



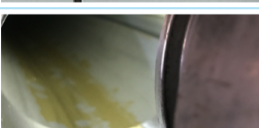
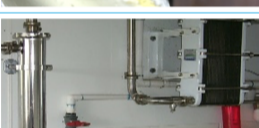
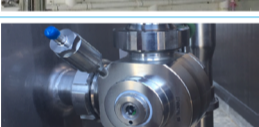

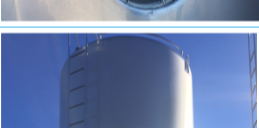



WEEKLY CHECK

Hot Spots in your Dairy Plant

Check these hot spots weekly and record the date in your Dairy Shed diary to help prevent milk quality grades. These are the most common places for hygiene issues to occur in the plant and bulk milk tank.

Your Ecolab Territory Manager can help you identify these hot spots for your shed so they are easy for you to find and check. Be proactive as prevention is better than cure.

HOT SPOT	LOOKS LIKE	HOW TO CHECK	WHAT TO DO TO FIX ANY ISSUES FOUND
1. CLUSTER		Open the cluster and leave to dry for a couple of minutes, then check the 'O' ring and the surface of the base and bowl looking for debris and protein build-up. Also check for split liners and claw tubes.	Replace 'O' ring if damaged at all. Liners are designed to do 2500 milkings, if they are past that they should all be replaced. Replace any claw tubes with holes in them. If cluster is soiled in any way, scrub with a solution of Impact, Autokleen, Liquid S Klenz and check jetter performance on that set. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
2. RECEIVAL CAN		Take ends off receival can, remove rubber seals and allow to dry for a couple of minutes, then inspect surface with torch looking for protein build up. Could be in the form of a rainbow.	If protein is present, then scrub with solution of Impact, Autokleen, Liquid S Klenz . Wash rubber end seals with the same solution or replace if needed. Check operation of the slug washer if fitted as this could be the cause of protein build up. Get serviced if it is not operating correctly. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
3. MILK PUMP		Undo union on non return valve above pump and check the non-return valve. Check the drain hole under and behind the backing plate of the pump by poking a pen or similar up there and checking for soiling.	If non-return valve above Milk pump is broken then get it replaced. If soiling up inspection hole then the ceramic seal in the back of the pump is leaking milk. Get the pump serviced, replacing the ceramic seal.
4. SANITARY TRAP		Remove end covers, allow to dry then check stainless surface for protein and milk soiling. Take rubber seals off end covers.	Scrub clean with Impact, Autokleen, Liquid S Klenz solution to remove protein. Wash rubber seals with the same solution then rinse everything with fresh water and put back together. If heavy soiling is encountered, check operation of slug washer if fitted and service if needed. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
5. MILK LINE		Remove end caps or undo at each union. Place a torch in one end of a section and look down section from the opposite end. Looking for shadows or areas of protein.	Scrub each dirty section with Impact, Autokleen, Liquid S Klenz solution and then do a BOMB Wash using the recipe below, recycling through plant. Check with your local Ecolab TM if uncertain. Check performance of slug washer and service if needed. Check for blocked jettors also near the dirty section. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
6. PLATE COOLER INLET & FILTER HOUSING		Remove filter cage and use a torch to shine up inside the filter housing checking for protein especially around the top and seal. Undo milk ENTRY pipe from filter to cooler and check in throat of Plate Cooler. Build up will occur from the back of the cooler forward.	Wearing safety gear, scrub filter housing with Impact, Autokleen, Liquid S Klenz solution to remove protein. If debris is visible in entry to plate cooler then get plate cooler serviced and cleaned by your service person. Ensure filter sock is not compromised and holes appearing in them. Filter socks should only be used for one milking. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
7. VAT BACK ENTRY		When bulk milk vat is full check back entry CIP line to ensure no milk is being forced up the tube from the vat. When empty undo the unions around main vat valve and check all internal areas for milk build up or soiling.	If there is milk in the CIP line then the small non return valve is not sealing. Dismantle and check that the spring is seated and not broken. If it is, it will need to be looked at by a dairy technician. Also check the short pipe from valve to vat as this is cleaned by the CIP line. If milk build up in any areas around vat valve clean with Impact, Autokleen, Liquid S Klenz solution. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
8. VAT DOOR & OUTLET		Take door right off, remove door seal, inspect agitator, check behind and below door, check inlet. You are looking for protein soil so ensure the surfaces are dry before checking.	Manually scrub all areas you can reach with Impact or Liquid S Klenz solution. Areas like agitator, outlet, behind and below door. Scrub the vat from outside and do this before you do your daily vat CIP. DO NOT ENTER THE VAT unless you are confined space trained. ALWAYS WEAR CORRECT PPE AND READ THE CHEMICAL LABEL FOR CORRECT MIXING INSTRUCTIONS.
9. VAT/BULK MILK TANK		While the bulk milk vat door is off and the surface is dry, check the internal walls. You are looking for any sign of milk soil either as a rainbow colour (Protein) or if it is bad enough a brownish deposit which is thick protein.	If there is any protein on the walls it maybe because the sprayball has blockages in it. Remove sprayball and check and clear. DO NOT GET INSIDE THE VAT UNLESS QUALIFIED CONFINED SPACE COURSE COMPLETED AND YOU HAVE SOMEONE WITH YOU. Then do a high strength vat wash using the BOMB wash recipe below using Impact and re-cycle if possible. Re check vat and repeat if needed.
10. PULSATOR AIR LINE		Open sanitary trap and look for any milk residues or smells that indicate milk soil somewhere.	If you get a split inflation, rinse Pulsator line via the fitted rinse injection hoses with cold or warm water with pulsators on. If old soiling flush with mild alkali solution and sanitise.
OUR SHED HOT SPOT #1			
OUR SHED HOT SPOT #2			
OUR SHED HOT SPOT #3			

TROUBLE SHOOTING BOMB WASH	Milk Plant Bomb Wash Recipe	Bulk Milk Tank Bomb Wash Recipe
<p>Perform a BOMB wash at the start of the season, if you have a hygiene issue during the season. A BOMB wash will remove most deposits that have built up including scale, fat and protein if they are done properly.</p> <p>Follow your normal wash program procedures but follow the BOMB wash recipe. Recycle the BOMB wash water for up to 10 minutes to increase chemical contact time.</p>		
Carefully follow your Chemical Safety Chart, and always wear appropriate Safety Gear for personal protection		
FOR SPECIALISED HYGIENE SUPPORT CALL YOUR LOCAL ECOLAB TERRITORY MANAGER:		