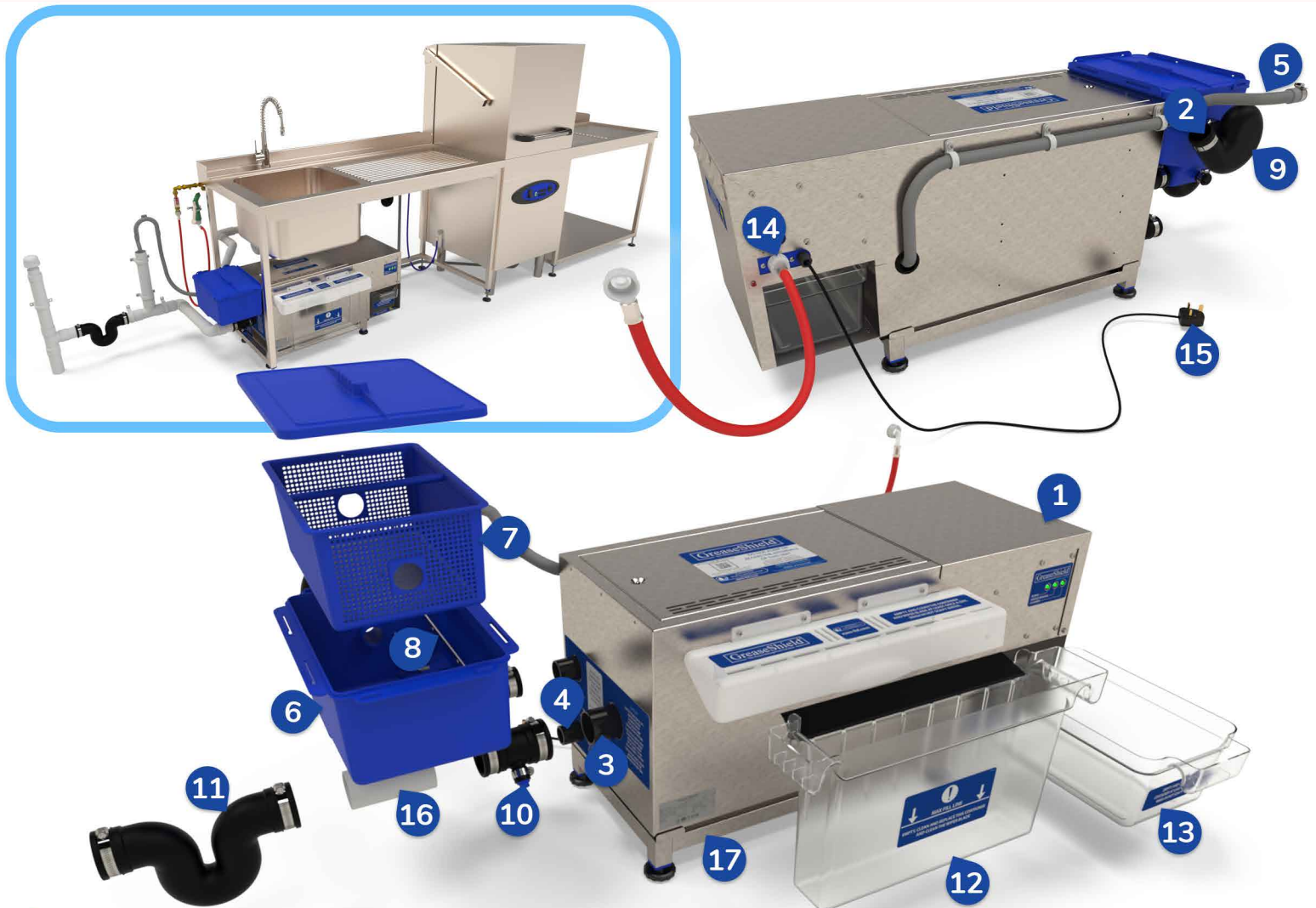


Installation Guide - GreaseShield®1850 AST-PF



- 1 **GS1850 AST Unit:** Ensure that there is sufficient clearance above and to the right of the unit for servicing purposes (5.9"/150mm minimum).
- 2 **Inlet Pipe – 1½"/40mm:** To be piped with a sufficient fall of no less than 1 in 40.
- 3 **Outlet Pipe – 2"/54mm:** To be piped with a sufficient fall of no less than 1 in 40.
- 4 **Invert Inlet – 1¼"/32mm:** For gravity drained dishwashers use the invert inlet. A 1¼"/32mm to 1½"/40mm FlexiPlumb adaptor may be required. Should be capped off with a 1¼"/32mm FlexiPlumb Endcap when not in use.
- 5 **Decant Outlet Hose – ¾"/18mm:** To be piped directly into the main drainage pipe via a vented drainage stack as shown. The Hose must be fixed in place using the drainage hose support provided.
- 6 **Pre-Filter:** Ensure sufficient height above the Pre-Filter to allow for removal and daily maintenance of Pre-Filter basket.
- 7 **Pre-Filter Basket:** A Pre-Filter basket must be installed into the pre-filter at all times.
- 8 **Pre-Filter Support Bar:** The support bar must be installed when attaching the Pre-Filter
- 9 **Vortex Flow Controller:** Must be fitted to the Pre-Filter inlet connection.
- 10 **Sampling Point:** Connected to the outlet of the unit; it is essential in the analysis of effluent leaving the unit.
- 11 **Running Trap:** The outlet of unit must be fitted with a running trap to reduce foul smells.
- 12 **FOG Container:** Ensure that the container is not restricted or blocked for daily maintenance.
- 13 **Solids Container:** Ensure that the container is not restricted or blocked for daily maintenance.
- 14 **Hot Water Solenoid Valve:** Hot water must be connected to the unit using the ¾" BSP (F/F) Red PVC Hose provided, water supply must not exceed **3 bar** pressure and **60°C/140°F**. In the case of high pressure a pressure reducing valve must be used. Mains water connections must be made via a WRAS approved isolation valve which follows a WRAS approved double check valve.
- 15 **Power Lead:** The unit must be plugged into a **13 amp** rated **IP56** socket located below counter level.
- 16 **Interconnecting Pipework:** All pipework must be clipped and properly supported.
- 17 **Stainless Steel Hygiene Stand (Optional Extra):** GS1850 AST unit should be installed on a Stainless Steel Hygiene stand. It can be adjusted up to **2"/50mm** in height to allow the unit to be levelled on uneven surfaces and provide access for cleaning.



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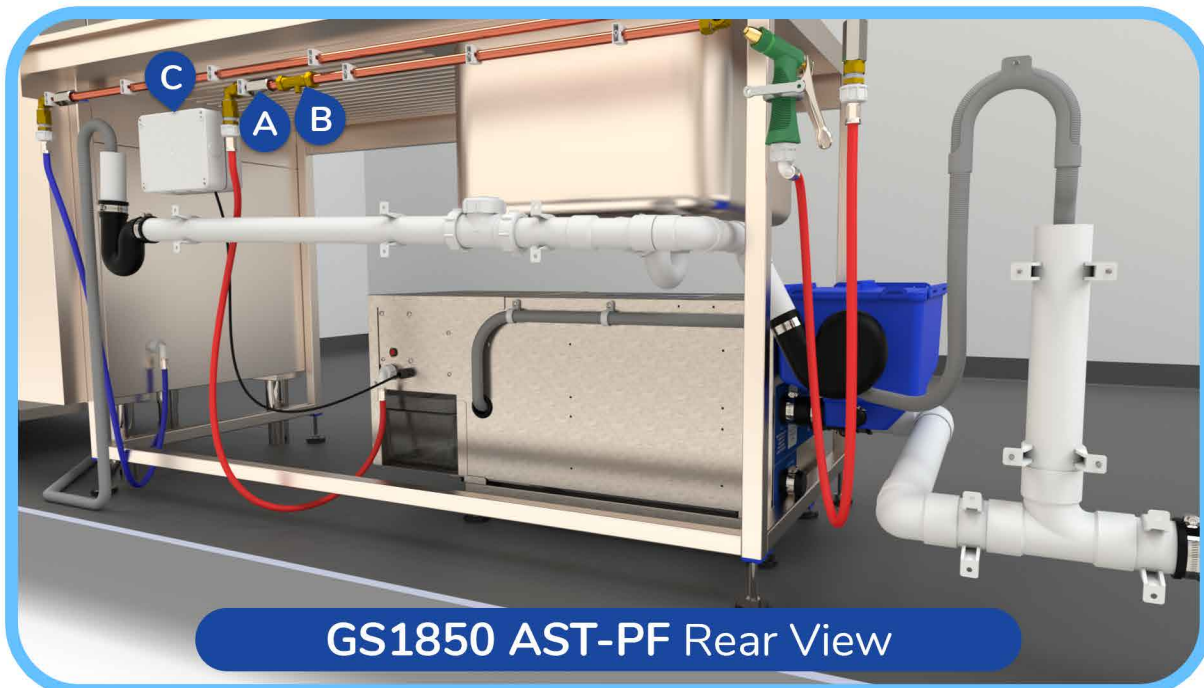
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Installation Guide - GreaseShield® 1850 AST-PF



- Make sure the unit is installed on level ground or adjust the stand feet to ensure the unit is level.
- Have a hot water connection available to connect to the unit, if one is not available the unit must be equipped with a Genie H2O to give hot water on demand. Water connection must be made via a WRAS approved isolation valve **A** and double check valve **B**.
- Have an IP56 rated socket **C** below counter level available to the unit to plug into. If a genie H2O is required ensure an additional power supply (preferably a fuse spur) is available.
- Ensure all pipe work into and out of the unit has at least a 1 in 40 fall (downwards angle of 1.5°).
- Clean the Pre-Filter Basket, Solids Container and FOG container daily.
- An Air Admittance Valve **D** must be installed after the running trap so a siphon doesn't occur.
- The Decant Outlet Hose **E** needs to be plumbed into a vented drainage stack, using the drain hose support provided.



DO



DON'T

- Place the unit in passageways where it can be a hazard or be damaged.
- Open the unit or insert hands into any part of the unit; moving parts can cause injury.
- Stand or place heavy objects on top of the unit.
- Dismantle the unit in any way, only qualified service staff are to access the inside of the unit.



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