

Automatic Dipping & Flushing





“The ADF system is a simple, automated in-cluster teat dipping and liner flushing device. In the field, ADF has been shown to substantially reduce workload in the parlour, effectively control mastitis, improve teat condition and reduce somatic cell counts.”



Automated system

A teat cleaning system that is claimed to slash the incidence of mastitis was launched at the recent Dairy Event. The Automated Dipping and Flushing system (ADF) is made by [company name], a supplier of parlours and milking equipment.

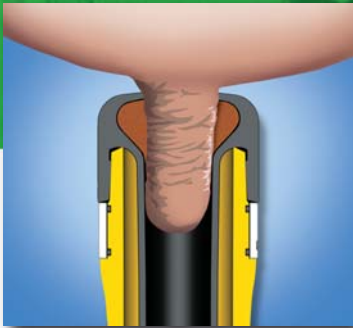
Duke of the company says that experience with customers had shown that many were losing valuable revenue through rising mastitis levels. "Somatic Cell Counts were getting higher and call costs were [increasing]."

Currently, [company name] can manage for some of the dip profit and cost of dairy production. Observing the process, Mr [name] decided to be dipping at time when removed.



End of milking – the process starts

At the end of milking the vacuum is shut off and teat dip is injected into the manifold of the clawpiece.



Dip applied to entire teat

Teat dip is accurately applied to the teat as the teat cup is withdrawn by the ACR.



Teat dipped and protected

Within seconds of milking being completed, vulnerable teats are coated in dip.



Cleaning process commences

Every liner is disinfected and then thoroughly rinsed with clean water.



Cluster ready for next cow

Teat cups are clean, free of contamination and ready for the next cow.

Automated Dipping and Flushing cleans out mastitis cost
 cleaning system slashes cow infection rates

How automatic dipping may help bring mastitis in check

"We can confidently claim that on these farms there has been significant reductions (50-75% on the test farms) in the incidence of mastitis and huge drops in somatic cell counts. SCCs have also been more consistent," says Mr Duke. "Mastitis pathogens can sometimes persist a weak system, resulting in most notable pathogens for this are *Strep uberis* and *Staph aureus*, both of which have been reduced dramatically by using the ADF system," adds Mr Duke.

So how does the system work? The ADF is triggered by the ACR or milk meter at the end of milking. A measured amount of teat dip is dispensed into the head of each liner as the teat cups are being removed, and this dip evenly coats the teat whilst both the skin pores and the teat canal are still open and receptive to disinfectant and emollients. Maximum protection is possible as the teat is not exposed to the environment prior to following cluster priming and flush.

has been between 50% and 75% on those units. One 550-cow herd calculated that the system allowed it to save seven hours of labour a day – four saved by not having to dip and three more saved by not having to strip out and treat problem cows. On top of this were savings from reduced infection itself. Installing the system is quite an investment.

the teat cups. As the cluster is removed, the dip evenly coats the teat while both skin pores and the teat canal are still open and receptive to disinfectants and emollients. Maximum protection is possible because the teat is not exposed to the environment prior to dipping. Following the cluster removal, the cluster is quite an investment.

can the loss of premiums, which producers can receive between £300 and £500 per cow. Estimates put the cost of mastitis to UK farmers at £300 million a year. Mr Duke and his team believe that better teat clusters are the best solution. The solution the company has come up with is milking clusters that have a built-in dipping and flushing system.

the dip has had little effect. By then mastitis pathogens could have taken hold and started causing damage." In addition, individual receptors have been experiencing problems with mastitis to UK farmers at £300 million a year. Mr Duke and his team believe that better teat clusters are the best solution. The solution the company has come up with is milking clusters that have a built-in dipping and flushing system.

Questions and answers



Will ADF fit my parlour?

ADF can be fitted to any parlour. It integrates neatly, and complements existing parlour automation.

Why is it important to dip teats so soon after milking?

Teats are most vulnerable to infection immediately after milking. Dipping teats as the cluster is removed prevents harmful bacteria entering the teat canal.

What will ADF do to teat condition?

As soon as milking is finished the teat's skin pores are open, allowing the dip and emollient to work more effectively. This helps maintain healthy teats.

Will ADF save me time in the parlour?

Yes it will. ADF requires no user intervention, you no longer have to dip teats or clean contaminated clusters. This frees up time to concentrate on milking.

Will ADF save me money on teat dip?

The dip costs when using ADF are about half that of conventional spraying.

What will fitting ADF do for my milk quality?

ADF helps produce cleaner milk and can reduce somatic cell counts. ADF customers are winning premium milk supply contracts.

How does this differ from other systems?

ADF is the worlds only in-cluster dipping and flushing system available and is covered by patents.

How much does the system cost?

Prices vary according to the size of your parlour. Customers questioned in a recent survey said ADF represented value for money.

How do I find out more?

Call 01243 641441 or visit www.ad-f.com



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