

EasiFoamer™ FAQs

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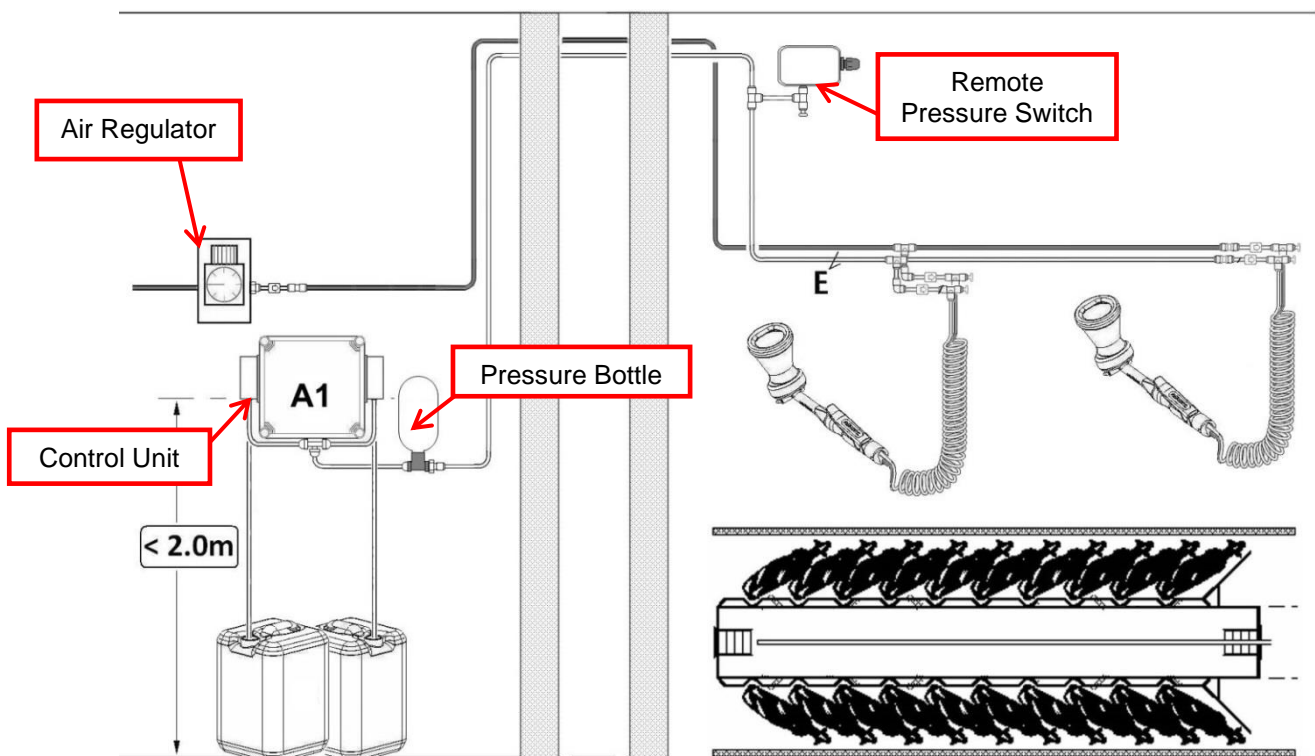
[**My question has not been covered – how can I get more information?**](#)

- Where should I site my EasiFoamer™?

The EasiFoamer™ control unit should be positioned at eye level for ease of access to the keypad (maximum height 2 metres) and no more than 3 metres distant from the chemical container(s). Do not install in a wash down area.

The pressure switch unit should be mounted at a height of 4-5 metres. It should be above the level of the power unit and above the level of the distribution line. This will ensure that the pump cuts in and out correctly to ensure a steady supply of foam to the EasiFoamer™ applicators.

For the air regulator height is not important. However, it should be easily accessible to all users and not too far away from the parlour.



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- What is the supply voltage required?

The EasiFoamer™ can be supplied with either a UK or a European plug to suit our customers. The power socket used needs to be suitable for 230 V AC for UK or European plugs. The unit is also suitable for use with 115 V AC. The 3-core power supply cord **MUST** remain accessible when the unit has been installed and **MUST** be connected to Earth.

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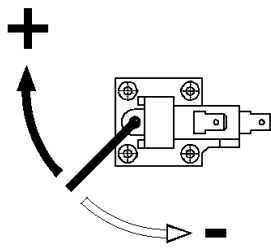
- Can I change my UK plug for alternative plugs, or vice versa?

Yes, this is possible, but we would recommend that the work is undertaken by a qualified Electrician. Please ensure that good wiring practice is used; make sure that no wires are left exposed at the terminal end and that any plugs used are correctly fused.

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- How do I adjust the pressure setting?

Liquid pressure can be adjusted in the range of 2 – 5 psi (0.2 – 0.3 bar) using a setscrew on the pressure switch. In order to do this, make sure that the mains power for the EasiFoamer™ unit has been turned off at the switch.



Use a 5/64" (2mm) Hexagon Key to turn the recessed screw on the switch at the opposite end from the electrical connections.

When viewed from above, turning the screw **CLOCKWISE** will **INCREASE PRESSURE**; **ANTICLOCKWISE** will **DECREASE** liquid pressure.

Each full turn of the adjusting screw increases or decreases the pressure by ~1 psi (~0.1 Bar). It is recommended that **NO MORE THAN 3 TURNS** of the adjusting screw be made in either direction. **IF THE SCREW BECOMES LOOSE TO TURN, DO NOT TURN** any further as you risk causing permanent damage to the switch.

Make sure that you remove the Hexagon Key and close the lid before re-connecting the unit to Mains Power.

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- How often should I change the peristaltic pump tubes and pressure switch?

As different parts require changing at different times, the EasiFoamer™ includes some inbuilt monitoring to help identify the servicing required. The Pump Statistics menu allows the user to see how much chemical has been used by each pump as well as the total running time for the pressure switch and the peristaltic tube.

The pressure switch should be changed every 300 hours and the peristaltic tube every 150 hours or earlier depending upon the chemical used. Once the unit has reached 150 hours of use it will automatically show a warning that the tubing needs replacing; at 300 hours a pressure switch warning will show. The unit will not stop displaying the warnings until the items have been replaced and this has been confirmed. Confirmation of the changes will automatically re-set the tube and/or pressure switch settings to zero.

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- I have some old AutoFoamer™ tubes – can I use these?

AutoFoamer™ and EasiFoamer™ tubes are not interchangeable – AutoFoamer™ tubes are much thinner than the EasiFoamer™ tubes, so if these were used in an EasiFoamer™ the pump wouldn't be able to work.

EasiFoamer™ tubes can be ordered as ALP/101 or ALP/101-2 for a pair.

AutoFoamer™ tubes can be ordered as AAF/022 or AAF/023 for a pair.

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- How do I change the peristaltic pump tubes?

Making sure that the unit is switched off, disconnect the inlet and outlet tubes from the peristaltic spigots; and then remove the screws holding the pump cover in position. Gently pull the peristaltic tube from the pump housing, so that the spigots face away from you, and discard it safely – be aware that the tube could contain residual chemical. We recommend that you use appropriate Personal Protective Equipment (PPE) to avoid harm from any chemicals.

Grease the tubes with silicone, then with the roller in the 12 'o' clock position fit the spigots into the pump block so that the spigot ridges are in the correct place and click into position. Pinch the centre of the tube and push it between the roller and pump housing. Replace the pump cover before use.

The images below show an example and are not specific to EasiFoamer™.



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- Why do I need to use inline filters and where should I put them?

Inline filters should be placed before each non-return valve in the chemical line. They reduce the amount of debris that can enter the system and, therefore, increase the life of the non-return valves.

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- How do I replace my non-return valves and inline filters?

Switch off the unit and compressed air. Depressurise the system by opening the applicators to let all residual chemical and air come out. Replace the parts making sure that they are fitted the right way around.

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- Do I need to grease the tubes?

EasiFoamer™ tubes need greasing with silicone before use. If grease is not used, it will reduce the lifespan of the tubes by increasing wear and tear and making it more likely that the tube will split.

When replacing the tubes use a pea-sized amount and apply it to the centre of the tube before fitting it into the pump housing.

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- Can I use silicone spray on my tubes?

We recommend using silicone grease as there are different formulations for spray and we cannot guarantee that they would all be suitable. Silicone grease is available from Ambic as part number ALP/115. Please follow correct handling procedures, and request a Safety Datasheet if required.



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- How do I calibrate the pump(s)?

Once the pump(s) has been primed it needs to be calibrated using the calibration cylinder included with the complete EasiFoamer™ system. It is not possible to accidentally calibrate the pump as a PIN number needs to be entered before calibration can take place.

Pressing and holding the central button on the key pad will make the pump run until the button is released. The calibration cylinder can be roughly filled to just less than 100ml before gently filling it to 100ml precisely using short presses on the button. The pump can be run for short enough bursts to make this possible. This can be repeated as necessary to achieve a good calibration for both pumps.

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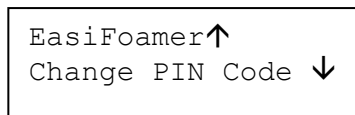
- What speed should my pumps be running at?

The pump speed is set at 100% as a default. For the two pump system both pumps should be set at the appropriate speed; this would be the same speed for a 50:50 chemical mix?

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- How do I change the PIN code?

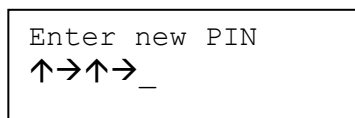
Scroll through the menu to:

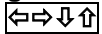


Press  Button once



Enter the current PIN Code by pressing the Buttons (in sequence):-
(default factory PIN = )



Enter new 4-digit PIN Code by pressing any combination of .
New PIN is displayed as entered, then the screen will revert to Change Pin Code Screen.

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- How do I prime the system for the first time or when changing chemical drums?

Disconnect the foam applicator at the far end of the distribution line and replace with a short length of tube resting in a suitable container in order to collect any chemical.

Switch the power on at both the electric socket and on the front of the power unit to activate the system; liquid will start to be drawn up through the pump(s) – in a two pump unit both pumps will run and prime at the same time.

Allow the unit to run until liquid has passed through the pump(s) and is flowing out in a continuous stream from the end of the distribution pipe (this may take a few minutes on a system with a long distribution line). Turn the unit off so that the final applicator can be put back into position. To ensure that liquid has reached the pressure switch, briefly remove the plug from the T-piece below the small enclosure, replacing it as soon as liquid runs out. Check that the peristaltic pumps automatically switch off when the pressure reservoir bottle has been filled to a level of about 30 mm, and a liquid pressure of ~3 psi (0.2 Bar) has been reached. If the pumps fail to stop within 1 minute (or run continuously) then check the distribution line system for leaks.


Switch on the air supply, adjust the pressure regulator initially to 3 – 4 psi and check the quality of foam by pressing the trigger on each applicator in turn. Foam will not be produced until a continuous stream of liquid has reached the base of the foaming cup. Prime each applicator by holding down the trigger until foam forms and fills the applicator cup.

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- What's the difference between the run timer and the sleep timer?

EasiFoamer™ includes two independent safety timers – the run timer and the sleep timer.

The run timer is used as a safety mechanism to prevent the pumps from constantly running in the event of a chemical leak. It has a default setting of 15 minutes after which the unit will switch off. To use the EasiFoamer™ again, it will need to be switched back on using the on/off switch on the top right of the unit.

The sleep timer puts the unit into “standby” if the pump hasn't run within a certain amount of time. The default setting is 30 minutes and the screen can be put back into run mode by pressing the on/off button  on the front of the unit (top right).

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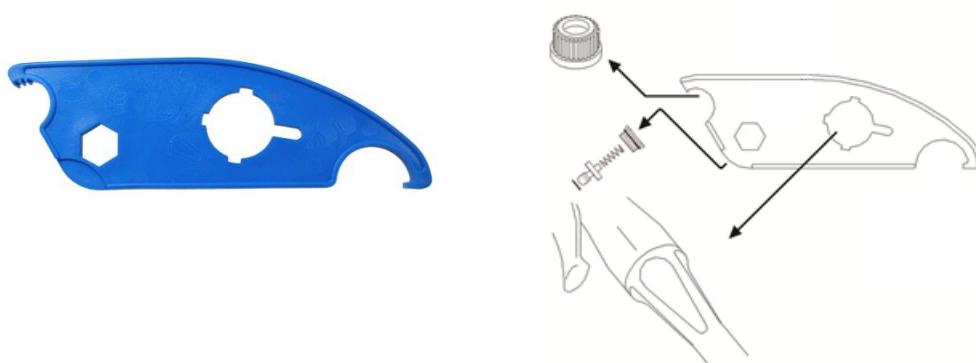
- How should I clean my EasiFoamer™ applicator?

Immediately following completion of milking the applicator cup should be rinsed out with clean warm water to remove any hairs, dirt, etc. This should also avoid the build-up of deposits and prevent chemical solidifying in the gauze. The applicator cup can be dismantled fully for further cleaning when required:

- Unscrew the cup assembly and remove from the end of the lance by gripping the outside of the cup and turning anti-clockwise.
- Carefully lift off and retain the large o-ring, then lift out the 3 filter gauzes from the cup/retainer at the end of the lance.

The filter gauzes can be cleaned by immersion in hot water, using a soft brush to remove any stubborn material. Make sure to return the o-ring to its position below the filters before re-assembling in the cup.

Lever applicators can get blocked up, especially if an intake filter is not in use. When the applicator is blocked it either stops working altogether, or leaks because the control valve is being held open. In order to unblock it we would recommend that you switch off and depressurise the system, then carefully remove the control valve at the back of the applicator (using an AmbiSpanner™). Make sure not to lose the 'o' ring, the spring or the control valve. Wash the applicator through with clean water, making sure to also clean the control valve itself, before fixing it back together using the AmbiSpanner™. The groove on the screw plug should line up with the length of the lance. The AmbiSpanner™ (available as product code AJS/2055) is a multipurpose tool that can be used to speed up installation and servicing of your EasiFoamer™ applicator and extension kits.



If any of the parts of the lever mechanism are missing or damaged then they can be replaced using a Trigger valve service kit ATS/405 or a new lever (ATS/439).



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- [My question has not been covered – how can I get more information?](#)

For further technical information please contact Ambic either by email or by telephone:
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