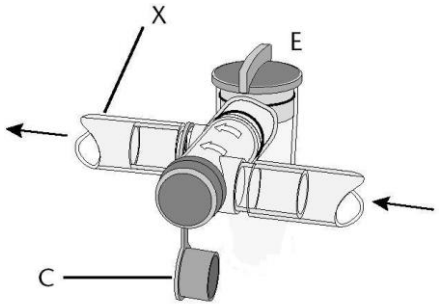

LOW-LEVEL

FIG. 2

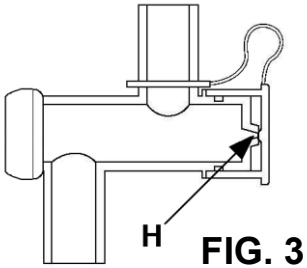

FIG. 3

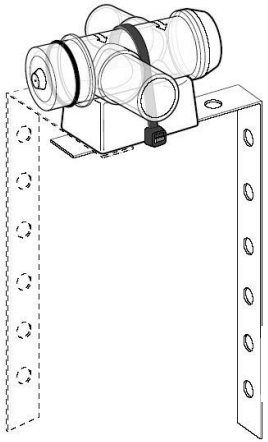

FIG. 4

GENERAL INFORMATION

The Ambic MilkSampler is designed to take a representative sample of milk suitable for a variety of diagnostic purposes.

It will operate on all standard milking systems using vacuum levels of 40 - 50 kPa (12-15 in. Hg). It is not necessary for the Sample Bottle (**A**) to be full. The amount taken will depend upon the yield of the individual cow/goat, speed of milking, type of parlour and the vacuum level. A minimum sample size of 20ml is required and the sample bottle will hold a maximum of 200ml.

INSTALLATION

MilkSamplers should be fitted to all milking positions and in a place that is easily accessible. The section of Long Milk Tube (LMT) chosen must be where milk is either near horizontal (Low level parlours – **Fig. 2**) or moving upwards (**Fig. 1**). Cut LMT (**X**) and push in Body (**B**), noting flow direction arrows (**Fig. 2**). Before inserting in the outlet tube, fit ring of Sealing Cap (**C**) over spigot ensuring that the open end faces towards the nozzle of the Body (**B**).

Ideally the Sampler should be installed where its position throughout the milking is reasonably stable (i.e. not swinging about). The plastic mounting block enables the Sampler body to be easily fixed to the stainless-steel angle bracket, or to a flat surface. Secure the Sampler Body to the mounting block using a single cable tie (**Fig. 4).** The angle bracket should be firmly fixed to a wall or the underside of a pit kerb (as appropriate) with the block fixed to whichever arm serves to position the Sampler body most conveniently.

Important: Failure to position the Sampler correctly may result in either insufficient sample volume being taken, or a much less representative sample.

OPERATION

When samples are not required, push the Sealing Cap (**C**) firmly onto the nozzle end of the Body (**H**). **(Fig. 3**). **Note:** Vacuum will ensure correct sealing.

When samples are required, remove the Sealing Cap (**C**) and push the Sample Bottle assembly (**A, D, E & F**) onto the body, ensuring that the bottle hangs down. For a sample to be taken the Valve (**E**) must be “On”. See **Fig. 2**.

In some cases, especially where Automatic Cluster Removers (ACR) are fitted, a residue of milk will remain in the loop of the LMT. To prevent this surging into the Sample Bottle when the vacuum is activated, turn the Valve (**E**) through 90º to “Off”, until the cluster is fitted to the animal, then immediately the cow/goat starts milking turn to “On”.

If a sample is not required immediately the Sample Bottle can be left in position with the Valve turned to “Off”.

When the cow/goat being sampled has finished milking detach the Sample Bottle from the Bottle Collar seal (**D**) (the Valve may be left either open or closed) by gripping and tipping slightly towards the long milk tube to break the seal. The Bottle is supplied with a removable Closure Cap with retaining strap (**G**) which may be used to cap the bottle until ready for testing. Alternatively, pour the contents of the Bottle into a suitably capped and identified sample pot.

Prior to the wash cycle remove all Sample Bottles, complete with valve assemblies, leaving only the Body (**B**) in place in the Long Milk Tube. Push on Sealing Caps (**C**). The Body unit is designed to wash and drain in the cleaning cycle – however, it is advisable to wash both the body end where the sample bottle and valve assembly are attached and the inside of the Sealing Cap on a regular basis.

Sample Bottles, Bottle Adaptors, their Collars and Valves must be separated and thoroughly sterilised. These can then be stored in a dry, dust-free place, avoiding direct sunlight, until next required.

MAINTENANCE

Ensure that the outside of the Body (**B**) and inside of the Sealing Cap (**C**) are washed regularly. Ensure that the sample hole (**H** in **Fig. 3**) in the Body nozzle is clear and clean (it is of a similar size to a claw piece air bleed).

Important: Do not push over-sized cleaning wire or drills into the sample hole as this will affect the volume of sample taken.

FOR GOAT SAMPLERS (AMS/300 & AMS/304) – The body has a larger sample hole.

BOTTLE COLLAR - NOTE: There is a correct way up for this seal. (refer to **D** in **Fig. 1**).

SPARE PARTS

Part No.	Description
AMS/200	MilkSampler Complete for Cows
AMS/300	MilkSampler Complete for Goats
AMS/202	MilkSampler Bottle (200mL)
AMS/203	MilkSampler Sealing Cap
AMS/204	MilkSampler Body for Cows
AMS/304	MilkSampler Body for Goats
AMS/206	MilkSampler Bottle Adaptor
AMS/207	MilkSampler Bottle Collar
AMS/208	MilkSampler Bottle Collar & O-ring set
AMS/209	MilkSampler Bottle Closure
AMS/210	MilkSampler Service Kit
AMS/008	MilkSampler O-Ring Spares Pack (6)

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MS7502 v2.1 04/07/2025

AMBIC™

MILK SAMPLER

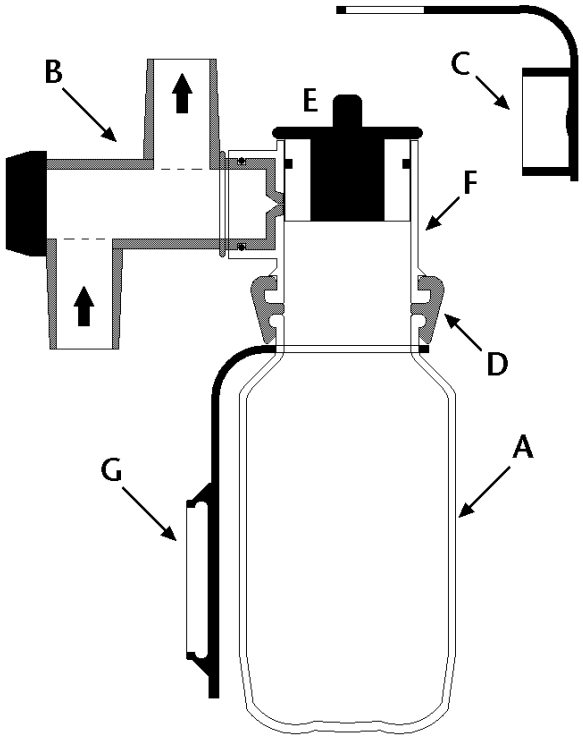

FIG. 1

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