

# VISION MASTITIS DETECTOR

## Operating Notes

### LOCATION

The Mastitis Detector must be positioned in the long milk tube between the Claw and the Milk Transfer line. Use a section of the tube, which clears of milk at the end of milking.

Site the Detector where it is easily seen and unlikely to collect excessive dirt, or be damaged.

### FITTING

Clean and rinse the Detector. Cut the milk tube at a suitable position and connect the Detector by push fit. Vision Mastitis Detectors will fit 14, 16, 19mm internal diameter tubing. Lubricate or soften the tube in soapy hot water for easier connection. The milk inlet with arrow (see illustration) must be on the side facing the operator.

### OPERATION

The Detector is designed for use and cleaning under vacuum, not pressure. Removal and replacement of the screen is by direct pull and push. The body clamp is self-locking.

Clinical Mastitis is detected by the deposit of clots on the downstream end of the screen shown in illustration 1. Deposits will not normally accumulate along the length of the screen. The Detector will not necessarily retain every clot, but show a representative sample. It will, however, retain the majority.

Illustrations 2 - 4 are intended as a guide to the type of conditions, which may arise. The amount of clots indicates the degree of abnormality. A few small clots (illustration 2) found only once does not necessarily indicate mastitis. However repeated detection of a few clots or many clots, (illustration 3), indicates mastitis requiring therapy under veterinary guidance. The affected quarter is found by palpation or by examination of the milk.

If a screen becomes fully blocked, it is designed to allow milk to bypass without any adverse effect to milk flow.

The Vision Mastitis Detector is ergonomically designed for the rapid removal of mastitic milk deposits during milking. Simply remove the soiled screen, wash with running water and replace.

### CLEANING

At completion of milking, remove screen, reverse it and wash with running water to remove any deposits and external soiling.

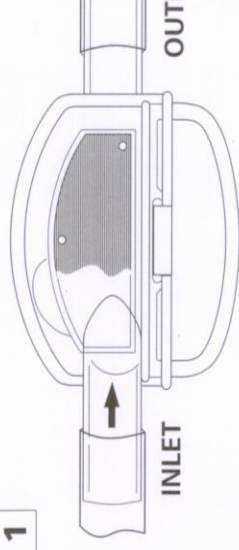
The screen must be in place for line cleaning.

The design provides access for cleaning fluid to all milk contact surfaces of the Detector during normal circulation cleaning.

Do not use a brush or scraper on the mesh.

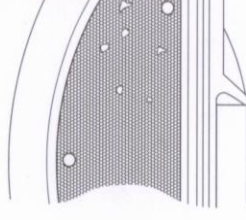
**NOTE:** Any distortion observed in the mesh is due to the natural movement of plastics in conjunction with hot and cold liquids and does not in any way effect the performance of the unit.

1



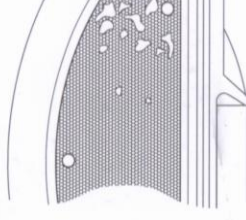
Normal milk - no clots found.

2



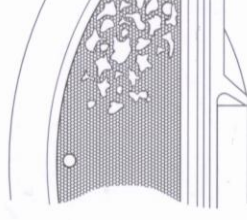
A few small clots found only once do not indicate mastitis.

3



Repeated detection of a few clots or many clots on one occasion indicate mastitis requiring therapy under veterinary guidance.

4



Clinical mastitis at an advanced stage.