

INFORMATION GUIDE CLEAR LINER AND SHELL

PRODUCT OVERVIEW

- ✓ Fast efficient milking
- ✓ Soft & supple to accommodate all teat sizes
- ✓ 'No creep' action helps reduce incidence of machine caused by mastitis
- ✓ Lower weight - helps reduce udder sag and distortion, thereby enhancing cows working lives
- ✓ Maximum cow comfort
- ✓ High strength medical grade silicone for long lasting life, and maximum hygiene potential
- ✓ Silclear liners work using standard parlour set-ups which are generally between the values of: - **Pulsation:** 50-65 ppm **Ratio** 60:40, 65:35, 70:30 **Vacuum** 42-55 kpa



SETUP CHECKLISTS

Get the best from you Silclear Liners & Shells by working through the following

Parlour

Does the parlour perform to the latest recommended specifications? (preferably at least to BS/ISO 5707 1996).

Write Down

- the present operating vacuum (kpa level)
- pulses per minute (ppm)
- pulsation ratio
- vacuum reserve

Jetters

To help ensure good wash-through we recommend the use of either internal rose jetters, or external silicone cup letters (both types of letter are available from Silclear - please contact Silclear for more information).

Clawpiece

- 1 The total claw piece weight including the Silclear liners, shells and short pulse tubes should not exceed 2kg - this means that stripped down you claw piece should weigh no more than 1kg.
- 2 Will the design of your claw piece accept the push on fit of the Silclear liners?
- 3 At the claw piece end of the liner the inside diameter is 9mm which will comfortably stretch to fit onto most claw piece nipples. For the larger claw piece nipples it may be necessary to use a drop of soapy water to help fit the liners initially (never use silicone sprays as these will make the joints permanently slippery!).
- 4 It is important that the claws-pieces hang square under the cow.
- 5 Check the design of the claw piece milk nipples where the liners attach - some are curved to the extent that they can act as a baffle and hinder milk flow out of the liner.
- 6 Check the condition of the claw inlets - are any burred or chipped? If there are any sharp or jagged edges remove with a file, and smooth-off with emery paper.
- 7 Is the milking plant cleaning system working to maximum efficiency? Check temperatures, volumes velocities, and chemical dilutions.

Installing

- 1 De-burr claw inlets to ensure a smooth round finish on the end of the spigots.
- 2 Thoroughly clean spigots, degrease with hot soapy water, ensure removal of old rubber ware residue and milk fat, rinse with hot water and dry
- 3 Attach liners to claw - make sure the end of the spigots are placed in the thickened section of the liner.
- 4 Check alignment to ensure that the liners are straight in the shells - use vertical marking on liners if need be (very easy to tell if liners are twisted with the clear shells)



Watch the first milking - discuss with one of our Technical Support team - some minor adjustments to the parlour settings may be required to optimise the performance of the liners in the parlour.

Watch the first cleaning cycle to ensure that the liners washing through without impediment.

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GENERAL CLEANING AND CARE



Silclear silicone products (tubing, pipeline fittings and liners) will give very long service **PROVIDING** they are cleaned effectively. Grease accumulations are detrimental to silicone components - all grease needs to be regularly cleaned off to maximise the potential working life of all Silclear products.

Daily Cleaning

- 1 Internal milk contact surfaces: ensure that all milk contact surfaces are thoroughly degreased and sanitised after each milking.
- 2 External surfaces: all external surfaces need to be washed using hot soapy water, preferably after every milking.
- 3 Liners & Shells: should and milk/oil/contamination residues be seen inside the shell, follow the 'periodic cleaning procedure' for the affected liners.

Periodic Cleaning

To help maximise on the longevity of the silicone liners, it is recommended that the process itemised below is carried out every 6-8 weeks over and above the normal daily dairy hygiene practices.

Liners & Shells

- 1 Slip shells down off the liners to thickened section at the bottom to expose the barrel of the liners.
- 2 Immerse, agitate and soak liners and shells in a strong solution of washing soda cleaning crystals (sodium carbonate decahydrate), and very hot water for 5-10 minutes. Remove before the solution has cooled down - remember the chemicals and the fats you have removed will come out of the solution and resettle on the silicone if the temperature falls to low - exactly the same as happens with the circulation cleaning chemicals. **PLEASE DO NOT USE CAUSTIC SODA!**

- 3 Clean the inside of the liner, and the shell, with a soft plastic tipped bottle brush, taking care not to scratch, or damage the liner.
- 4 Thoroughly rinse with hot water and let dry.

Claws

- 1 Clean off any dirt and milk fat accumulations, and ensure milk nipples are totally de-greased
- 2 Use hot washing some crystal solution for best effect
- 3 Thoroughly rinse with hot water and let dry.
- 4 Once all dry - reassemble and then replace
- 5 Are the liners straight in the shells?

During use please remember the following

- 1 "Correct cleaning is critically crucial!" - the importance of effective 'Periodic Cleaning' to the performance and longevity of the Silclear liners cannot be over stressed
- 2 Ensure the liners are sitting straight in the shells. Use the marks to check/adjust alignment (easy to do with the clear shells).
- 3 Check wash-through/letters are washing efficiently
- 4 Any queries/problems - please phone immediately



Before each milking use alignment guides to check liners are straight in the shells (**NO TWISTS**)

Thank you for choosing Silclear. For assistance with any Silclear products please get in touch.

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