

P-Series

Positive Pressure Waterless Trap



The Air-Trap™ allows liquid condensate to drain from HVAC equipment while simultaneously preventing air from entering or escaping the equipment.

Patented

Available sizes: ¾" 1" 1¼" 1½"

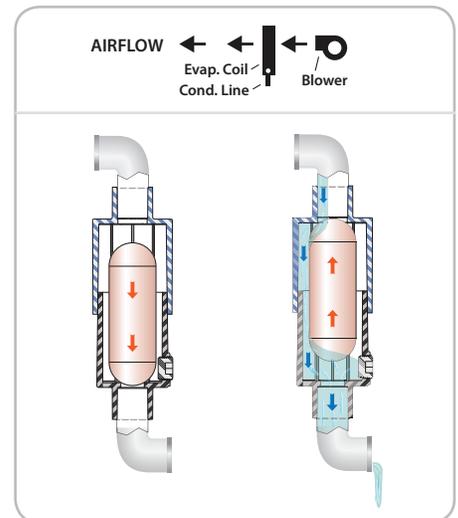
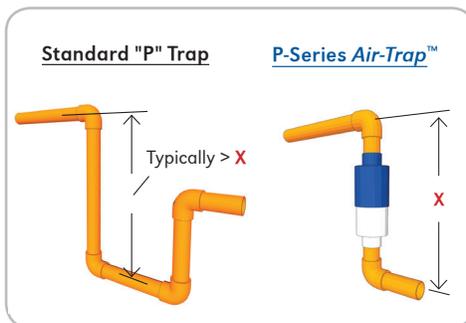
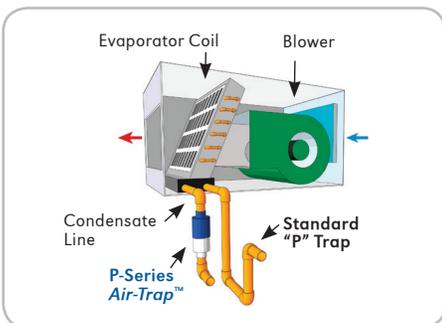
Why a Waterless Trap?

Typically, HVAC equipment is fitted with "P" traps that require water, or another liquid, within a standpipe to prevent gas from entering or leaving the unit. As a result, the "P" traps are susceptible to freezing - expansion - bursting. At other times, the traps dry out allowing gas to escape or enter the HVAC equipment. The Air-Trap never requires addition of water to prevent unwanted air leakage.

- The Air-Trap allows water to drain from the HVAC equipment.
- Prevents air from escaping from the equipment.
- The Air-Trap operates dry when no water removal is required and wet when it is required.

P-Series Trap Advantages

- P-Series Air-Trap requires no water head to cause the trap to operate. Simply come out of the plenum condensate line and go down into the P-Series Air-Trap. Come out of the trap and go horizontally with your drain line. The height requirement then becomes the height of the trap plus two elbows.
- When removing water, the water exits the unit but no air escapes the unit.
- Reduces sludge buildup that normally accumulates in standard "P" traps.
- Prevents problem with standard "P" trap never filling with water when condensate begins to form at the beginning of the cooling season.
- Prevents freezing of trap during cold periods since there is no water in the trap.



Note: The attached drawings represent traps that operate under positive pressure. Never connect condensate drain directly to a sanitary drain line.

For detailed information and to see our P-Series Air-Trap during operation, please visit:

YouTube video: <https://youtu.be/mi89DUITUQI> →

Facebook: facebook.com/DesChampstech/

Instagram: [des.champs](https://instagram.com/des.champs)



waterless-trap.com



The Air-Trap™ concept has been incorporated into IAPMO IGC 196-2018 Standard for Condensate Traps and Overflow Switches for Air-Conditioning Systems.

PS-0619