

# COMBAT P-TRAP

Thomas Perez has been an HVAC technician for over 20 years, and both he and his wife, Sarah, hold HVAC Contractor Licenses in the State of Texas where they work daily as field technicians and lead installers. Over the years, Thomas kept running into the same issue of clogged drain lines. One night, Thomas hopped on a late-night phone call with a customer who was experiencing a clog that caused the drain pan to overflow water down the sheetrock of his ceiling.

Thomas felt that the difficult and laborious task that was commonly used to clear and rebuild drain lines was outdated and unnecessarily time consuming, and knew there had to be an easier way to prevent these clogs from occurring. That phone call inspired Thomas to create the Combat P-Trap, which is not only an improvement to the "P-Trap", but it is a multi-purpose cleaning, clearing, and timesaving apparatus for central home air conditioning.

The Combat P-Trap provides drain clearing access for technicians with nitrogen or a vacuum to suction the clog, and a biocide tablet dispensing point for proactive prevention. It also creates a revenue stream for its end user (the installing contractor) to have repeat visits to maintain the product by refilling the basket with biocide tablets. This device rids technicians of a time consuming and arduous task, allows for speedy maintenance and clearing of any primary drain line, and reduces future incidents that could cause damage.

Better yet, the Combat P-Trap eliminates the need for special installation tools common in the market today. With its unique, user-friendly design, technicians can install it easily and accurately.

## Product Launch

In 2022, Thomas and Sarah were introduced to Mike Walton, President of Cool Air Products. After a few months of discussion, an investment was made by the VC arm of the company, Trades Capital. This investment allowed the product to go from patent to product delivery in less than a year, and covered costs of engineering, manufacturing, marketing, and personnel.

The first preorders were shipped in July of 2023, and sales have been strong and steady. Southern states have widely ordered this product as they often deal with the industry issue of biofilms (organic matter usually referred to as white slime) in air handler drain pans and drain lines. This phenomenon has been highest reported in Florida and Louisiana, and is also prominent in North Carolina, South Carolina, Georgia, Oklahoma, and Texas.

Combat Tabs have been added to the product line and there are plans to add float switches and a larger commercial unit in early 2024.



## Mission

Combat P-Trap is doing way more than just making the lives of contractors easier; it's helping Veterans get back on their feet.

Thomas is an Army Veteran on a mission to raise money and provide easy aid access for service Veterans who suffer from combat related PTSD & TBI (Traumatic Brain Injury). Thomas experienced PTSD first hand. Along with his wife Sarah, the couple has a deep understanding of how the complicated, invisible wounds of war can negatively impact and devastate not only the Veteran, but the entire family dynamic.

Families, friendships, and internal struggles can be devastating and heartbreaking, so any manner of support, relief, or understanding is gratefully received and appreciated. Regardless of how small it may seem, acknowledging a problem and offering direction for a solution offers hope for positive change.

Thomas and his family have a strong commitment to the United States. His father Honorably retired from the Army, his sister was an airman, and his brother is active duty, continuing to proudly serve and protect this country. Thomas married Sarah in 2013, and she proudly supports her Veteran and active duty family members with compassion and understanding. Being with Thomas, Sarah has learned alongside him the lack of understanding in present society for those suffering from PTSD and the need for reform.

There are over 2.3 million American Veterans who served in the Iraq and Afghanistan wars. Over 20% suffer from PTSD, 19% suffer from TBI, and over 7% suffer from both. Each day, 22 Veterans suffering from PTSD commit suicide.\* The Perez family wants to help lower these statistics, and have partnered with Cool Air Products to donate a portion of the Combat P-Trap proceeds toward tools that will help Veterans cope well as they return to the civilian world. Some wholesalers have also agreed to match donations.

Currently, Combat P-Trap is proudly supporting K9s For Warriors, a nonprofit organization that provides trained service dogs to Veterans with both PTSD and TBI at no cost to the Veteran.\* Service dogs are proven to offer emotional support, stress reduction, and distraction from triggers and memories of traumatic events.

Because veterans endure hopelessness and purposelessness, and lack social connection, mental stability, and physical activity, they can benefit from service dogs that provide them with a sense of responsibility, encouragement, and acceptance without judgment. They can also help regulate mood and improve overall mental health. Ultimately, service dogs provide tremendous help to Veterans in immediate crisis and are valuable to their comprehensive treatment plan.

**For information on product or ways you can help with the charity, email:** [info@coolairproducts](mailto:info@coolairproducts)

**If you or someone you know is in crisis, please “dial 988” and have them speak to someone today at the Suicide and Crisis Lifeline.**



**Sources cited:**

US Dept of VA and NIH (National Institute of Health), RAND Corporation, and the US Department of Health & Human Services Sub Department. SAMHSA (Substance Abuse and Mental Health Services Administration).

<https://k9sforwarriors.org> | [www.combatptrap.com](http://www.combatptrap.com)

