

## EasiFoamer™ FAQs

### General

[What is the difference between an EasiFoamer™ and an AutoFoamer™?](#)

[What is the difference between an EasiFoamer™ and a PowerFoamer™?](#)

[Can I use my EasiFoamer™ to dip as well as foam?](#)

[What is the difference between a single pump and a two-pump unit?](#)

[What pressure do I need to use with my system?](#)

[What capacity of air is required?](#)

[Can I use EasiFoamer™ spares with my AutoFoamer™?](#)

[What spares and accessories are available for my EasiFoamer™?](#)

[How many drop coils will run from a single EasiFoamer™ power unit?](#)

[How many drop coils do I need in my parlour?](#)

[How far can I stretch the drop coil to reach the cows to be dipped?](#)

[What is the maximum length of delivery tubing that can be used?](#)

[How many applicators can I use at the same time?](#)

[What is the correct layout to adopt for my milking parlour?](#)

[Why should I use an intake filter?](#)

[Can I use my JetStream™ intake filter?](#)

[How often should I service my EasiFoamer™?](#)

[What does IP44 mean?](#)

[Do I need to drill holes in my unit to fit it onto the wall?](#)

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

- [What is the difference between an EasiFoamer™ and an AutoFoamer™?](#)  
The Ambic EasiFoamer™ is an updated version of the AutoFoamer™. Whilst the EasiFoamer™ still fully automates the process of foam generation, it now includes an LCD screen and buttons on the front of the unit. This has enabled more functionality – for example, the pump speeds can be changed independently so that two-part chemicals can be correctly mixed prior to application.  
[Top](#)
- [What is the difference between an EasiFoamer™ and a PowerFoamer™?](#)  
Both the EasiFoamer™ and a PowerFoamer™ are suitable for use with foaming chemical. The EasiFoamer™ fully automates the process of foam generation using a lance to apply chemical from a drum. The PowerFoamer™ combines a refillable foaming dip cup with low pressure compressed air for a semi-automated process. PowerFoamer™ is available as either a pneumatic or an electric version.  
[Top](#)
- [Can I use my EasiFoamer™ to dip as well as foam?](#)  
The Ambic EasiFoamer™ is only suitable for foaming as it mixes air with chemical for optimal foam quality. For automated dipping we would recommend either the MultiDipper™ or the Foam'n'Dip™ which combines dipping and foaming.  
[Top](#)

- What is the difference between a single pump and a two-pump unit?  
Single pump units are suitable for use with pre-mixed or ready to use chemical. Two pump units allow for the use of two-part chemicals which need mixing prior to use. The chemicals are mixed by the time they reach the applicator.

[Top](#)

- What pressure do I need to use with my system?  
For good quality foam we recommend a compressed air pressure within the range of 3-4 psi (0.2-0.3 Bar), with a liquid pressure of 3 psi (0.2 Bar). Increasing air pressure will make the foam “dry” so that it will appear very frothy with a tendency towards larger air bubbles. Decreasing the air pressure will make the foam “wetter” and reduce the rate of foam production; the foam will collapse very quickly to leave liquid in the applicator cup. Your EasiFoamer™ unit will have been pre-set in our factory to near optimum liquid pressure, so it is only the air pressure that may need adjusting. We recommend that the air pressure stays within +/- 2psi of the liquid pressure.

[Top](#)

- What capacity of air is required?  
We recommend at minimum a 24 Litre tank with a 1.5KW motor. The maximum reserve will be the tank size and the minimum would depend on the settings. If the tank is small then the compressor would be turning itself on and off quickly and regularly to make sure that the tank is topped up, possibly making the surrounding environment very noisy. A 100L tank wouldn't be noisy as the compressor would stay off for longer before being used to re-fill the tank.

For the unit to work satisfactorily it is important that the compressed air is “dry” and not wet or oily. Therefore, the tank requires either a moist separator or it should be drained on a regular basis.

[Top](#)

- Can I use EasiFoamer™ spares with my AutoFoamer™?  
Most of the EasiFoamer™ accessories can be used on the AutoFoamer™. This includes the lance assemblies and extension kits, the air regulator and the pressure switch along with the non-return valves, connectors and tubing.

However, the following EasiFoamer™ parts cannot be used on the AutoFoamer™: peristaltic tubes, peristaltic pumps and spinner assemblies, and the PCB. The peristaltic tubes are different thicknesses to fit the different spinners, so if the wrong tube is used then the system will not work properly (if at all).

[Top](#)

- What spares and accessories are available for my EasiFoamer™?  
We offer a range of spare parts which are suitable for use with both EasiFoamer™ and with AutoFoamer™. A full list of spare parts can be found in the EasiFoamer™ section of the Ambic website: <http://ambic.co.uk/image-gallery/teat-foaming/easifoamer/> or in the [Ambic product guide](#).

Float Switch Assemblies from the Low-Level Alarm range are also suitable for use with the EasiFoamer™. Further details are available on the Ambic website: <http://ambic.co.uk/products/dosing-and-dilution/flash-n-fill/>

[Top](#)

- How many drop coils will run from a single EasiFoamer™ power unit?  
The EasiFoamer™ system can be expanded to incorporate up to 10 applicators with drop coils. However, no more than 2 applicators can be in operation at any one time.

[Top](#)

- How many drop coils do I need in my parlour?

As a general 'rule of thumb' the droppers should be positioned to reach 2 cows on each side of the pit; on average you will need one dropper for every four cow standings. Note: some wide pits may require drop coils on both sides.

[Top](#)

- How far can I stretch the drop coil to reach the cows to be dipped?

The drop coil is 75cm long before it is extended. It can be stretched up to a maximum length less than or equal to 3 metres. Stretching it to greater than 3m will cause it to lose memory and it will fail to retract properly. In addition, if the coil is regularly overstretched or pulled at an oblique angle then it can be pulled off at the manifold. Therefore, we recommend using one dropper to reach 2 cows on either side of a narrow pit, or 4 cows on one side of a wide pit.

[Top](#)

- What is the maximum length of delivery tubing that can be used?

The unit is supplied with 30m each of air and chemical distribution tubing. However, the recommended maximum length that can be used is 45m (150ft).

[Top](#)

- How many applicators can I use at the same time?

The recommended maximum number of applicators which can be used simultaneously to dip (foam) is two. In other words, the EasiFoamer™ system can accommodate two operators dipping (foaming) at the same time.

[Top](#)

- What is the correct layout to adopt for my milking parlour?

The droppers need to be positioned in the milking system to ensure ease of access to each milking point. This will vary from milking system to milking system depending on such variables as parlour width and the angle at which the cows are standing. As a general 'rule of thumb' the droppers should be positioned to reach 2 cows on each side of the pit; on average you will need one dropper for every four cow standings. Note: some wide pits may require drop coils on both sides.

In instances where the pit is narrow it is possible to run the distribution line down the centre of the pit, but wider pits will require two distributions lines - one down each side of the pit – or a ring main. The amount of other equipment mounted in the pit will also have a bearing on where the droppers are positioned.

In instances where there are distribution lines on each side of the pit it is generally a good idea to link them to create a ring main as this reduces recovery times and improves performance.

The maximum reach of the drop coils is less than 3 metres.

[Top](#)

- Why should I use an intake filter?

Intake filters are used on the end of the chemical line and prevent dirt and debris from getting into the system and blocking the non-return valves. EasiFoamer™ uses a special non-return filter so that once liquid has been lifted by the pump it will not return to the chemical drum. Intake filters should be cleaned regularly and replaced if they get damaged. Replacement intake filters are available as a spare part as ATS/412-NR.



[Top](#)

- Can I use my JetStream™ intake filter?

EasiFoamer™ uses a special upgraded non-return intake valve with finer mesh whilst the JetStream™ intake filter is not non-return. The JetStream™ intake filter is not recommended for use with the EasiFoamer™ system.

[Top](#)

- How often should I service my EasiFoamer™?

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. 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 the warning until the items have been replaced and this has been confirmed.

Confirmation of the changes will automatically re-set the system to zero.

Applicators should be cleaned and checked regularly and replaced if they get damaged or are starting to show signs of wear and tear.

[Top](#)

- What does IP44 mean?

At Ambic we provide an IP reference for all enclosures in our range. For EasiFoamer™ all enclosed items are rated at IP44. IP (also known as International Protection Rating) is an abbreviation of “Ingress Protection” and the number is normally made up of two digits:

- The first digit represents protection from solids and rates from 0 to 6 with zero giving no protection and 6 being completely dust tight.
- The second digit represents protection from liquids and rates from 0 to 8 with zero giving no protection and 8 being suitable for complete and continuous immersion beyond 1 metre.

Therefore, the EasiFoamer™ at IP44 is protected from tools and small wires greater than 1mm and is protected from water spray from any direction. However, it is not protected against pressurised water sprays so should not be sited in a wash down area. Make sure that the power unit is connected to the wall using the correct holes as drilling extra holes will reduce the IP rating and may void the warranty.

The EasiFoamer™ regulator has an IP rating of IP55 which means that it is protected from water sprayed directly at the box.

[Top](#)

- Do I need to drill holes in my unit to fit it onto the wall?

The single and twin pump units, and the EasiFoamer™ pressure regulator are supplied with holes already drilled – as shown in red below. The drilling template found in the Operating Notes shows where to drill into the wall. The units have sealing gaskets which maintain the IP rating if these holes are used. Drilling holes within the boxes will reduce the IP rating and may void the warranty.



Currently the pressure switch enclosure isn't ready drilled, so this enclosure would require drilling before putting it on the wall.

[Top](#)

- 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:  
[tech@ambic.co.uk](mailto:tech@ambic.co.uk) Tel: +44 (0) 1993 776555

[Top](#)