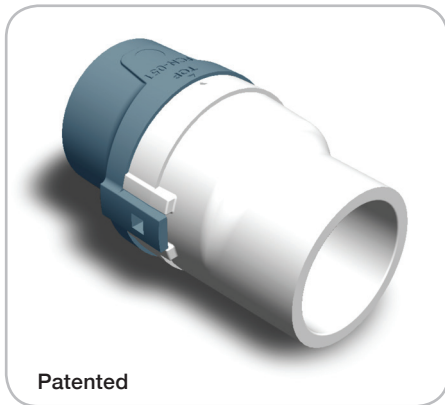


# FCN-Series Residential / Lite Commercial for Use as Negative Trap



## New Compact Design!

### No More Troublesome “P” Traps

- The *Air-Trap* will never freeze and break
- No more issues caused by traps drying out
- *Air-Trap* is predesigned to prevent field errors
- *Air-Trap* reduces trap height by up to 60%
- Eliminates sludge build-up at bottom of “U” tube
- No more geysers when there is negative pressure
- Easy maintenance – use the side clips to open the *Air-Trap* for cleaning

### Negative Pressure Orientation is Horizontal

- Condensate flow up to 1 GPM at 2" negative pressure
- Schedule 40 PVC with easy maintenance, side clips to open the *Air-Trap* for cleaning
- Retains no water after condensing has ceased
- 3/4" internal slip or fitting (can connect to 1/2" via reducer coupling)
- Meets general building codes. For use on HVAC equipment only. Not for use as a sanitary trap.

When condensate *IS NOT* present, the ball sets tightly against the seat.

When condensate *IS* present, water pressure moves the ball away from the seat.

| Max Negative Pressure of WC | Max Positive Pressure of WC | Available Connection Sizes |                                      |
|-----------------------------|-----------------------------|----------------------------|--------------------------------------|
| 5"                          | 1/2"                        | 3/4"                       | 1/2" with fitting (reducer coupling) |

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

For detailed information and to see our *Air-Trap* during operation, please visit:  
 YouTube video: <https://youtu.be/mi89DUITUQI>  
 Facebook: [facebook.com/DesChampstech/](https://facebook.com/DesChampstech/)  
 Instagram: [des.champs](https://instagram.com/des.champs)



[waterless-trap.com](http://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.

FCN-0819