



inVent

Intelligent venting from ADF



Integrating Intelligent Venting with Automatic Dipping and Flushing

> Welcome to stress-free milking for you and your cows.

Introducing ADF InVent, the 6th generation of the ADF MILKING system, that now brings you the ultimate in cow comfort and unrivalled precision.

Building upon the proven results of our automated dipping and flushing technology, ADF InVent now raises the bar further with the integration of intelligent teat-by-teat liner venting – in a lightweight, reliable cluster.

The new ADF InVent milking cluster continuously controls vacuum levels on each teat individually resulting in calmer cows, less teat damage, higher yields and faster milk let down.

What does Intelligent Venting do?

Every farmer knows it is impossible to select a liner size that works for each cow and every individual teat.

Whichever liner you choose, a liner is inherently a compromise, irrespective of the milking equipment being used. You can only choose a liner to suit the majority of the herd. Yet every teat is an individual. Teats can be seen to vary widely in their dimensions and texture. They vary between cows and even between teats in a single udder. Furthermore, each teat's dimensions change dramatically during the various stages of milking.

In a conventional milking cup, it is this compromised choice of liner sizing that means some teats will suffer from a poorly fitting liner. This in turn leads to several negative effects:

- Excessively high vacuum in the mouthpiece chamber of the liner causes swelling of the teat both externally and, crucially even though not visible, internally
- The internal swelling - congestion - restricts the capacity of the teat canal slowing down milk flow and preventing full milk-out, leaving milk in the udder
- Slower milk flow means the teats are under vacuum for longer than is desirable and makes them prone to increased trauma

With intelligent venting, the risk of congestion is significantly reduced because the ADF InVent milking cluster continuously controls vacuum levels on each teat individually.

- The unique InVent technology introduces clean, filtered air into the mouthpiece of the liner when vacuum rises to a threshold level
- This acts to maintain the vacuum at the ideal "sweet spot" that is comfortable for the cow and also maintains peak milk flow

THE RESULTS...

Calmer cows with fewer kick-offs

Faster milk let down and shorter milking times

More complete milk-outs and higher yields

Gentler milking action on teats



WHAT CAUSES EXCESSIVE VACUUM LEVELS?

At the start of milking, prior to full milk let down whilst milk flow rate is relatively low, the teat is exposed to high levels of vacuum in the mouthpiece chamber of the liner. Once the cow reaches peak milk flow, the teat plumps up, filling the barrel of the liner.

Vacuum levels reduce at this stage. Towards the end of milking, as milk flow decreases, vacuum levels once again rise exposing the teat to potential trauma and damage.

Teat damage

Oedema is the accumulation of excess tissue fluid in the teat and is normally preceded by congestion. Externally it can be seen by changes in skin colour and palpable ringing or thickening of the teat.

Over-milking can lead to hyperkeratosis which is the visible thickening and roughening of the skin around the teat orifice. It leads to increased risk of mastitis infection.

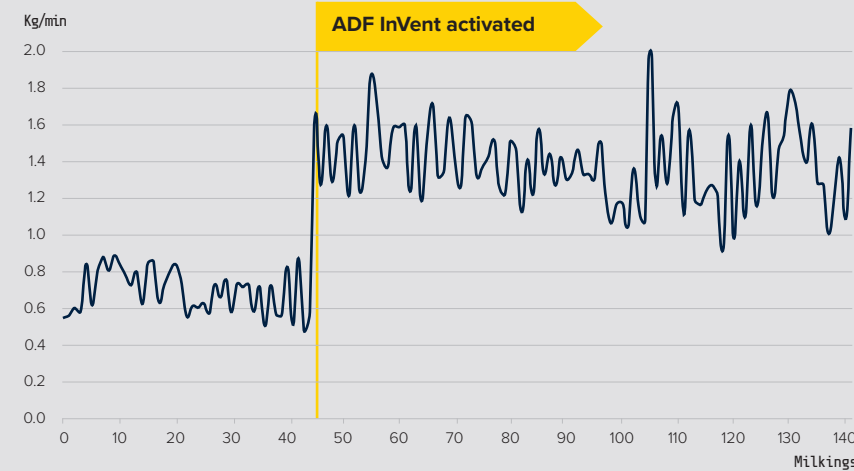


INVENT IN ACTION

In the illustration shown on the opposite page, ADF InVent (shown on the left) introduces clean, filtered air into the liner to pull vacuum levels back into the safe zone enabling milk to flow as fast as possible. In the conventional milking cup (shown on the right) the teat is congesting and impeding milk flow.

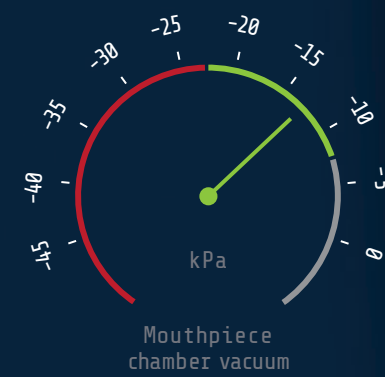
ADF InVent can milk cows faster. Milk collected in the first two minutes of milking increased by 7% and a dramatic increase in milk flow was observed during the first 15-30 seconds of milking.

Average milk flow (kg per minute) during the first 15-30 seconds of milking. ADF InVent trial conducted on a farm located in Germany.

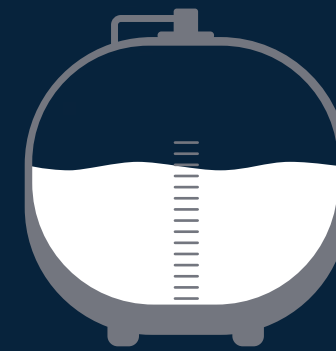


Data was collected over a 10 week period. On average 550 cows were milked twice per day in an internal rotary parlour configuration. The yellow line shows when ADF InVent was activated.

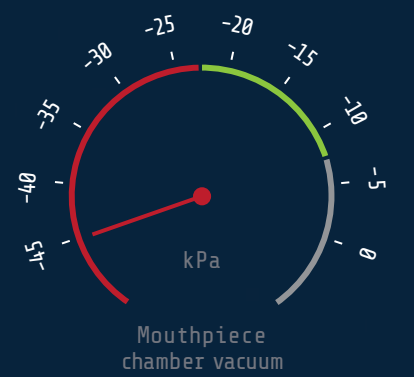
ADF InVent



Milk volume



Standard cup



Milk volume





CUSTOMER FOCUS

JAMES LYWOOD - Battlehurst Farm, West Sussex

Parlour type Herringbone **Milking points** 18 **Herd size** 200

Installation date Sept 2020. InVent installed Dec 2020.



Each milking was taking 3.5 hours. So adding more cows – two or three more rows – would have pushed this to at least four hours per milking.

I was sure the ADF system was a way to milk more cows through the same parlour, and with the same number of staff, without taking more time. And I wasn't disappointed.

Cows are milked twice a day by one person. We are pleased with the performance of the automatic cluster flushing and teat dipping – not least because it's shaved 20 minutes off milking time.

It's done what we hoped it would do, and we know we're not compromising udder hygiene or the milking routine. If anything, automating part of it should bring greater consistency and make sure nothing is missed.

I don't like things to be complicated. We pre-spray with iodine and wipe teats once. And we only pre-milk high SCC or mastitis 'troublemakers' – we know our cows well. For the majority of milkers, it's a case of spray, wipe and clusters on. And the ADF system does the rest once milking is complete.

It's given us peace of mind. We know that all teats have been dipped properly and all the clusters are cleaned thoroughly between cows. And it's saving time. So, as we begin to add more cows we'll be able to milk the larger herd and keep within three hours in the parlour. This also means the interval between the two daily milkings will stay the same.

We have actually been able to start milking a little later in the morning, at 4.30am. And the afternoon milking starts at 3.00pm.

Milking routine and working conditions are just as important to staff as they are to the herd.

All our staff work a five-day week and milk for 10 days out of every 14.

The herd's average somatic cell count has always been pretty good, but it's fallen by 15,000 cells/ml since installing the ADF and InVent. Average SCC now stands at 113,000 cells/ml for the herd.

Prior to installing the ADF system, only 7% of cows required antibiotic treatment for mastitis. This is now down to just 4% in 12 months.

We do see other cases in the herd, but they self-cure with NSAID treatment and a little TLC, it didn't take a lot to convince me to install InVent, on the back of the results we'd seen with the ADF. Once I understood the additional benefits the technology offers, which go far beyond quicker and 'kinder' milking, it was a no brainer.

INVENT BROUGHT MORE IMPROVEMENTS

Since the installation of InVent milk yields have increased by an extra 0.5 litres per milking per cow. That's a litre a day and, potentially, around 300 extra litres per lactation for freshly calved cows. The herd is currently averaging 11,300 litres of milk at 4.6% butterfat and 3.5% protein.

In addition to the 20 minutes shaved off by the automatic flushing and dipping system, InVent has cut milking time by a further 10 minutes, pushing up daily time saved in the milking parlour from 40 minutes to an hour. If you look at that during the course of a year, that's a lot of hours saved.

We also know our cows are being milked out more gently and completely – there are teat condition and udder health gains to be made here. And stress is also kept to a minimum – for the cows and also, ultimately, the person in the pit.

Kicking, fidgeting, defecating – it's all reduced. And these calmer cows then go back out into the sheds to drink, eat and lie down. There has to be other hidden health, fertility, productivity and efficiency benefits to be had here.

Cows should also, ultimately, complete more lactations in the herd. Only time will tell, but I'm excited to see more benefits become apparent as we move forward.





Protecting teat health by dipping every teat on every cow at exactly the right time.





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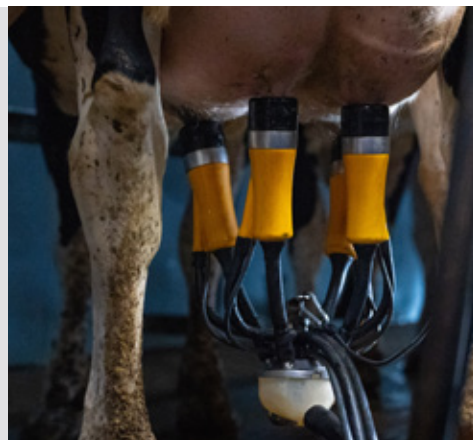
Our customers with ADF InVent are reporting excellent results - all, without exception, said cows were calmer and quieter. Some are getting an extra litre of milk per cow, with one producer seeing yields increase by two litres a cow. And not only are the cows milking out fully, but they're also milking faster and with significantly fewer cases of mastitis and lower SCCs. One producer has seen milking times reduced by 30 minutes – they milk three times a day so that's 1.5 hours a day, or 548 hours in a year - equivalent to 68 eight-hour shifts.

JAMES DUKE
ADF Milking

The ADF Milking InVent system combines comfortable, stress-free milking with enhanced teat protection and faster, more complete milk-out

The benefits

- Stress-free for both cows and milkers
- Calmer cows with fewer kick-offs
- Faster milk let down and shorter milking times
- More complete milk-outs and higher yields
- Gentler milking action on the teats



With ADF InVent's intelligent-vacuum technology, each cow and each of her teats enjoy a comfortable, quiet, quick and complete, stress-free milking.

A comfortable, 'calm' and gentle experience in the parlour means milking speed and parlour throughput will be increased and cows will also milk out completely – giving higher milk yield, saving time and udder-health benefits.

Congestion in teats, typically caused by excessive vacuum at the mouth of the liner during milking, particularly immediately after cluster attachment and towards the end of milking, can reduce milking

speed and milk yield. Even just a small swelling can significantly increase the risk of mastitis.

A stressful experience for the cow that releases adrenaline and this in turn blocks the secretion of oxytocin (the milk let-down hormone) and can slow milking further.

ADF InVent's unique technology treats teats individually - controlling and optimising vacuum levels to keep within the "sweet spot" throughout milking. Milk flow increases and cows milk out more completely, which helps to protect udder health.

STRESS-FREE MILKING





ENHANCED TEAT PROTECTION

Instantaneous in-liner teat dipping

At the end of milking, with perfect timing every time, the ADF Milking system protects the open teat canal from infection with an instantaneous application of teat dip – precisely and accurately – with the teat still protected within the liner. Dipping cows by hand or with a spray after the liner has been removed occurs much later when the teat has been exposed to potential infection and consistency of application cannot be guaranteed.

The ADF Milking system automates a process that is difficult to perform to the same standard by other methods such as manually dipping or spraying the teats outside of the liner either by hand or with other automated devices.

Cross-contamination between cows is reduced because the liners are automatically disinfected between each milking with multiple flushes of clean, sanitised water. Every teat, on every cow, at every milking benefits from these clean liners. Studies show that lowering somatic cell counts (SCC) are linked to increased milk yields. Typically a reduction in the SCC by 100 (thousands of cells) produces an extra 2-5% of milk.

Farmers that have used ADF over the longer term also report that they are achieving additional lactations and thus greater herd longevity. This can significantly increase the financial return on investment. Whilst several factors can affect mastitis and SCC, the precise automated hygiene functionality of the ADF Milking system can provide peace of mind and consistent results as part of a structured approach to udder health.

Intelligent venting works to reduce trauma on teats by safeguarding teats from excessively high vacuum

- Healthier teat conditions increases the cow's self-defence against infection
- Instantaneous teat dipping in-liner before exposure to potential infection
- Automated liner flushing reduces the risk of mastitis caused by cross-contamination

Giving you...

- Lower somatic cell counts
- Reduce usage of antibiotics
- Savings on vet costs
- Additional lactations adding to the lifetime yield of the cow



The biggest benefits we have seen on the farm is a decrease in somatic cell count levels and clinical cases of mastitis have decreased by 50%.

Anything that speeds the job up and prevents mastitis is good! Using ADF has also led to less cows being culled. This is due to the fact that the cattle are healthier, therefore we can create a more selective cull plan compared to a forced one.

EDWARD BOOTH
Wigglesworth Hall Farm, North Yorkshire, UK



Our staff members find the ADF System easy to use and the relief milkers are also impressed with it.

Those who had never used it before were pleasantly surprised when they discovered they didn't have to manually post dip or rinse liners. The ADF System also helps with the reliability of knowing the milking routine is being done properly. I find it helps to unify every milking. It unifies the milking routine from one milker to the next so I have no doubt that the job is being done properly.

LIZ BIRKETT

Rookhaye Estate, Wiltshire, UK

Increase milker productivity and operational efficiency

The ADF InVent system automates the post-milking hygiene routine to a higher quality and with more reliably consistent results than many other alternative methods – saving time, reducing labour costs and more efficient use of consumables and resources.

Labour costs and time savings

- Fewer manual tasks to be performed – reducing labour requirement
- Milking times are shorter
- Throughput can be increased enabling more cows to be milked without additional investment in a parlour extension

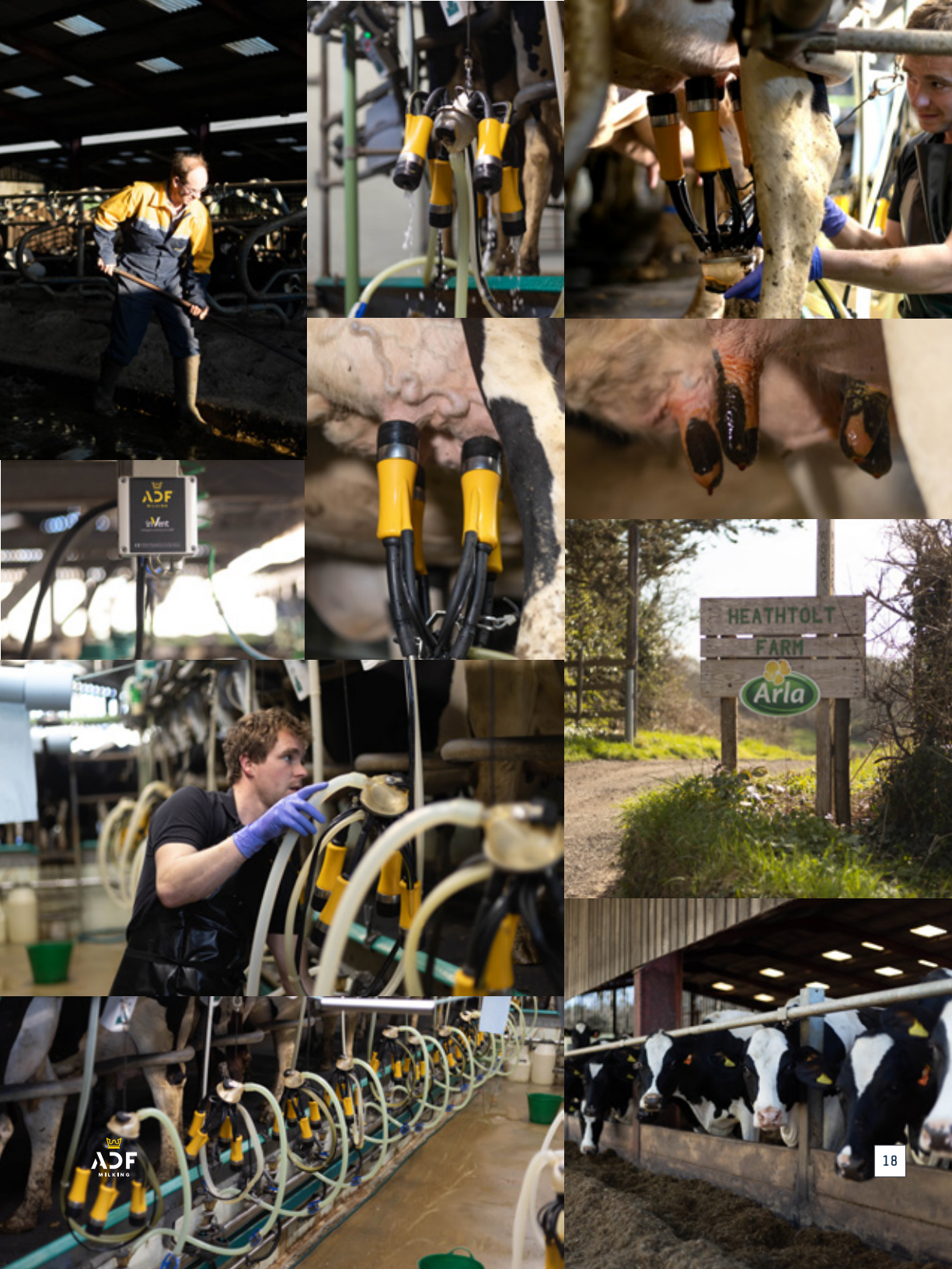
Efficient use of consumables and resources

- Precisely calibrated dosage of teat dip eliminating unnecessary usage
- Uses less water than a typical backflush system

Easier for milkers

- Calmer cows are less likely to kick off the clusters which means milkers are not rushing to reattach clusters
- Milkers are more productive and have more time to be attentive to the cows
- Milker movement within the parlour is reduced lessening fatigue
- Eliminates multiple repetitive movements for each milker that would be performed if dipping and flushing was performed manually - reducing musculoskeletal stress injury
- Lightweight, ergonomic cluster design

PRODUCTIVITY AND EFFICIENCY



CUSTOMER FOCUS

ROB THORNTON - Heathtolt Farm, West Sussex

Parlour type Herringbone **Milking points** 24 **Herd size** 200

Installation date InVent installed November 2021



Heathtolt Farm in Horsham, West Sussex, is a family-run business with focus on the future and state-of-the-art facilities. Janette and Richard Thornton run the business together with their son Rob Thornton.

The family has invested in a new dairy and increased their herd size a few years ago and are now milking their herd of 200 cows in a 24/24 Herringbone parlour. The family was '2021 Dairy Farmer of the Year Finalist', part of the Farmers Weekly Awards.

Like many other farms, the issue of labour and finding the right people has been a topic in this family, too. "Good, reliable people to look after the herd and ensure utmost care and highest standards with regards to hygiene and cow health are not easy to find," states Rob.

"Investing in technology that automates part of the milking routine, which not only makes sure that the dipping of the teats is done properly every time, but also makes the milking easier for the person in the parlour, was an easy decision to make."

"We have always known about ADF. Last autumn it was the right time for us to purchase. The installation was brilliant – the team worked around us and our milking times and InVent was fitted within two days."

"Labour and time savings were the main reason to opt for the ADF InVent system. We save probably 20 to 30 minutes per milking. It also makes the job easier for the person milking the cows and frees up more time to observe the cows. Everyone is really pleased with it."

Rob has also seen benefits with regards to herd health: "We have definitely seen a massive improvement of the cows' teat condition since we have ADF InVent. I think the cows are more relaxed during the milking – we don't see as many kick-offs in the parlour. InVent has definitely reduced the cell count (120,000 down to 80,000) as well as mastitis cases."

"I highly recommend ADF and InVent – the teat condition and also the cows' behaviour has massively improved. We are also very pleased to confirm that we are saving time and labour."

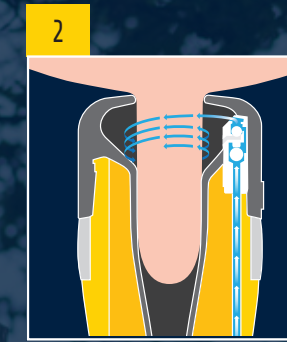
The only thing we have done wrong is that we haven't put it in a few years ago!"



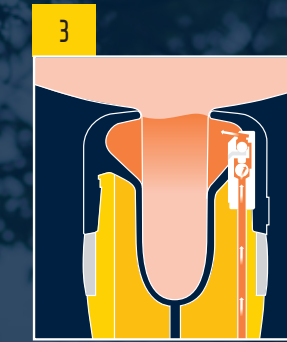
Five essential steps ONE EASY SOLUTION



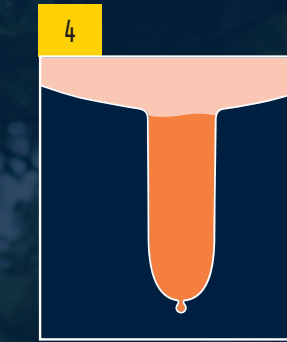
THE START OF THE MILKING PROCESS
Sanitised liners presented in correct orientation, ready for milking.



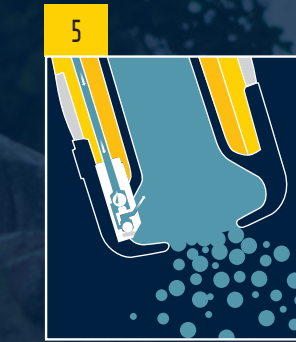
INVENT STARTS MONITORING THE VACUUM
Continuously monitors and controls vacuum levels on each individual teat.



DIP IS APPLIED TO THE TEAT
As the vacuum is shut off, teat dip is injected into a manifold on the clawpiece. Dip is applied to the teat at the optimum angle.



TEAT DIPPED AND PROTECTED
Teat is dipped and protected within seconds of milking being completed before exposure to harmful contagions in the environment.



CLEANING PROCESS COMMENCES
After removal every liner is sanitised and thoroughly rinsed six times ready for the next cow.

THE INDEPENDENT EXPERT'S OPINION

“ Using ADF InVent showed a significant improvement in teat scoring assessed on multiple factors - ringing, congestion and colour

IAN OHNSTAD

The Dairy Group

Internationally recognised specialist in milking technology

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We asked Mr Ian Ohnstad of the Dairy Group to conduct an independent assessment of the ADF InVent system.

Mr Ohnstad devised a comprehensive testing programme comparing ADF InVent against an unvented milking system to look for differences in post-milking teat condition - not just across the whole herd - but also looking at differences within each cow's individual teats. This is a summary of his report.

IAN OHNSTAD

One of the inevitable effects of milking a cow with vacuum is teat congestion, which can prevent cows from milking quickly, completely and gently. We of course need some vacuum when milking, but it is excessive vacuum which becomes problematic.

In order to mitigate teat congestion, we can try to ensure that we have a good fitting liner, that is suitably fitted and matching to the teat dimensions. Therefore, we get a good effective seal between the liner and the teat.

The effects of the ADF InVent system were evaluated using the guidelines developed by Teat Club International (TCI) for measures of a) teat ringing, b) teat congestion and c) teat discolouration.

Teat ringing is seen where the teat connects to the base of the udder and we used three categories:

- Cat. 1** A teat that has no ring
- Cat. 2** A teat that has a visible ring
- Cat. 3** A teat with a palpable ring at the base of the teat which is hard, swollen and uncomfortable

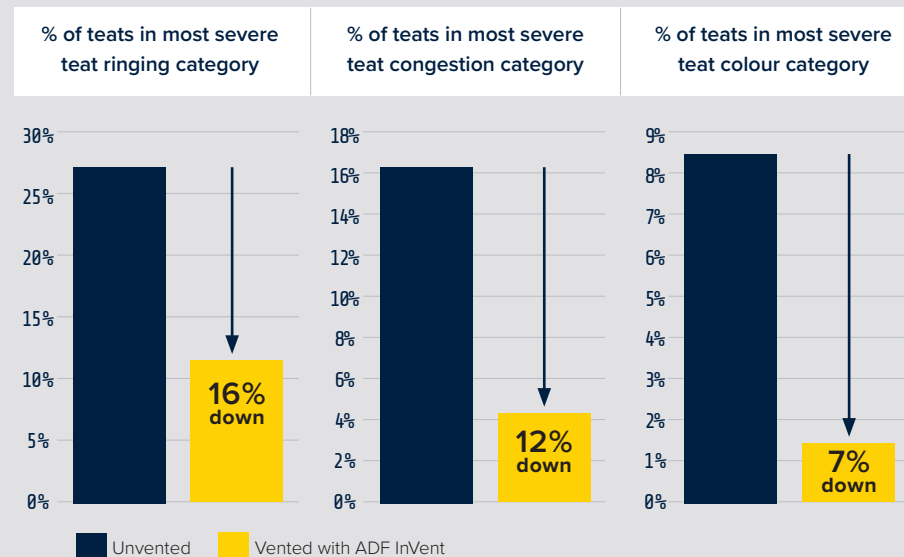
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Teat congestion was measured by the change in the structure of the teat. These results ranged from no congestion to severe congestion.

Teat colour at the end of milking was recorded and graded as either normal, red (some concern) or blue (very concerning).

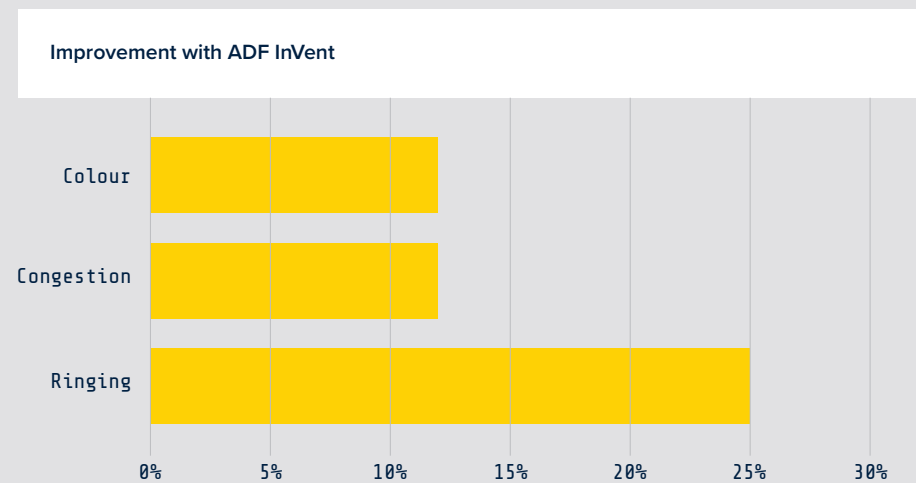
The trials were conducted at two different farms located in England. Comparing the results with ADF InVent enabled against the results with the venting functionality disabled it was observed that:

At the HERD level - teat condition was significantly better when the herds were milked with ADF InVent in all three measurements – teat ringing, teat congestion and teat colour.



*Percentage of teats in each category. Approximately 1200 teats evaluated

At the INDIVIDUAL COW level - teat condition was significantly better on those teats milked with ADF InVent compared to those teats milked with the venting disabled.



*Percentage improvement in teat scores within individual cows from using ADF InVent versus unvented milking

Cows evaluated as positively benefitting from ADF InVent tended to show significantly measurable benefits. This observation may be particularly relevant for cows that can be vulnerable to high mouthpiece vacuum levels such as fresh heifers.

For the full report please visit our website adfmilking.com



CONCLUSION

“Anything that improves cow comfort and milkability is going to be more profitable for a dairy farm. Particularly if we’re seeing improved milking performance through the InVent system.”

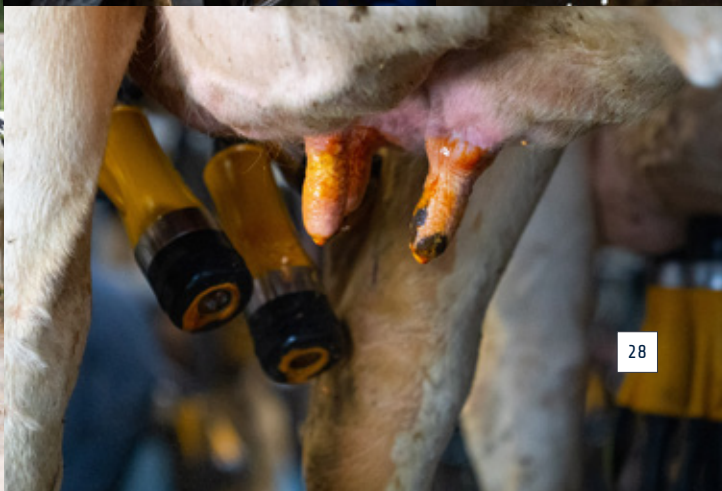
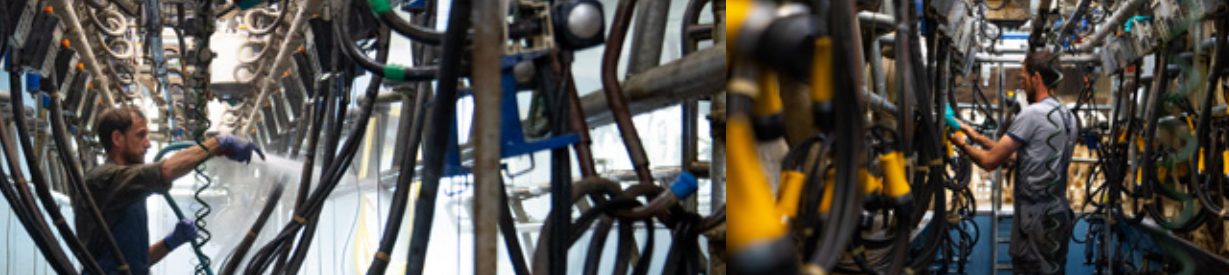
“All herds could suffer from teat congestion because fundamentally it’s the combination of liner fit to cow teat. Irrespective of milking system, irrespective of system vacuum, irrespective of liner design, all herds will have some cows that suffer from teat congestion. And as a consequence there will always be uncomfortable milking for some cows - unless they milk through the InVent system.”

Happy Cows HAPPY FARMERS...

ADF InVent brings stress-free milking to dairy farmers around the world.

From family-run farms to multi-site, large-scale milk productions. From the mountainous slopes of Italy to the rolling green pastures of New Zealand. From retro-fitted onto a six-point swing-over to brand new 100 point rotaries. ADF InVent brings all of its benefits to all of our farmers.





CUSTOMER FOCUS

MARK REED - Culverhayes Farm, Honiton, Devon

Parlour type Herringbone **Milking points** 20 **Herd size** 300

Installation date InVent installed April 2021



For us, it is important that the cow is comfortable when she comes into the parlour because she is there for one reason and that is to give her milk down. We don't want to be driving cows into the parlour and forcing them to give their milk down. We want them to come into the parlour at their own accord. Give their milk down and be on their way. When I was told that ADF had brought out the InVent system I was really excited because I thought this could be a game changer and for me I think it definitely is.

The installation was really straight forward, in and out in a day. No disruption to our daily routine at all.

I would say the InVent system is most beneficial for the cow. Cow comfort, you get a lot less fidgeting in the milking parlour from the cows. General environment in the parlour is just a lot nicer for the cows now. We've definitely seen a reduction in ringing around the teats since using the system. Big improvement on that, definitely, continues Mark.

"When I was told that ADF had brought out the InVent system I was really excited because I thought this could be a game changer and for me I think it definitely is."

Installing the InVent system has allowed us to change some settings on our flows and take off times. In the parlour milking 300 cows, I would say it has saved us probably 20 minutes a day in milking.

We chose to go with the install just mainly for cow health really and also it has allowed us to do a few other things on our parlour, speed up and save a bit of time in the parlour as well. It doesn't just improve cow health but obviously it improves the working environment.

We've had the ADF system now for three years. I would recommend it to anybody really. We put it in as a time saver and obviously to improve cow health and hygiene. And it ticks all those boxes and obviously after putting in the InVent system as well, it's only just improved it more. I would say cow longevity is important to us here, and I would say the ADF InVent system is only going to help that.



Paul Norris – Assistant Herdsman

"Since having the ADF system installed it has definitely made, from a milker's perspective, a big difference. The cows are cleaner, they seem happier. They let milk down quicker, so obviously we are saving time. I am really happy with the system."

Harriet Broad – Self Employed Relief Milker

"It makes my role easier; the cows just come in and out of the parlour quicker. They are more content because they haven't got to stand for so long."

"On other farms that I have milked on, that haven't had ADF, it's a bit of a longer process. We've got to wait until the unit comes off and it doesn't spray them. And then you have to walk back down through and spray them all. It does make a big difference, it is a lot quicker."



SERVICE AND SUPPLIES

Your investment in the ADF Milking system is at the heart of your milking operation and reliability is essential. Like any machinery operating in demanding conditions, maintenance and servicing is recommended to keep everything in the best working condition.

With our extensive network of qualified service technicians, you can be certain that no matter where your farm is located, an ADF Milking certified trained technician is close to hand. All our technicians have undergone rigorous training and are experienced in supporting all makes and types of milking equipment. They carry stock of all the essential spare parts so that repairs can be carried out without fuss or delay.

Most issues can be solved quickly by a call to our Service Desk. The ADF Milking system has remote access technical support capability making diagnostic testing even easier and faster. If a service appointment is needed our Customer Service team will arrange that for you.

Have total peace of mind with the ADF Continuous Supply Programme (CSP) that delivers all the consumables you need and includes regular scheduled on-site maintenance servicing. All parts are covered by our lifetime manufacturer warranty so there are no hidden costs.

Regular servicing by a trained technician will give you years of stress-free operation and gold standard reliability – saving you money in the long term.

CSP

The total consumables and service programme from ADF Milking – clear pricing and stress-free simplicity.

All the supplies you need

- ADF liners
- ADF injectors
- Teat dip
- Peracetic acid flush disinfectant

Total peace of mind

- Full maintenance with scheduled servicing
- Lifetime warranty on parts
- Regular monthly payments
- Fixed term pricing also available



ADF AROUND THE WORLD

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Gerald Los
Los Dairies
Alberta, Canada

Parlour type Parabone
Milking points 18
Herd size 85
Installation date 2018

Alberta dairy farmer Gerald Los installed the ADF System with the aim of reducing the number of workers needed in the parlour.

“With ADF we only need one milker in the parlour, which is a great money saving gain for us. Once my workers got used to it, they found ADF great to use,” says Gerald. Gerald is delighted with the other benefits he has seen through using the system, such as a lower somatic cell count and the time saved through no longer having to post dip each cow. The gentle release of the cluster has also been a big positive. “The herd have no reaction when the system comes off. They don’t seem to mind it at all,” explains Gerald. “We find the ADF System great and we would definitely recommend it to other farmers.”

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Hubert Paul
Paul Polska Sp. z o.o.
Greater Poland, Poland

Parlour type Side by Side
Milking points 72
Herd size 1,200
Installation date 2021

By installing ADF InVent, mastitis cases in Paul Polska’s herd have decreased, and the business was also able to achieve labour and time savings in the milking parlour.

Producing the highest quality milk while maximising the profitability of the parlour, innovation, efficiency, and herd health are of very high importance on this farm. With the installation of InVent in November 2021, the cows now benefit not only from ADF’s automatic dipping and flushing, but also from the intelligent venting of each individual liner. ‘We are absolutely delighted with InVent’, says herd manager Dominik Wojciechowski, ‘It has fully met our expectations! Cases of mastitis have decreased enormously and the amount of work in the milking parlour has been reduced thanks to automation. At the same time, the time required for milking has been reduced.’

“



Benedikt Kuhlmann
Kuhlmann GbR
North Rhine-Westphalia, Germany

Parlour type Swing-Over
Milking points 20
Herd size 260
Installation date 2018

“Udder health has improved enormously, the cows milk out better and the somatic cell count has been reduced. We’ve really never been this good. “

Benedikt Kuhlmann increased his herd from 120 to 260 animals and opted for ADF System in 2018 with an upgrade to InVent in 2020. “Our aim in purchasing the ADF System was clearly to save personnel costs - improving udder health and reducing the somatic cell count was a very welcome addition, as well as significantly reducing the use of medication. The animals are now much calmer and more relaxed during milking.

Finding people is difficult. Therefore, we looked at how to automate the milking process as much as possible. Beforehand, we worked in the milking parlour with two people - after setting up the ADF System we now only need one person. We can save personnel costs.”

“



Thierry Quere
GAEC du Pillion
Plourin-Les-Morlaix, France


Parlour type Internal Rotary
Milking points 27
Herd size 140
Installation date 2017

Thierry Quere chose to install the ADF System because of its worldwide reputation and 15 year track record of improving cow health and saving farmers money.

Thierry likes the reliability of the ADF System, most significantly in terms of soaking the udders. “The design of the Automatic Dipping & Flushing system enables the teat dip to be perfectly applied. Soaking the udders is more efficient and the clusters are disinfected too which leads to considerable savings year on year.”

“The ADF system improves the quality of our milk and saves us time. It is a reliable, reputed product which is constantly being improved”

“



Ryan and Billie Moffat
Deltop Dairy
South Canterbury, New Zealand

Parlour type External Rotary
Milking points 54
Herd size 443
Installation date July 2013


“If cow health is a priority to you I would certainly recommend ADF”.

“The biggest benefits we have seen is the reduced mastitis cases and lower somatic cell count (SCC). SCC average the last 5 seasons have been between 80,000 and 115,000. Teat condition is good with the ADF system, and we also like the benefit of a sick cow not transmitting to other cows through the milking cups due to the automatic rinsing.”

“We have saved time and money in having a reduced amount of mastitis cases. There has been a big reduction in antibiotics use, especially around dry off time where only the cows required are getting dry cow antibiotics.”

“This would now be down to 30-40% and this number should continue to decline. We are also paid a premium for high quality milk under SCC thresholds which is an added bonus for us,” says Ryan.

“



Paolo Galli
Il Campo Rosso Farm
Martinengo (BG), Italy

Parlour type Herringbone
Milking points 14
Herd size 175
Installation date May 2018

“Despite working with a good team of farming professionals I could not stop the progression of Staphylococcus Aureus in my herd. So, I took the decision to install the ADF system to see if it could help - although I was a bit sceptical at first.”

“A few weeks after the installation we decided to swab inside the liners head, as we used to do regularly before using ADF. The results confirmed that there was no longer Staphylococcus Aureus, meaning no more cross contamination between the herd during milking.”

“With ADF the most important benefits are perfect post dipping combined with a unique disinfection of the liners. “

“Now the contamination has cleared I can finally get the most out of my herd. Milking with the ADF System was the only way to stop the Staphylococcus Aureus infection in the milking parlour.”

Whatever the time of day, you can be certain that somewhere in the world ADF is delivering stress-free milking



> Our passion is improving cow health as the key driver to making milking more efficient and profitable for the farmer.

ADF MILKING's mission is to be the market leader in efficient and healthy milking technology that is accessible to the widest range of dairy farm operations and compatible with all parlour types.

We pursue innovation relentlessly, informed by decades of accumulated milking expertise. We draw upon the experience gained from our diverse range of customers – from large-scale operations to traditional family-run farms - literally billions of milkings in thousands of situations.

The range and depth of this experience has helped to shape our vision of what our customers need in the varied and challenging conditions that they face.

We believe that stress-free milking for both the cows and operators is important. Cow comfort and automated hygiene leads to improved milk production.

Our design philosophy is to find the optimal solution. Building in reliability and simple maintainability for long-term performance and return on investment.

In the parlour our products must be safe, easy to use and incorporate ergonomic design. By improving manual handling for operators we may also minimise fatigue and repetitive strain injury.

Our customer service and after-sales care is comprehensive and unique. Our all-inclusive supply programme gives you all the consumables you need and regular servicing to keep your essential equipment operating in peak condition. We are proud to serve our customers and our goal is 100% satisfaction.

Our customers are a community of like-minded farmers and we are totally committed to supporting them.

JAMES DUKE
Founder

Prince Phillip Award 2005 ☆

RABDF Livestock Machinery & Equipment Award 2010 ☆

Australian Dairy Conference Innovators Award 2011 ☆

New Zealand National Fieldays Equipment of the year 2011 ☆

Cream Awards Award for Innovation 2013 ☆

The Queen's Awards for Enterprise Innovation 2013 ☆

DLG approved 2017 ☆

The Queen's Awards for Enterprise International Trade 2020 ☆

UK Dairy Day Best new product 2021 ☆



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Arrange a farm visit and we will provide you with a comprehensive, personalised report detailing the potential savings you will make when you install the ADF system on your farm.

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