

Cluster Purge Systems

Protects every cow every milking



Milking parlour systems



Cluster Purge

Automatic Cluster Cleaning System

Milking systems can be a breeding ground for bacteria that cause udder health problems.

During milking the cluster is moved from cow to cow and can spread contagious bacteria which if unchecked can affect the whole herd. **Cluster Purge** breaks this chain and disinfects every cluster safely after every cow.



Controls mastitis

Mastitis is an infection of a cows udder and is one of the most common and costly diseases for dairy cattle. It can be controlled by ensuring a clean environment exists for cows and good milking practices are followed.

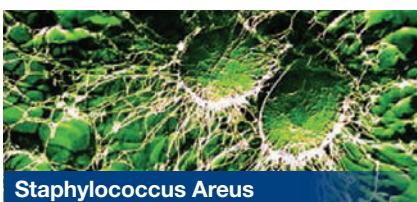
Typical contagious germs are Staphylococcus Aureus and Streptococcus Agalactiae which mainly live in infected udders. They are usually transferred from an infected cow to a healthy cow during

milking by residues of milk in the cluster or by the herdsman's hands. Mycoplasma Bovis is one of the most prevalent forms of mastitis and spreads rapidly within a herd. Cows affected with acute Mycoplasma Mastitis have a dramatic drop in milk production.

The cost of mastitis can therefore be significant and includes the loss of disposed milk, reduced production, vet and drug bills and time invested in treatment which can add up to £250 per case.

Measures to prevent mastitis include cluster disinfection, teat dipping and proper maintenance of milking equipment. If each cluster is disinfected after each cow no bacteria is carried from one cow to the next.

Cluster Purge is a proven automatic cluster cleaning system that can clean clusters in as little as 10 seconds, quicker than manual spray or dip systems.



Staphylococcus Aureus



Streptococcus Agalactiae



Mycoplasma Bovis

Cluster Purge - key features

Universal

- Fits all types of milking equipment.
- No direct interference with existing milking equipment.
- No welding of brackets to clusters.
- No cutting or inserts into liners that may change milking characteristics.
- No wiring into the milking system.

Options

- Cluster drop to lower cluster prior to flushing.
- Milk sweep to purge system of milk residue into milk line prior to flushing.

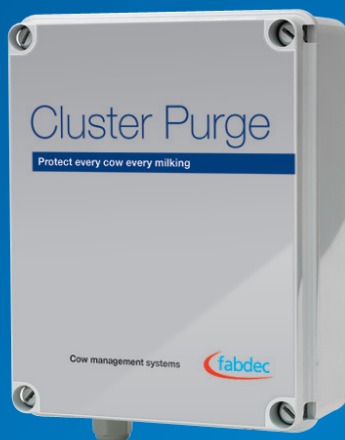
Flexible

- Fully adjustable disinfectant quantity to suit each parlour setup.
- Adds no extra height or weight to the cluster.
- Disinfecting procedure is fully adjustable by the user.
- Boost switch for an extra purge for tough cases.
- Automatic adjustable mix of disinfectant and water to maintain the stability of solution.

Safe

- Compressed air safety valves that isolate the milk completely during the purge process, independent from vacuum fluctuation.
- Safeguard system (optional) additionally protects disinfectant solution from leaking into the milk during milking.
- Intelligent final purge to remove all residues.
- Frost purge to protect the system from freezing.

Cluster Purge - key components



Cluster Purge unit

- Simple standalone unit.
- Seamlessly works with your ACR without wiring.
- Easy to use - no extra controls required.
- Highest performance – forceful clean.
- Low water consumption 400ml – 1 litre per cluster. Easily adjustable.
- Very flexible system - easily fitted to all parlours.
- Can be linked to existing milk sweep systems.



Cluster bracket

- Designed for cow comfort - easy to handle.
- Fits existing cluster.
- Lightweight & robust. Adds no extra height or weight to the cluster.
- Cluster detaches smoothly & washes fully to reduce mastitis spread.



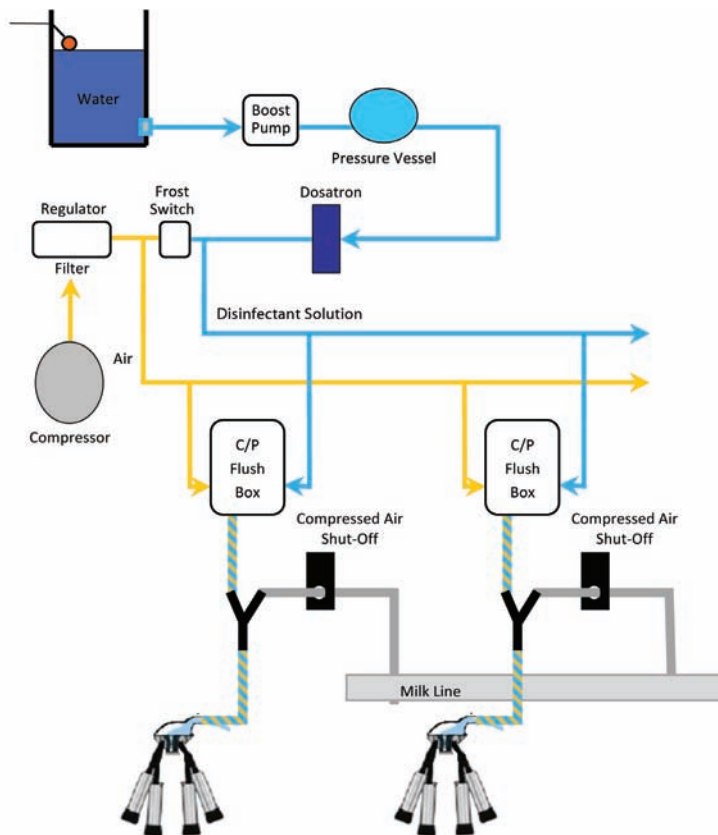
Unique safety shut-off valve

- Allows the highest performance of flush with no leakage into the milk.
- Powered by compressed air - not vulnerable to vacuum fluctuations.

Saves time and money



How Cluster Purge fits into the milking parlour



How it works

Step 1 – When the cluster is removed completely from the cow the long milk tube is shut with the high pressure compressed air shut off valve.

Step 2 – Fresh disinfectant and water is automatically mixed together and flushed through the long milk tube and cluster followed by a shot of compressed air to provide an aggressive purge. The process is repeated 2 or 3 times depending on the selection of the global master switch.

Step 3 – A final blast of compressed air removes any residual water from the cluster, ready for next milking.

Product information is subject to modification, please verify exact specification with Fabdec.

www.clusterpurge.com

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