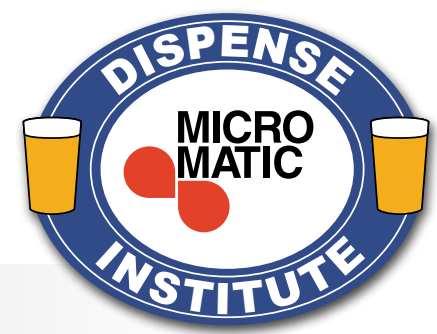


DRAFTLINE - BEER LINE CLEANING



What is Draftline?

Draftline is a beer line cleaning chemical for draft beer equipment, It 's very effective for removing organic contaminants.

Draftline contains chemicals and should be used with caution. Always use protective equipment.

Draftline consists of sodium hydroxide (NaOH) 30%, and surfactants. It 's pH is 13,5. (Alkaline)

Sodium hydroxide counts as a strong alkaline and is corrosive.

Draftline does not contain any chlorine, because over a pH of 7 Chlorine rapidly loses effectiveness and in a pH of 11 it no longer is working as a sanitizer.

Draftline contains proprietary additives which allows for increased cleaning ability and quicker rinsing.



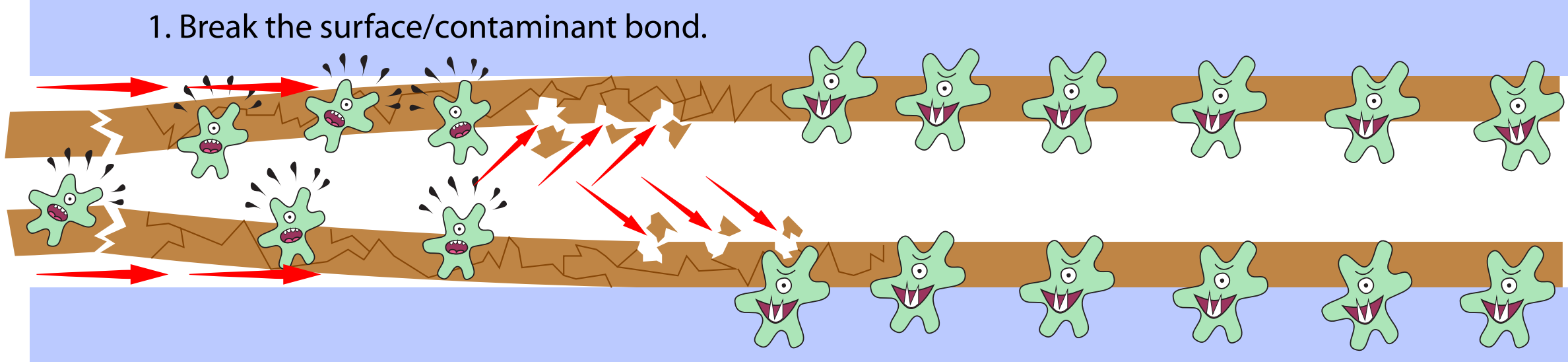
DRAFTLINE - BEER LINE CLEANING



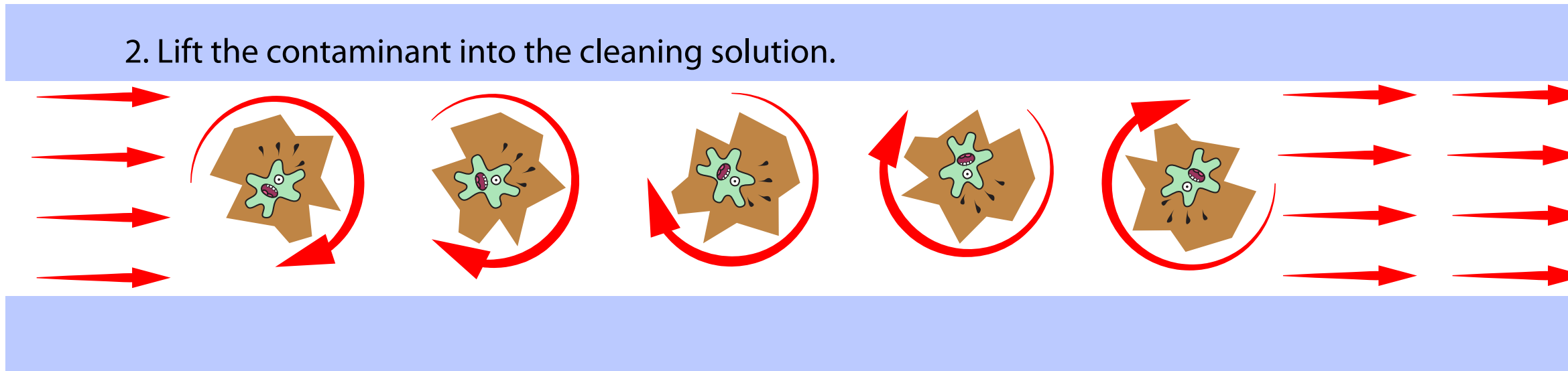
How does it work?

Three main actions need to take place:

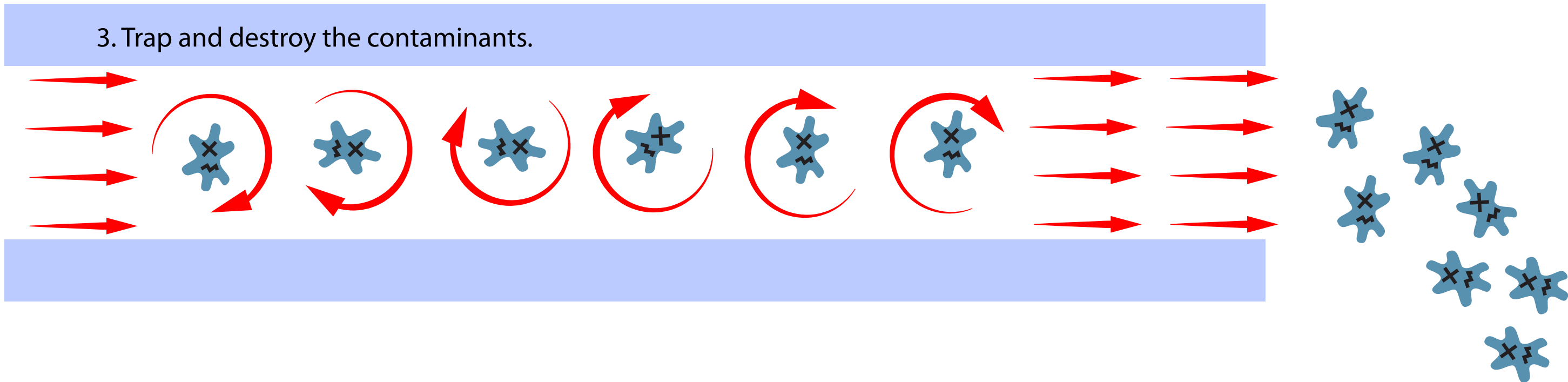
1. Penetration of the cleaning solution between the contaminant and the surface -i.e. breaking the surface/contaminant bond.



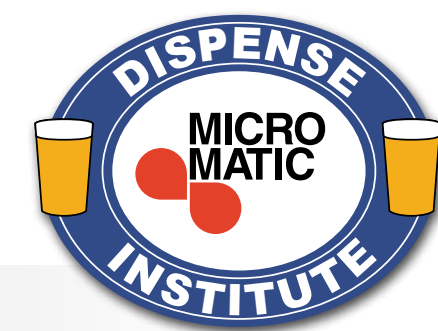
2. Ability to lift the contaminant into the cleaning solution.



3. Ability to trap and destroy the contaminant so that it stays in the cleaning solution and is not re-deposited as the cleaning solution is removed by rinse water.



DRAFTLINE - BEER LINE CLEANING



Security advices and practical tips

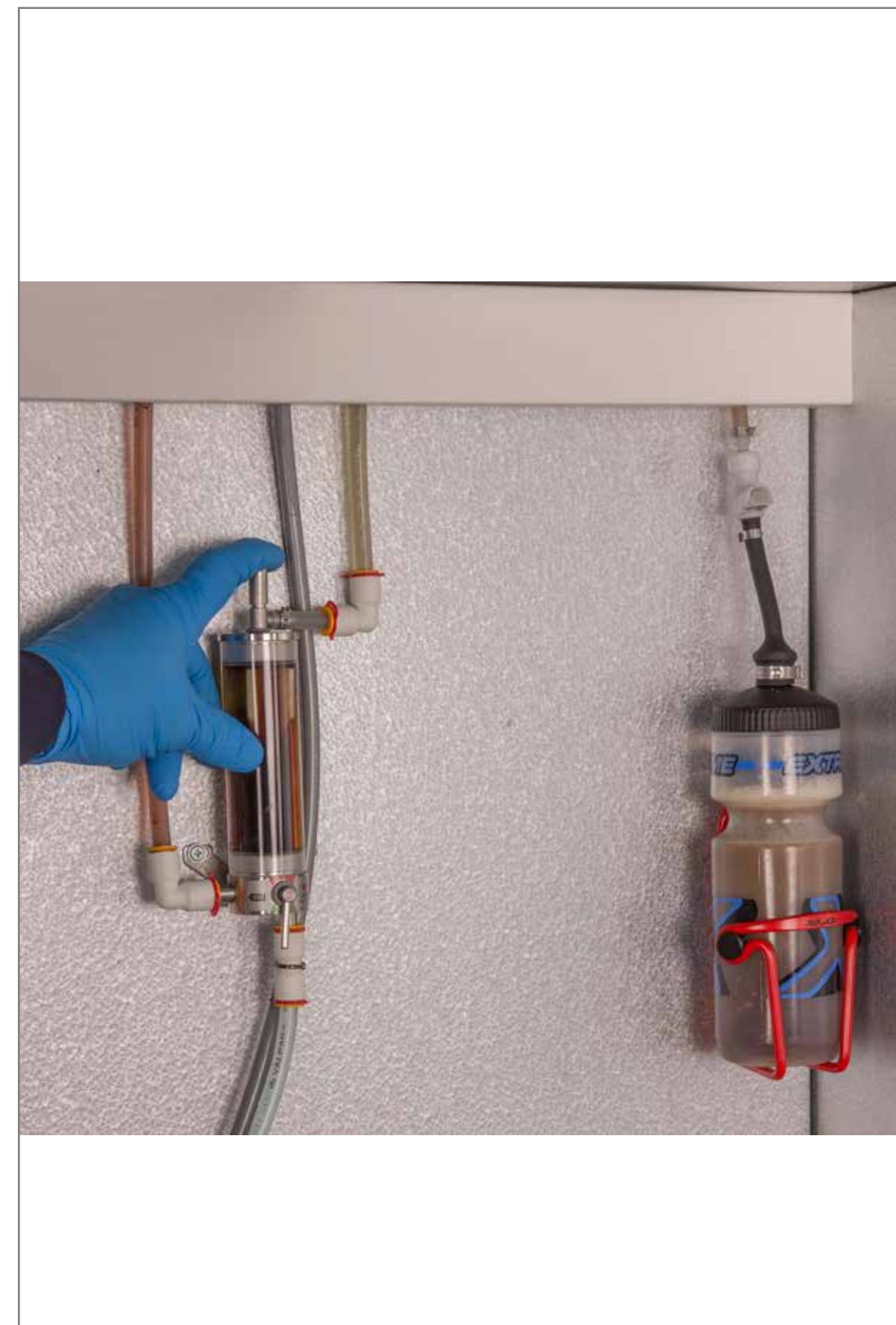
Check that the nut is securely tightened before starting the cleaning process.



Check so that the proper non-return valve plunger is used. The updated version is made from a softer material which prevents leakage.



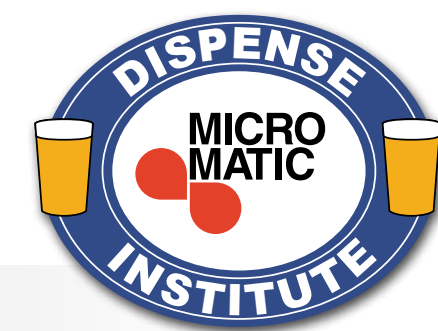
Be careful when venting the fob detector, cleaning solution can splash from the drain pipe. When using a bottle, keep in mind it easily gets overfilled.



Always place warning signs on the taps during the cleaning process.



DRAFTLINE - BEER LINE CLEANING



Security advices and practical tips, continued

The cap tap makes it easier to pour detergent in a safe and controlled way.

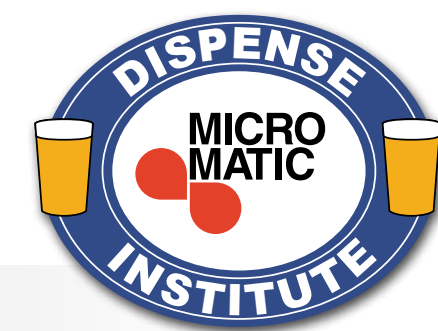
Check all equipment for cracks and wear. Make sure to flush the pump with clean water after use and keep all equipment clean.

The universal filling hose is a flexible solution when you are filling the cleaning bottle in tight spaces.

Wipe away all spillage



DRAFTLINE - BEER LINE CLEANING



Safety equipment

Always wear Diphoterine bottle of Eye Wash in your belt.



Rubber gloves wear should be used during the entire cleaning process.



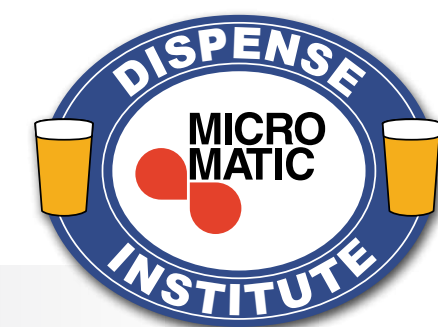
Protective glasses should be used during the entire cleaning process.



If you get detergent on your clothes, take them off immediately. Always carry a new change of clothes in the car.



DRAFTLINE - BEER LINE CLEANING



1. Fill the cleaning bottle with cold water.
Use some sort of tray or other protection if the floor surface is sensitive.
Always try to "work low", meaning that you always handle and place the cleaning solution and it's containers as near the floor level as possible to avoid spillage and sprinkle.

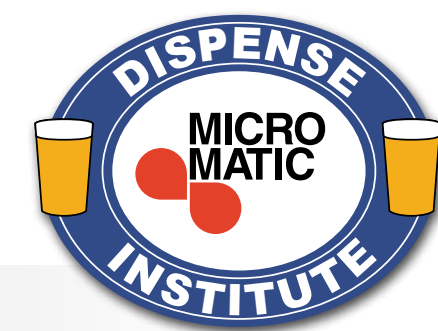
2. Carefully mix 5-10% Draftline.*
A tap should be used to avoid spillage.

*
10%=1,8L in a 18L Cleaning Bottle. (Dirty lines)
5%=0,9L in a 18L Cleaning Bottle. (Normaly contaminated lines)

3. Mix the cleaning solution by turning the cleaning bottle a few times.



DRAFTLINE - BEER LINE CLEANING



4. Connect the keg couplers.



5. Vent the fob detector until it's completely filled with cleaning solution.



6. The fob detector is now filled with cleaning solution.



DRAFTLINE - BEER LINE CLEANING



7. Flush the system with cleaning solution. Open and close the tap quickly a few times to create agitation in the system, this gives an extra cleaning effect. Let the cleaning solution soak in the system for 20 minutes. Also open and close the taps during the soaking period. Save some cleaning solution in the bucket for later use!



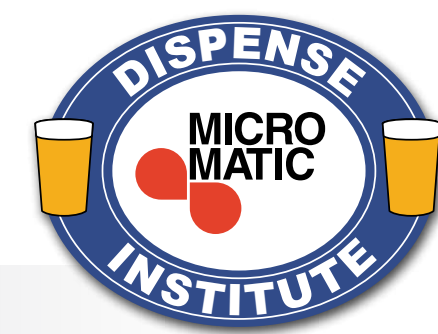
8. Rinse and fill the cleaning bottle with cold, clean water and connect the keg couplers.



9. Vent the fob detectors thoroughly with water.



DRAFTLINE - BEER LINE CLEANING

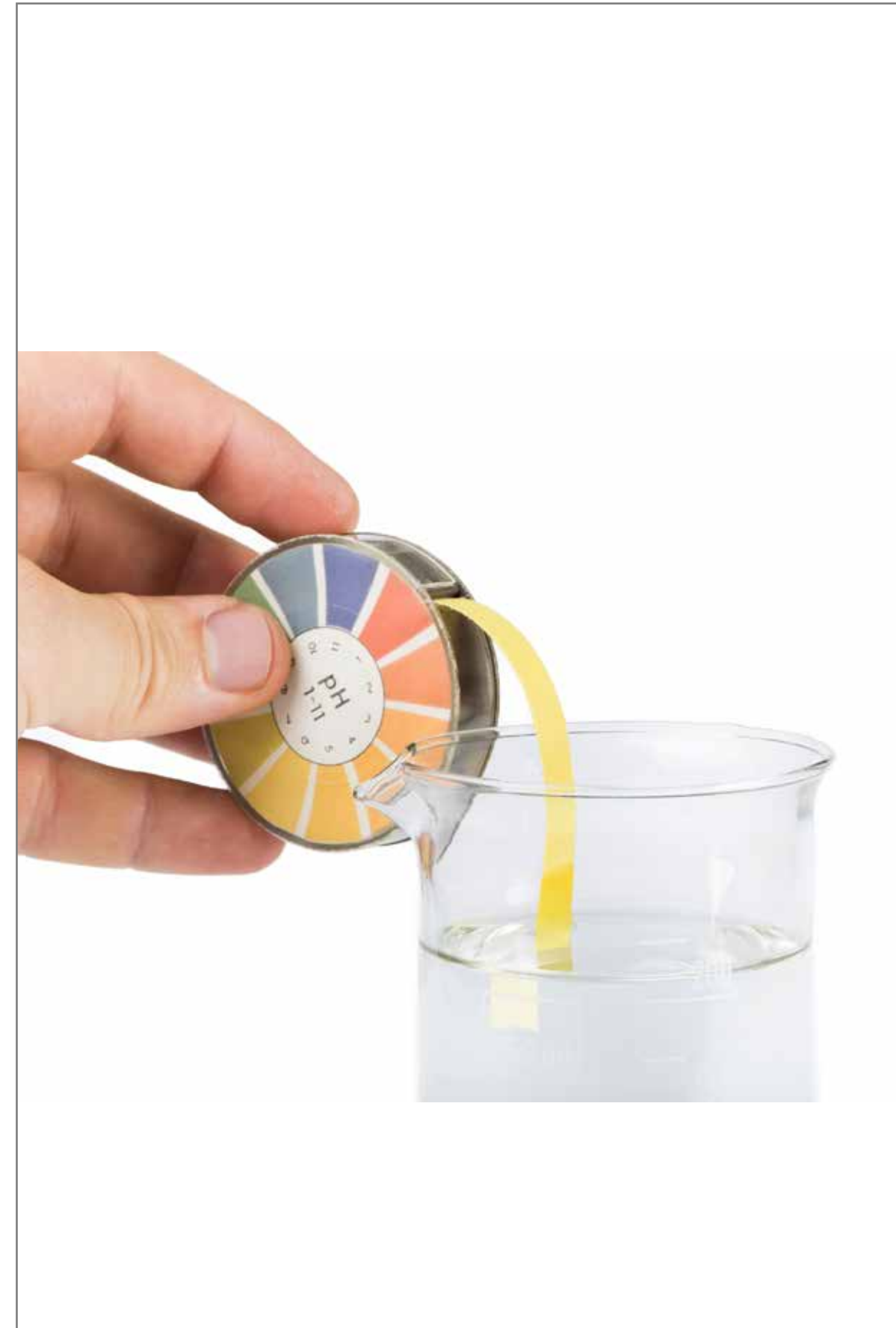


10. Flush the system with water until there are no remains left of the blue cleaning solution, then rinse another 5 liters per tap with water.

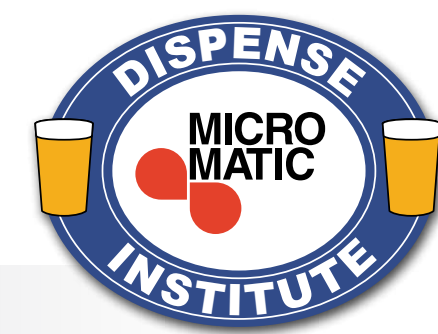
11. Check with pH-paper that pH is neutral.

12. Disconnect the keg couplers and release the system pressure by opening the taps. Then unscrew the taps from the shanks and disassemble them.

13. Clean the parts with a brush and let them soak in a weak (~1%) cleaning solution for a few minutes, then rinse them in clean water and reassemble the taps.



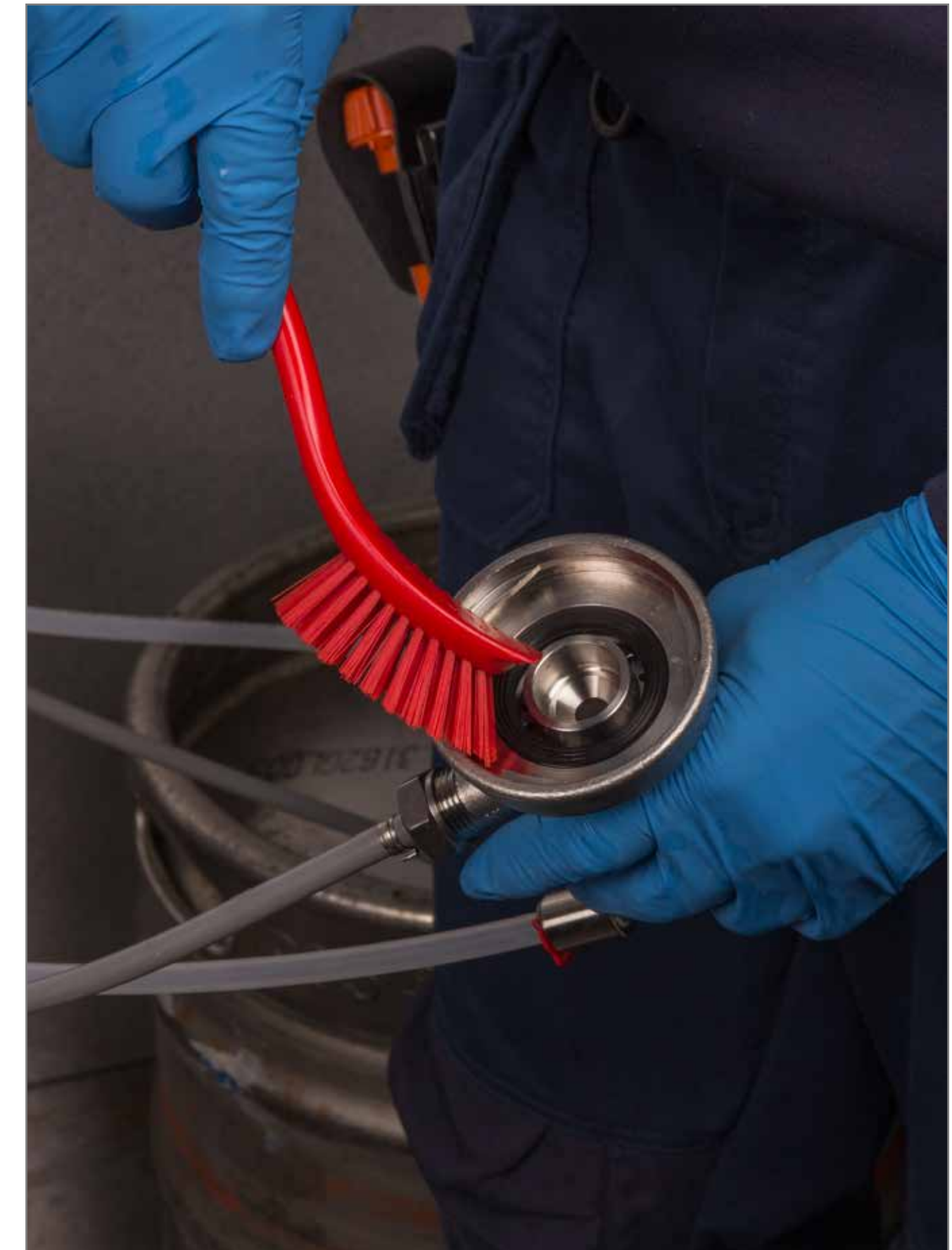
DRAFTLINE - BEER LINE CLEANING



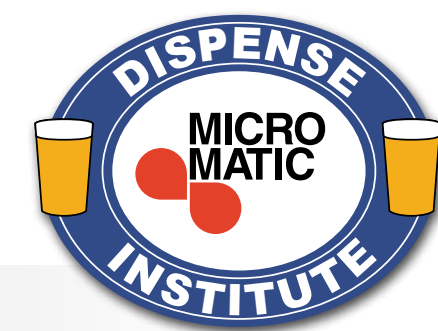
14. Carefully brush and clean the keg couplers in a weak (~1%) cleaning solution, then rinse them in clean water.

15. Rinse them in clean water.

16. If there are any stains or deposits left, carefully brush them away. Then rinse again in clean water.



DRAFTLINE - BEER LINE CLEANING



17. Make sure everything is closed and tightened, then connect the beer kegs.

18. Vent the fob detector until it's completely filled with beer. Release float if needed.

19. Open the taps and pour until there is a clear flow of beer. Now the cleaning procedure is finished.

20. Always wipe away all remains of cleaning solution on work benches etc. as it causes stains on painted surfaces.

