TECHNICAL INSTRUCTION BULLETIN

How to Properly use your TruCLEAN Mopping System for Optimum Performance

SUBJECT: **TruCLEAN 2 Compact Mopping System (No. 30-2)**

TruCLEAN 2 compact mopping systems provide the ultimate in cleanroom cleaning technology. Designed to capture and isolate contaminants from cleaning and disinfecting agents. Easy-to-use and maintain, constructed entirely of autoclavable components.

The mop bucket beneath wringer captures and isolates microbial contaminants from cleaning or disinfecting solutions in front bucket. Buckets available in red, white, blue, or any combination of these colors.

Disinfection Protocol on Pre-cleaned Surfaces:

1. Submerse mounted TruCLEAN Sponge Mop and Mop Cover(No. 22-34 and 22-35) into 36L bucket with disnfectant in order to activate all cells of the sponge mop and cover. This process should take no more than 5 minutes.

2. Lift sponge mop out of solution and tilt mop frame on the inside wall of 36L bucket to release excess disnfectant. Sponge is fully loaded and ready for application to floors, walls and ceilings.

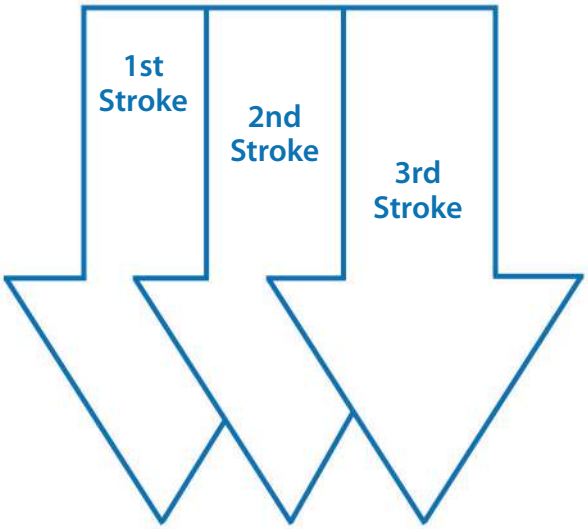
   If dosing surface with contact time of 7 - 10 minutes or greater proceed directly to surface *without* wringing.

   If dosing surface with contact time less than 7 - 10 minutes slightly wring sponge by applying minute force on the wringer handle. DO NOT APPLY EXCESSIVE FORCE on the wringer handle, this will dry out the mop head and cause skipping/flipping of the sponge mop. More importantly, it will resolve in a non-uniform application of solution.

   Utilize the PULL-LIFT technique - pulling the sponge mop towards you, lifting the sponge and over-lapping the previous stroke (see illustration on pg. 2).

The disnfecting flow should always begin with the cleanest area to the dirtiest. Start with the ceiling, then the walls, equipment (if applicable), and finishing with the floor. When dosing walls, never let the sponge mop touch the floor, you may transfer floor contaminants onto the wall. Apply the disnfectant as recommended by your chemical supplier.

ILLUSTRATION OF PULL-LIFT TECHNIQUE



Start your 1st stroke by lifting the sponge mop and placing it down on the surface at a manageable distance and pull towards you. Lift the sponge mop again (2nd stroke) placing it down at the start of the 1st stroke, only this time over-lapping the 1st stroke by about 10-20%, pulling the sponge mop towards you. Repeat.

3. Wring out sponge mop thoroughly. DO NOT APPLY UNNECESSARY FORCE ON WRINGER HANDLE. The bucket beneath wringer isolates contaminants. Buckets are available in various colors for visually-coding the waste and solution buckets. Minimizes operator confusion and provides management with visual compliance of in process cleaning.

4. Refill sponge mop in 36L bucket by submersing only the bottom surface of the sponge mop, tilting mop frame on the inside of bucket wall to remove any excess disnfectant. Repeat steps 3 - 4.

5. When finished, thoroughly rinse entire system, wipe dry. Apply an approved disinfectant onto the entire system (optional) or autoclave - up to 250°F/121°C for 30 minutes (optional).

Cleaning Protocol for Removal of Chemical Residue:

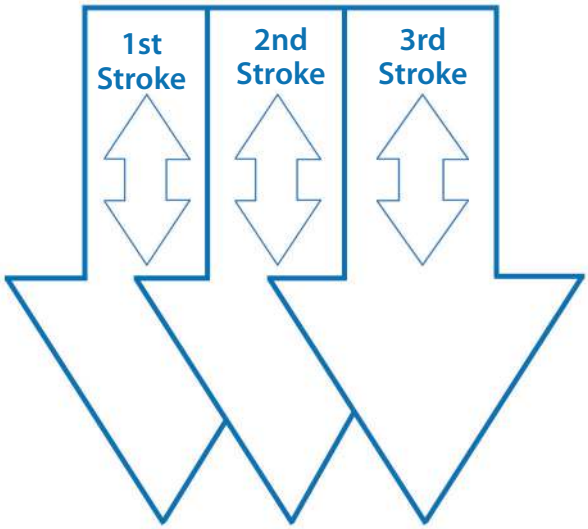
1. Submerse mounted TruCLEAN Hydrosorb Sponge Mop(No. 22-24) into 36L bucket with cleaning solution in order to activate all cells of the sponge mop. This should take no more than 5 minutes. Unlike disinfecting or dosing, cleaning requires firm mechanical agitation of the surface and thorough collection of the contaminants. More frequent emptying of the waste bucket will be required.

2. Lift sponge mop out of cleaning solution and tilt mop frame on the inside wall of 36L bucket to remove excess solution. Sponge is fully loaded and ready to clean the appropriate surface.

Utilize the PULL-LIFT technique - pulling the sponge mop towards you, lifting the sponge and over-lapping the previous stroke (see illustration below). Be firm and agitate the surface with back and forth strokes, staying within the unidirectional flow.

The cleaning flow should always begin with the cleanest area to the dirtiest. Start with the ceiling, then the walls, equipment (if applicable), and finishing with the floor. Apply the solution as recommended by your chemical supplier.

ILLUSTRATION OF PULL-LIFT TECHNIQUE WHEN CLEANING



Start your 1st stroke by lifting the sponge mop and placing it down on the surface at a manageable distance, agitate the surface with short back and forth strokes as you pull the sponge mop towards you. Lift the sponge mop again (2nd stroke) placing it down at the start of the 1st stroke, this time over-lapping the 1st stroke by about 10-20%, agitate the surface with short back and forth strokes, as you pull the sponge mop towards you. Repeat.

3. Wring out sponge mop thoroughly. DO NOT APPLY UNNECESSARY FORCE ON WRINGER HANDLE.

4. Go back to the cleaned surface and wipe dry using the PULL-LIFT technique without agitation(see illustration on pg. 2). The TruCLEAN Hydrosorb Sponge Mop(No. 22-24) will collect the remaining residue and dry the surface.

5. Wring out sponge mop thoroughly. DO NOT APPLY UNNECESSARY FORCE ON WRINGER HANDLE.

6. Load sponge mop by submersing in cleaning solution, tilt mop frame on the inside of 36L bucket to remove any excess solution. Repeat steps 2 - 6.

7. When finished, thoroughly rinse entire system, wipe dry. Apply an approved disinfectant onto the entire system (optional) or autoclave - up to 250°F/121°C for 30 minutes (optional).

FREQUENTLY ASKED QUESTIONS

What causes the sponge mop to skip/flip? Normally, skipping/flipping occurs when, (1) the sponge mop lacks lubricity - is not carrying enough solution, (2) the surface is drywall, with a flat coat of paint, or (3) the surface is extremely abrasive. We recommend using the TruCLEAN Mop Cover (No. 22-35) which will extend the service life of the sponge, minimize residuals and deliver a smooth gliding action over almost all surfaces.

Why does the waste bucket beneath the wringer require frequent emptying?
The waste bucket should not require frequent emptying when disinfecting surfaces. However, we do find cleaning technicians erroneously employ the "dip, wring & mop" method, widely performed when using a conventional mop and bucket. This technique should not be employed with our mopping systems. In essence they are transfering the contents of the front and center buckets, to the waste bucket. This not only leads to prematurely filled bucket, but also an improperly dosed surface, and waste of chemicals. When disinfecting controlled environments, it is imperative the proper contact value be applied to the surface.

Unlike disinfecting or dosing, cleaning requires firm mechanical agitation of the surface and thorough collection of the contaminants. More frequent emptying of the waste bucket will be required. Use our TruCLEAN Hydrosorb Sponge Mop (No. 22-24), which is specifically designed for use in controlled environments requiring rapid pickup.

What causes rust spots or stains to appear on the stainless steel components?
Whether you are using a brand cleaner, cleaner/disinfectant, sterilant/disinfectant, it is essential you thoroughly rinse and dry the components after use. This prevents residue buildup, reduces the risk of cross-contamination, and extends the service life of the mopping system. Please note, if you disinfect with sodium hypochlorite the service life of your equipment will be compromised. Rinsing is imperative.

Are TruCLEAN Mopping Systems and components autoclavable? Yes, all TruCLEAN products are compatible with gamma, ethylene oxide, and autoclave sterilization - up to 250°F (121°C) for 30 minutes. Steam sterilization requiring 275°F (125°C) for 60 minutes and repetitive daily autoclaving will necessitate replacing the 3" casters with the 4" caster. Dampen systems, components and consumables prior to autoclaving.

Do you have a non-swivel mop frame for use on ceilings and walls? Yes, the non-swivel mop frame(No. 22-39) is ideal for cleaning technicians who have difficulty controlling the swivel mop frame on the ceilings and walls. A red or blue handle can be used to help differentiate it from others in the tool cache. To prevent the swivel action, key spots are welded on the mop frame. Only a back and forth motion is enabled.