DAIRY · MILK COLLECTION · SOP

Bulk milk cooler (BMC) cleaning SOP

Clean a BMC immediately after every milk lift. Rinse with lukewarm water, scrub or circulate a dairy detergent such as INNOVA CanClean, rinse until the water is neutral, then sanitise with INNOVA PAA 15 before the next milk. Add a regular acid wash with INNOVA CIP Descale to stop milkstone, which hides bacteria.

CENTRE / BMC NO.	CAPACITY (L)	DATE	SHIFT

Procedure after every milk lift

Step	What to do	INNOVA product	Done
1. Rinse	Right after the milk is pumped out, rinse the tank and balance tank with lukewarm water (about 50 °C, NDDB).	Water	☐
2. Detergent wash	Scrub by hand, or circulate the detergent in CIP-equipped BMCs, including the agitator, outlet valve, pump and pipe.	INNOVA CanClean (daily cleaner cum sanitiser)	☐
3. Rinse	Rinse with warm water until the drained water is neutral pH.	Water	☐
4. Sanitise	Spray or circulate a cold sanitiser before the next milk.	INNOVA PAA 15 (no rinse)	☐
5. Acid wash (regular)	After the detergent step, wash with an acid cleaner to remove milkstone. More often with hard water.	INNOVA CIP Descale	☐

Before the next milk: checks

Check	OK	Not OK	Action
No white or yellow film on walls, agitator blade and outlet valve	☐	☐	
No sour or cheesy smell after the final rinse	☐	☐	
Last rinse water runs neutral (no detergent left)	☐	☐	
Sanitiser applied before the next milk	☐	☐	
Condenser clean (NDDB: every 10 to 15 days)	☐	☐	

Cleaning record

Date	Time	Steps done	Product and dose	Rinse pH neutral?	Done by

Date	Time	Steps done	Product and dose	Rinse pH neutral?	Done by

Sign-off

DONE BY	CHECKED BY (QA)	APPROVED BY
Name, signature and date	Name, signature and date	Name, signature and date

Use the dose, temperature and contact time on each product’s technical data sheet (TDS) and your site’s validated cleaning programme. Read the SDS and wear the PPE it lists. Never mix chemicals. This sheet is a guide; follow your plant QA plan and current FSSAI requirements. SDS and TDS: www.innovachem.in/resources/sds-tds/