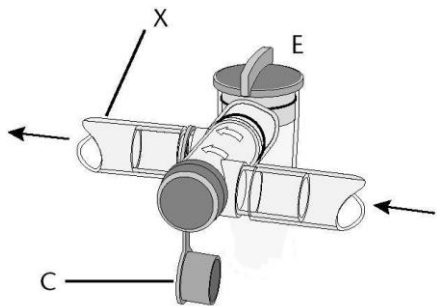
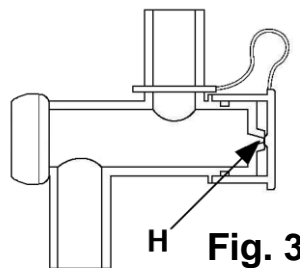


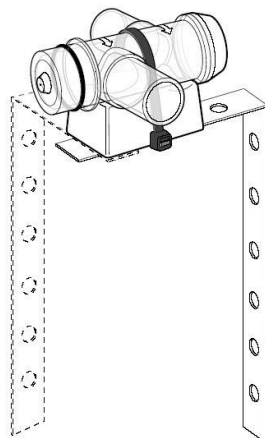
**Fig. 1**



**Fig. 2** LOW-LEVEL



**Fig. 3**



**Fig. 4**

## GENERAL INFORMATION FOR THE AMS/300 GOAT SAMPLER

The Ambic MilkSampler is designed to take a representative sample of milk suitable for a variety of diagnostic purposes. (This model is specifically designed for sampling goats)

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 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. 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). It should be in a position that is easily accessible. Cut LMT (X) and push in Body (B) noting flow direction arrows (Figs. 2). Prior to 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 and simply fixed to the stainless steel angle bracket, or a flat surface. The Sampler Body is secured to this mounting block simply by means of 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

Normal set up, when samples are not required, will be with the Sealing Cap (C) pushed firmly onto the nozzle end of the Body. (Fig. 3).

Note: Vacuum will ensure correct sealing.

When samples are required, remove Sealing Cap and push on Sample Bottle assembly (A, D, E & F) ensuring that it hangs vertically downwards. 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 90° to "Off", until the cluster is fitted to the goat then immediately the goat starts milking turn to "On".

If a sample is not immediately required, the Sample Bottle can be fitted and left in position with the Valve turned to "Off".

# AMBIC™

## GOAT MILKSAMPLER

When the goat being sampled has finished milking:

Detach the Sample Bottle from the Bottle Sleeve 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. 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 Sleeves 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

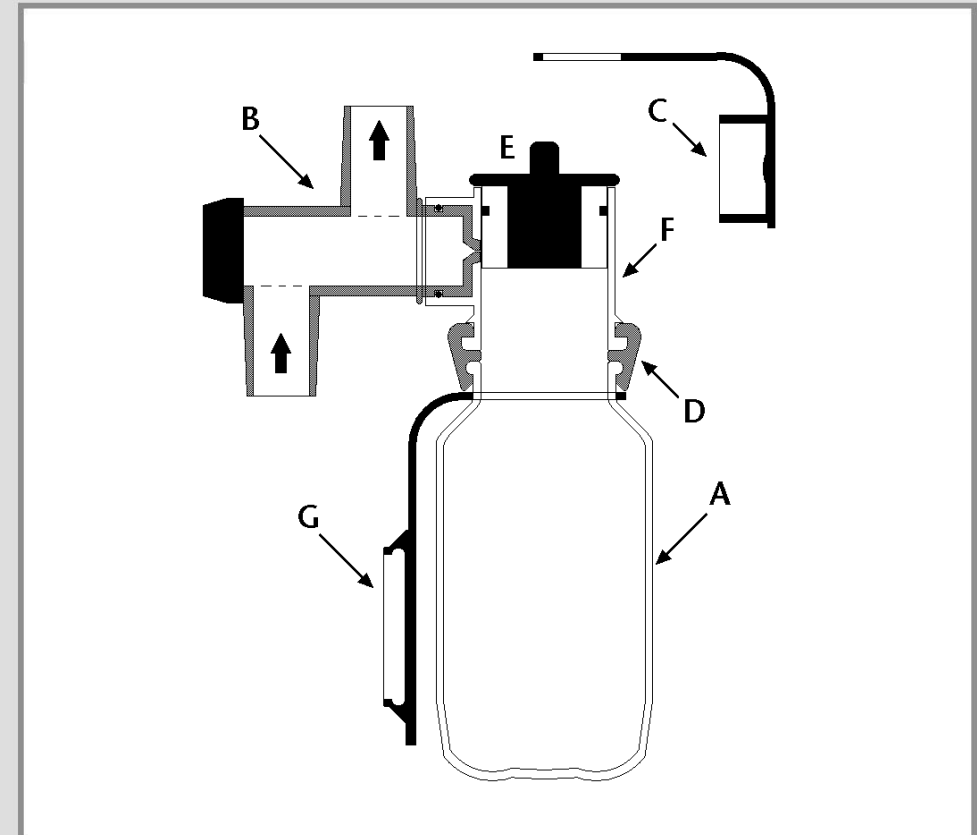
Ensure that the outside of the Body (B) and inside of the Sealing Cap (C) are washed regularly. Ensure that the sample hole (H in Fig. 3) in the Body nozzle is clear and clean (it is 2 mm diameter - slightly larger than a clawpiece air bleed).

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

### BOTTLE SLEEVE

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

Part No.	SPARE PARTS 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 Sleeve & O-ring set
AMS/209	MilkSampler Bottle Closure
AMS/210	MilkSampler Service Kit
AMS/008	MilkSampler O-Ring Spares Pack (6)



## OPERATING INSTRUCTIONS

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