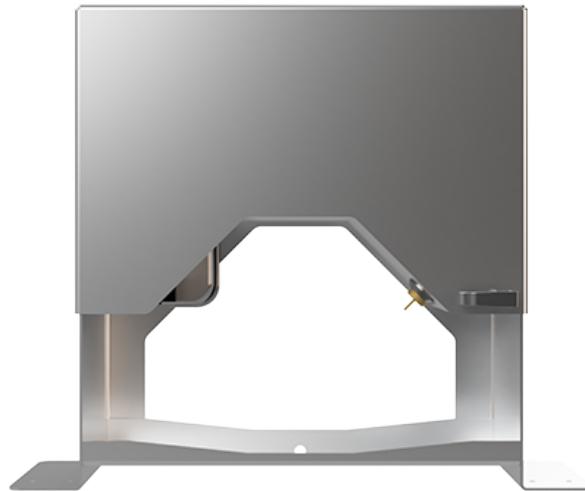


WHITE PAPER

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THE TACTICAL WASH “TW”

A no-touch aluminum water and foam soap station that enables a full day's worth of handwashing for a 5-person crew, securely bolts to your truck, and collects wastewater for safe disposal.



Background

The COVID-19 Pandemic (“C-19”) has underlined the necessity of better hand hygiene in any situations where humans come into contact with one another or with surfaces and locations that could have been exposed to the virus. As the coronavirus is reputed to survive [up to three days on some inert surfaces](#), this means that all people leaving isolation should be washing their hands regularly to avoid transmission and infection.

Construction workers, emergency services professionals, and military and law enforcement personnel are just three examples of professions whose work is essential and must continue during and after the peak of the pandemic. In addition, these professionals are often mobile, using vehicles to move around to different sites where permanent hygienic facilities are unavailable or unreliable. With strong evidence that handwashing and [exposing the virus to surfactants](#) is a [better safeguard against C-19 transmission and infection than more portable hand sanitizer solutions](#), front line workers are encouraged to wash their hands as often as possible to prevent C-19 spread and infection.



Official Guidance

Because the CDC suggests handwashing, the government through its agencies such as [OSHA](#) will also prioritize or require handwashing in certain situations. OSHA guidance is in turn adopted by labor protection organizations such as unions, and by state associations such as associations of government employees. These bodies control the operational health and safety behavior of large percentages of workers attached to government entities in the USA, ranging from water authorities to utilities to departments of transportation. Health and safety behaviors are dictated by formal protocols adopted and published by each worker association or union. Employers, such as federal, state, county and municipal authorities then bear the challenge of enabling workers to access handwashing facilities where none are currently available.

In the most recent [guidelines from the state of Washington](#), contractors and employees are advised:

"Soap and running water shall be abundantly provided on all job sites for frequent handwashing. Workers should be encouraged to leave their workstations to wash their hands regularly, before and after going to the bathroom, before and after eating and after coughing, sneezing or blowing their nose."

Similar guidelines have been adopted in [Oregon](#) and in many other states, and the [DLA has installed hand washing stations in US Army facilities](#).¹

Problem

Mobile workforces deploy as frequently as multiple times per day to locations that change on a daily basis and are unpredictable by nature. For instance, an emergency cleaning crew working for a large urban Department of Transportation may involve multiple vehicles, each with a crew of two to five people. This crew will respond to accident locations that change on a daily basis, and may visit ten locations in an eight hour shift, with each location and situation bringing its workers into contact with potential germ and virus vectors.

Many of these locations will not have nearby access to running water or hand washing facilities. After coming into contact with potential C-19 vectors, the workers need immediate access to hand washing facilities. Those facilities should allow the workers to wash and clean germs and viruses from their hands and then return to their work or vehicle without needing to touch another potential vector-bearing surface. To the extent possible, the washing process should be "touchless".² In some locations, local laws and regulations will require that the wastewater from the hand washing process be collected and disposed of outside of the stormwater drain system.



Response

Hoodworks has designed the **Tactical Wash “TW”** as a direct response to the hand washing needs of mobile work crews, be they firemen, ambulance crews, or tree cutters. Made in the USA as a robust, mobile unit, the TW is specifically designed to withstand the rigors of long workdays of mobile workforces. The TW has built-in capacity for a crew of five to wash its hands once every half hour through a full workday.



- Lightweight, Strong Aircraft Aluminum
- Refillable Soap/Foam Dispenser
- Bolts to Truck Boxes /Sides/Beds
- 3.3 Gallon Expandable Water Capacity
- Fills Quickly with Common Hose
- 1/8” Pin Faucet Provides Low-Flow Germ Free Wash

3.3 gallons 12.5 L standard capacity (expandable to 23 gal. / 160L) allows workers to use double the minimum water volume of 80ml fifteen times daily, allowing hand washing once every 30 minutes for a full eight hour shift. The TW is strong and built to last, and uses foam and soap refill packages from common manufacturers. Filling the TW is as simple as connecting a garden hose to the quick-connect ports on top; a standard hose will fill it in a few seconds. Multiple models are available and allow the TW to be bolted to the side of the vehicle or attached inside the back door, and a smaller model can drain directly onto the ground where allowed.

¹ Two more examples from Tennessee and Louisiana. Tennessee has a Employee’s Association ([TSEA](#)) that provides [specific guidance to state employees](#) including the following: “ Wash your hands often with soap and water (or alcohol-based hand rub) for at least 20 seconds, especially after coughing or sneezing. Do not touch your eyes, nose or mouth with unwashed hands.” [Louisiana Department of Building and Safety states](#) construction workers must wear masks and “ Employers must permit their employees to wash their hands at least every 30 minutes”, “ . Place wash stations or hand sanitizers in multiple locations to encourage hand hygiene.”, etc. [Louisiana Department of Health states](#) “wash your hands often for at least 20 seconds with soap and water...”

² [This CDC video](#) illustrates ideal hand washing scenarios.

