

ALT-SBP001

siphon



altecnic

ALT-SBP001 siphon



Application

The Altecnic ALT-SBP001 siphon is used in the condensate drain pipework from condensing boilers, air handling units and any other equipment that requires condensate to be piped to a drain.

The siphon provides a water barrier preventing insects or smells entering the building and causing a nuisance.

Design

The ALT-SBP001 siphon is made from transparent polycarbonate material, the components are sonic welded together for strength and water tightness.

Supplied complete with a slotted drain plug and gasket and on the outlet with a rubber sealing ring and compression nut.

It must be installed inside the building and protected from frost.

The siphon is supplied complete with a wall mounting bracket, fixing screws and wall plugs.

Operation

With no condensate flowing into the siphon, the liquid level in inlet chamber is level with the top of the weir.

In the outlet chamber the liquid is level with the top of the 'U' bend and both the outlet from the 'U' bend and the air vent pipe are empty.

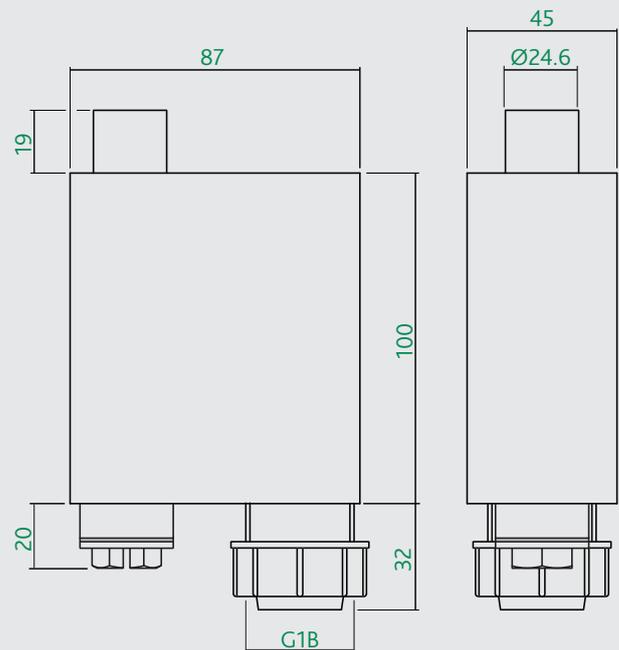
When condensate starts to flow into the siphon, the liquid level rises in the inlet chamber and flows over the weir into the outlet chamber causing the liquid level to rise.

Liquid starts to flow over the 'U' bend flows to a suitable drain.

Once flow of condensate ceases the liquid level in the outlet chamber falls, the outlet from the 'U' bend drains until the process starts again.

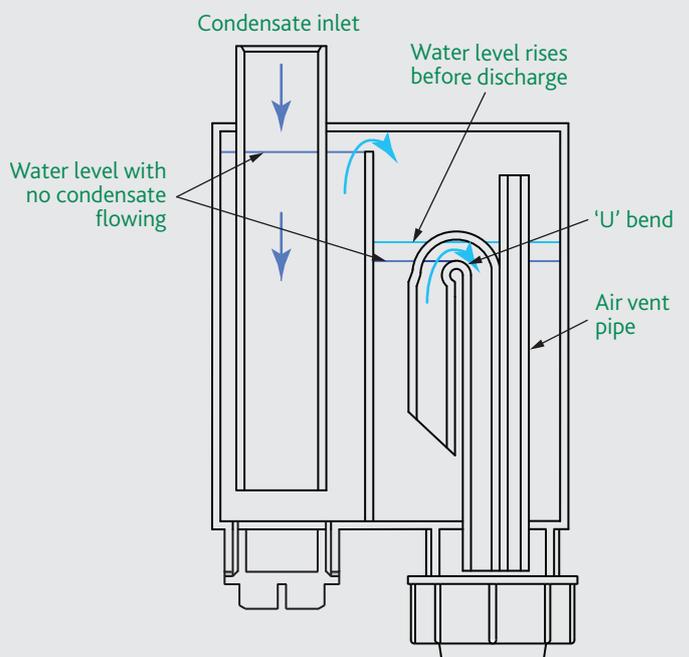
Under normal operation the liquid level in the outlet chamber should not rise above the top of the air vent pipe, which maintains atmospheric pressure above the liquid level.

Dimensions



Pneumatic body test

The ALT-SBP001 is pneumatically tested at 0.1 bar for 20 seconds with the drain plug fitted to prove its pressure integrity and water tightness.



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