Cleaning of Milking Machine

Example of Weekly Milking Machine wash routine (is highly recommended to set a weekly routine)

- Sunday -Cold Detergent Circulation
- Monday - Hot Wash Detergent Steriliser
- Tuesday - Cold Detergent Circulation
- Wednesday - Cold Detergent Circulation
- Thursday - Hot Acid Descale, followed by a Cold Detergent Circulation
- Friday - Cold Detergent Circulation
- Saturday - Cold Detergent Circulation

Cold circulation cleaning of Milking Equipment

Steps:

1. Wash outside of clusters and attach clusters to jetters and remove milk filter
2. Rinse plant with 14 litres (3gls) of cold clean water per cluster unit
3. Make up the cold cleaning solution using an approved caustic detergent at the recommended rate in cold water allowing 9 litres (2gls) of solution per cluster
4. Allow the first 5 litres (1gls) of cleaning solution to run to waste, and circulate the remainder solution for 8-10 minutes. *Solution may be retained for the second daily wash. Leave the solution in the plant until the next milking.*
5. Just before the next milking rinse plant with 14 litres of cold clean water per cluster
6. After step 5 is complete, **Peracetic Acid** products may be added as a steriliser, at the manufacturer recommended usage rate to **an additional rinse** water cycle.
7. Ensure the milk lines are completely drained before milking

Hot circulation cleaning of Milking Equipment *(minimum once a week)*

Steps:

1. Wash outside of clusters and attach clusters to jetters and remove milk filter
2. Rinse plant with 14 litres (3gls) of cold or warm water per cluster unit
3. Make up the cleaning solution using an approved caustic detergent at the recommended rate in hot water (75°-80°C) -allowing 9 litres (2gls) water per unit.
4. Allow the first 5 litres (1gls) of cleaning solution to run to waste and circulate the reminder for max 10 min. Stop circulating when return water temperature falls below 60°C. DO NOT REUSE HOT WASH SOLUTION
5. After the circulation wash, rinse the plant with 14 litres of cold clean water per unit to remove the detergent residue.
6. After step 5 is complete, **Peracetic Acid** products may be added as a steriliser, at the manufacturer recommended usage rate to **an additional rinse** water cycle.
7. Ensure the milk lines are completely drained before milking

Acid descaler or milkstone removers (always follow with normal cold wash)

Once weekly, after step 2, add an acid descaler (milkstone remover) at the recommended rate to hot water, allowing 9 litres (2gls) of solution per unit, circulate the solution for 8-10 min and discard. After, rinse plant with 14 litres (3gls) of cold clean water per unit and continue with steps 3,4,5,6 and 7 from cold cleaning circulation.

Caution: Never mix caustic and acid together!

Common Mistakes identified on Farms

- Recycling detergents for 2 to 3 days
- Incorrect dilution rates/use of detergents
- Not knowing the capacity of wash troughs.

- Incorrect volume of water allowed per unit
- Circulating the wash solution to long
- No proper descaling / milk stone removal.
- Rubber fittings not changed.
- No proper hot wash. Water not hot enough (>75°)
- Not descaling regularly enough to suit water type/hardness.
- Not doing a caustic wash after a descale (removes loose debris).