



Technology for calf rearing



Dear reader,

It all started with an innovative idea by Helmut Urban more than 30 years ago. Driven by our enthusiasm for agriculture, the well-being of animals has always been close to our hearts. In the development of our technology we have always relied on animal-friendly rearing systems in order to guarantee healthy and vital young animals. In the course of the years, the demand for URBAN feeding technology and stable systems has increased steadily. Meanwhile our devices are sold in more than 50 countries on all five continents.

We are constantly looking for new ways and possibilities to perfect the rearing of young animals. This is why we are particularly pleased to present our technology for calf rearing in this product catalogue.

We would be happy to share our long-standing experience with you personally and support you with our sophisticated systems on the way to healthy, high-performance calves!

Kind regards,

*Nicole Urban-Sprock
& Thomas Sprock*



Contents	3
The company	4
URBAN Alma Pro	6
› Benefits	8
› Components	10
› Standard features	12
› Options and accessories	18
› Drinking stations	24
› Installation options	26
› VitalControl	28
› Experience report	32
› Technical data	34
URBAN MilkShuttle	36
› Benefits	38
› Components	40
› Model variants	42
› Features	44
› Options and accessories	50
› Experience report	56
› Technical data	58
URBAN calf hutches	60
› Benefits	62
› Individual housing	
› Model variants	64
› Features	66
› Options and accessories	70
› Group housing	
› Model variants	72
› Options and accessories	76
› Experience report	78



URBAN – then as now!



Helmut Urban with the first calf milk mixer.

Since 1984: From farmers – for farmers: Helmut Urban already dealt with the challenges of calf rearing while working on his parents' farm. Thanks to his many years of experience, he knew exactly what was important. This knowledge led to the development of an automatic calf feeder. Little by little this idea led to the own production and the distribution of URBAN

calf feeders.

1987: The first computer-controlled calf feeder from URBAN is launched on the market.

1997: International breakthrough with the U40: an automatic feeder for lambs and calves.

2002: Market launch of the U20 automatic feeder as the first compact feeder with an integrated teat.

2007: Worldwide marketing of the URBAN automatic feeders.

2008: The new MilkShuttle and the Twin-Feeder are presented at the EuroTier.

2009: A great anniversary: 25 years of URBAN feeding technology.

2010: Daughter Nicole Urban-Sprock and son-in-law Thomas Sprock join the management.

2015/16: Expansion of the production area and inauguration of the new training centre in Wüstring.

End of 2017: Helmut Urban transfers the company management to the next generation.



URBAN worldwide

The company URBAN was founded by Helmut Urban on his farm in Wüstring in 1984. Soon the demand for URBAN products was high enough for the company to move to a new location in the enterprise zone of Wüstring in 1992. In recent years, URBAN has been able to further expand its outstanding position as a specialist in feeding technology for calves. With the Alma Pro calf feeder and the MilkShuttle, URBAN has two extremely sophisticated product lines for both



PRINCIPAL OFFICE

Development, production and distribution beneath the same roof – in the ultra-modern company headquarters in Wüstring.



stationary and mobile feeding of young animals.



The URBAN family farm: Over the years, a small dairy farm developed into an innovative, internationally active, medium-sized company.

AWARDS:

2012 - The URBAN LifeStart feeder is declared novelty of the year.

2014 - The URBAN LifeStart feeder receives a EuroTier silver Innovation Award.

2015 - The URBAN LifeStart animal welfare system receives the 'Innovationspreis des Niedersächsischen Handwerks' (innovation award of the Lower Saxony Trade).

2018 - URBAN is presented with the Lower Saxony Foreign Trade Award for outstanding achievements in export.

2018 - URBAN receives its third silver Innovation Award at the EuroTier, this time for the VitalControl product innovation.



URBAN Alma Pro

The intelligent feeder
for automatic calf feeding.





Combining intensive rearing and work load reduction.

The URBAN Alma Pro automatic feeder provides your calves with fresh milk from day one. Milk is available at all times at a consistent temperature and concentration.

According to their individual needs, the animals consume species-appropriate amounts in small feed portions spread across the day. This promotes the growth of the calf and supports the development to a

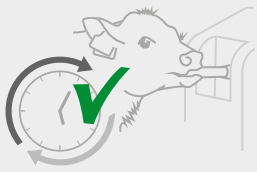
healthy, high-performance cow. A large touch screen facilitates technical monitoring. This display is very easy to operate due to its particularly user-friendly software. In addition to data relevant to feeding, health parameters are also collected and stored completely. Farmers are thus able to see immediately how each of their calves is doing.

Feeding station

Using sophisticated sensor technology, the station recognises each calf by its transponder and delivers its individual milk quantity.

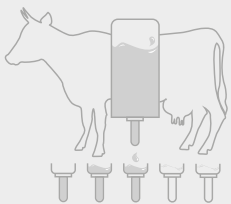


The benefits at a glance



Species-appropriate feeding around the clock

The feeding curve can be adjusted for each individual animal, if required. The corresponding amount of milk feed is distributed throughout the day in smaller feed portions.



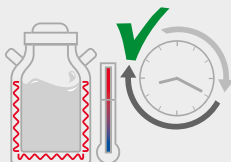
Metabolic programming as a result of intensive feeding

The feeder provides many small milk portions – a very natural approach.



Consistent milk concentration

All components are continuously mixed to maintain a homogeneous milk feed mixture.



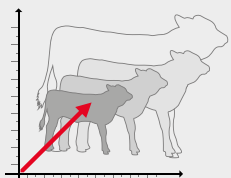
Consistent milk temperature

Three temperature sensors ensure that the milk is kept at the same temperature around the clock.



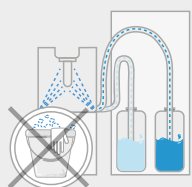
Health monitoring

A variety of health parameters are collected and can be retrieved at all times.



Improved growth rate

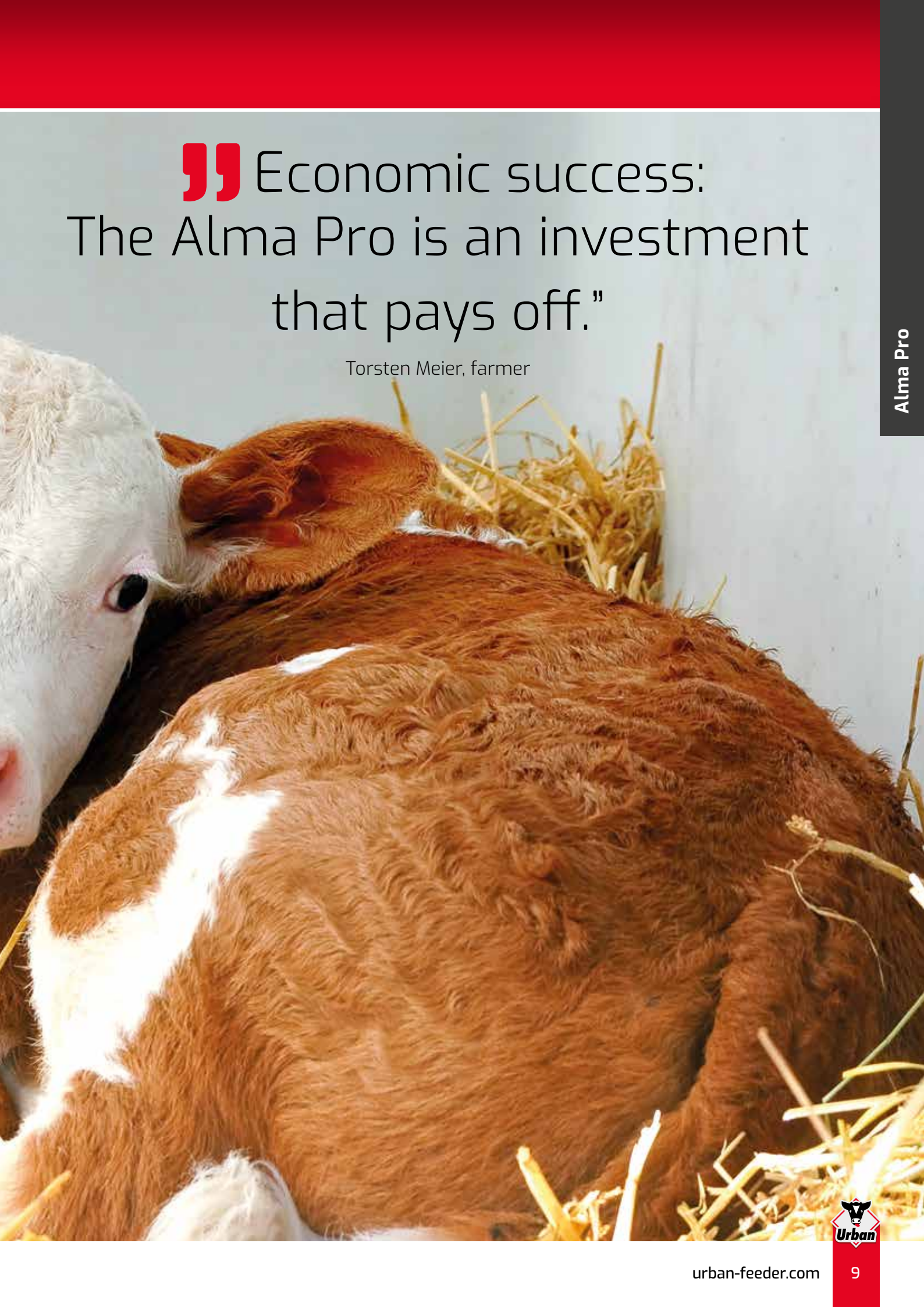
Consistent and regular feeding enhances daily weight gain.



Optimised (feed) hygiene

The fully automatic cleaning programme cleans the automatic feeder thoroughly and reliably – all by itself.





» Economic success:
The Alma Pro is an investment
that pays off.”

Torsten Meier, farmer

Alma Pro

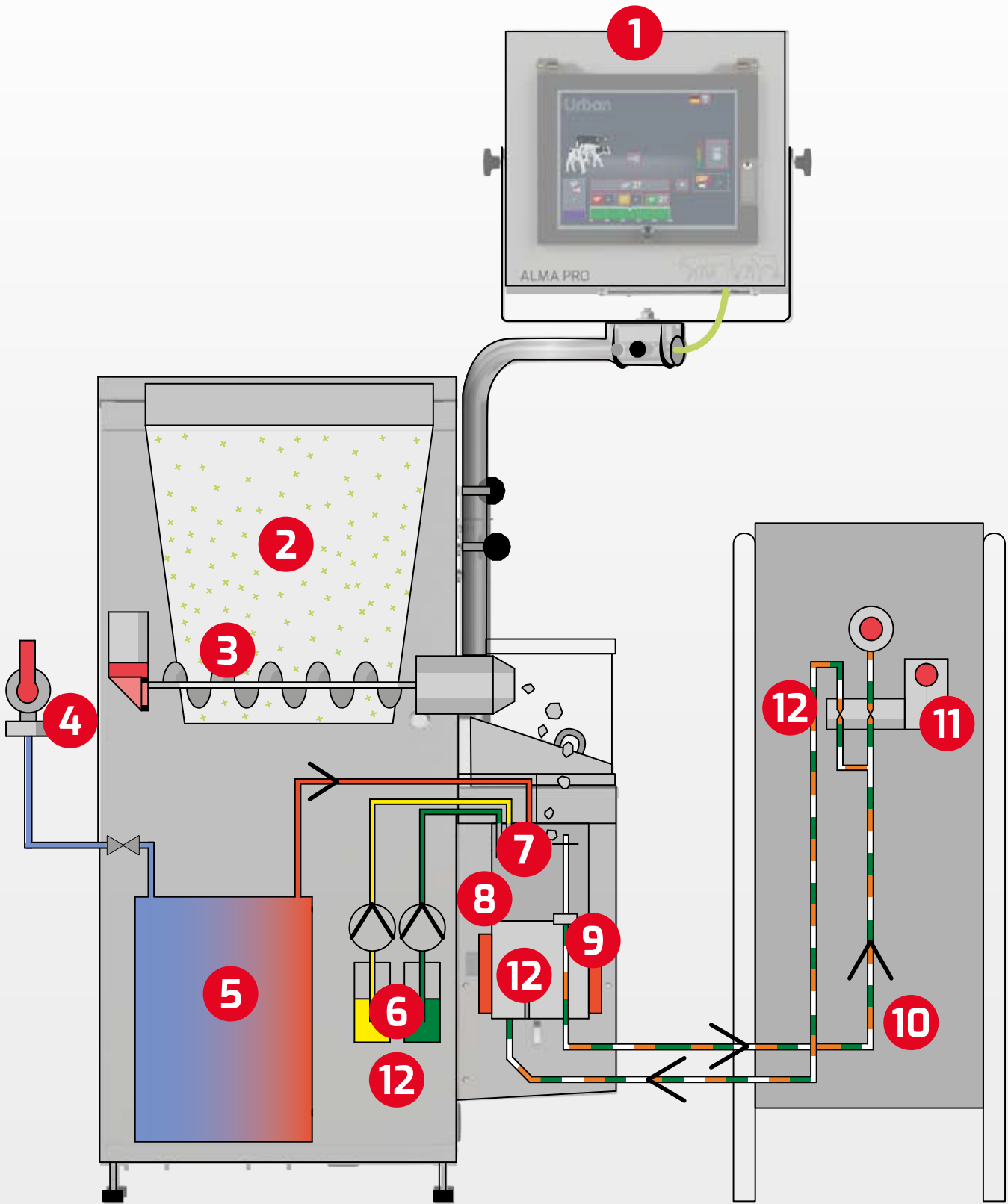




Components

To make your work as easy as possible, our technology is based on a simple structure and uncomplicated operation.

- 1 Control panel with touch screen and clearly structured user interface.
- 2 Storage container for milk powder with a capacity of 35 kg.
- 3 The powder screw ensures optimal dosing of the milk powder.
- 4 Water supply
- 5 Boiler
- 6 Detergents (acidic and alkaline) for fully automatic cleaning.
- 7 Milk removal tap – for easy tapping of milk.
- 8 Float in the mixing bowl – measures the dispensed amount of milk. This means that even small portions can be allocated to the calves with millilitre precision.
- 9 Heated mixing bowl
- 10 Ring line – transports the milk to the teat. Periodic, temperature-regulated circulation between teat and mixing bowl ensures that the calves can always access warm milk and that the lines do not freeze if temperatures fall below zero.
- 11 Station valves
- 12 Temperature sensors – ensure that the milk is kept at a consistent temperature.



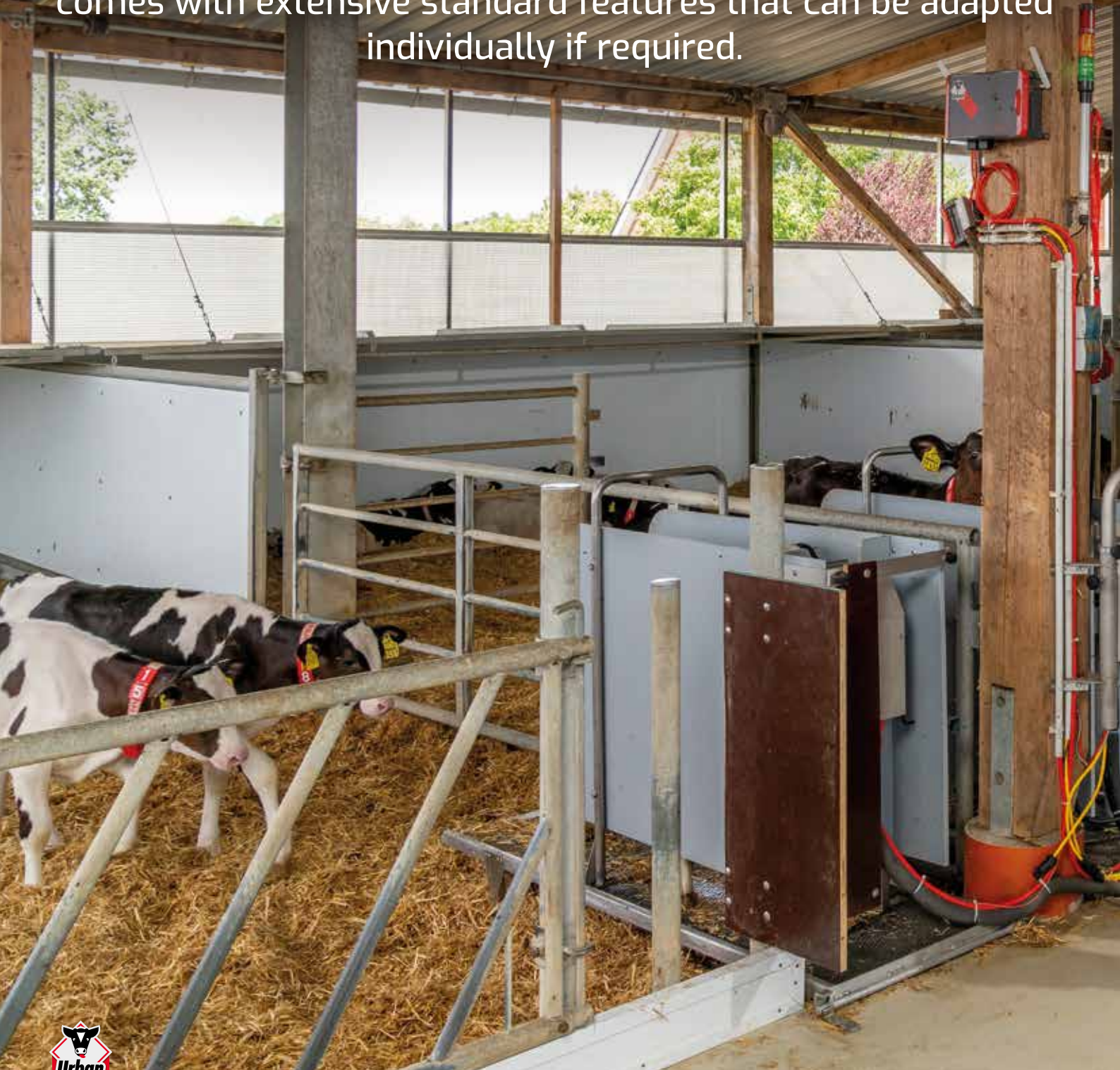
Automatic feeder

Feeding station



Standard features

The developers at URBAN attach great importance to functional and user-friendly solutions. The Alma Pro therefore comes with extensive standard features that can be adapted individually if required.





Control panel

Operation and data retrieval via the integrated touch screen are extremely simple. The intuitive user interface allows for individual feeding and the comfortable creation of feeding curves.



One-touch overview button – calls up the list of conspicuous animals with just one click.

For an optimal view, the terminal can be swivelled and adjusted in height.





Quick overview of the animals' health status



Herd overview

Animal monitoring around the clock – instead of only once or twice a day. The herd overview always displays the most current values. The Alma Pro uses alarm lists to indicate leftover quantities and deviations within animal-specific values (drinking speed, number of station visits, length of stay).

This monitoring function allows each individual calf to be kept healthy in the best possible way.



Health and fitness evaluation

All health-relevant data are stored and analysed automatically. Animals that behave conspicuously are marked orange or red. As such, they stand out at first glance and diseases can be detected even before the actual outbreak.

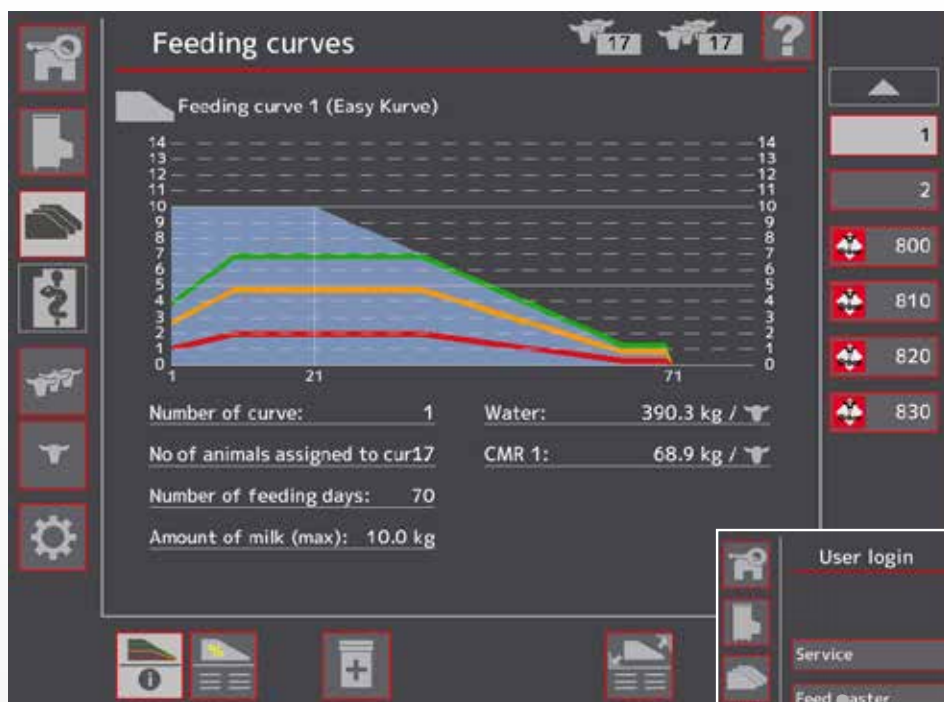
Overview of feeding behaviour over the last seven days.



7-day feed-consumption overview

In addition to the daily amount, the display also shows the amount of feed that has already been consumed.



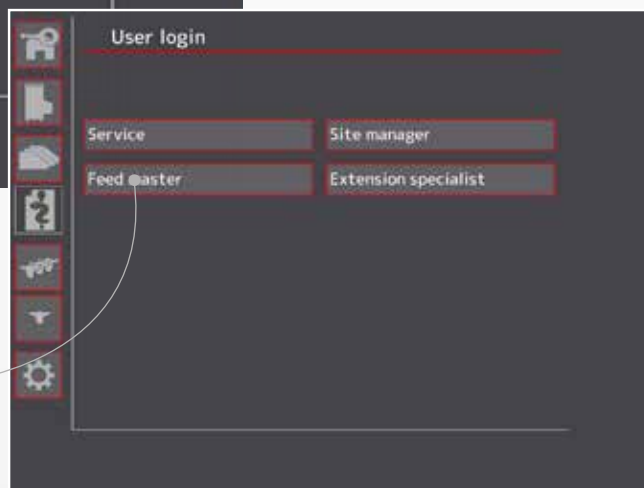


Feeding curve

Feeding curves can be created on the clearly arranged touch terminal, defining the daily milk quantity and (age-dependent) composition for the calves.

Training and weaning are fully automated components of the programme.

Password-protected user rights ensure that only authorised persons can access the program details.



UP TO DATE
WHILE
OUT AND ABOUT:

Status requests via text message or alarms – the URBAN software is compatible with all GSM-enabled devices.

Mobile control

The device can be coupled to the URBAN WLAN router; in this way all functions of the URBAN Alma Pro can be used with a smart device or PC – from monitoring to the settings. The integrated alarm function informs you about conspicuous calves or feeder malfunctions, even if you are not in the stable.





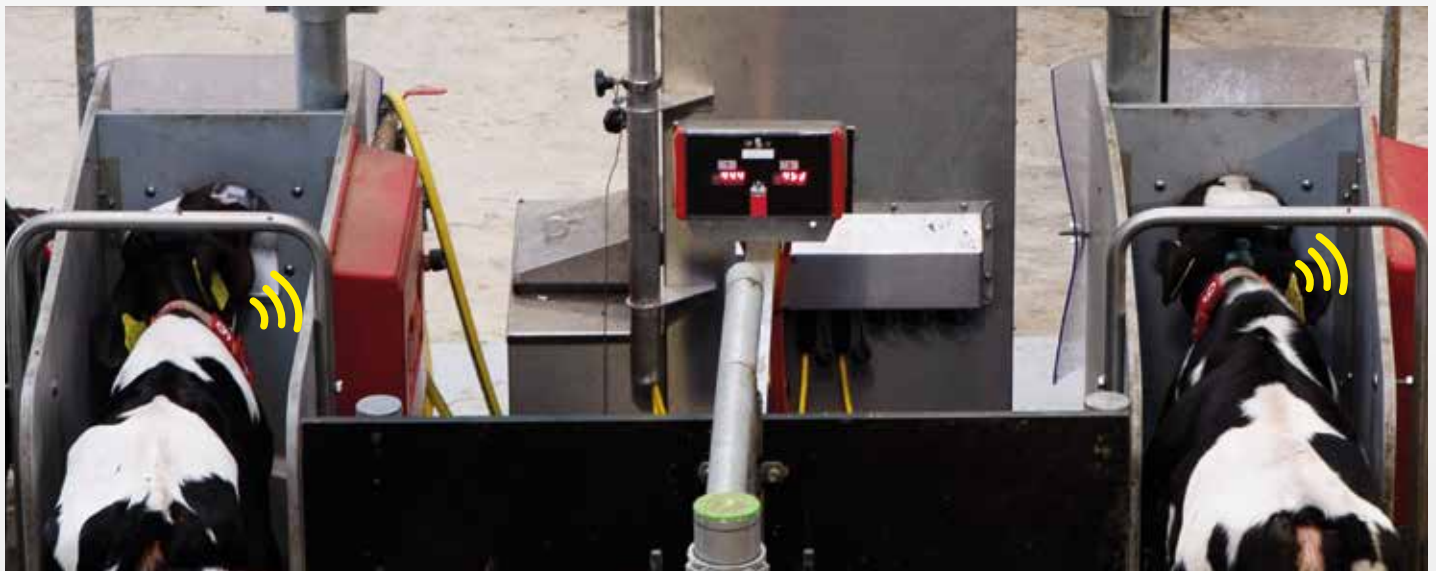
Container

The feeder is made from high-quality stainless steel and its compact design helps save space. The robust lateral edge and the low filling height (1.09 m) make it easy to fill.



Detection of the animals

by collar or any ear tag



Electronic station units

Shows the amount of milk left to consume and monitors the milk temperature directly at the station.



Cleaning programme

The integrated cleaning programme cleans all milk-distributing parts including the teat, alternating two different cleaning agents (alkaline and acidic). The cleaning process is fully automatic, thorough and reliable.



A mechanism on the powder bag ensures that the powder is withdrawn in an even manner.

Milk removal tap

Fresh milk can be tapped from the feeder at any time and can be used, for example, for feeding individually housed calves.





Options and accessories

A broad range of special technical equipment allows you to optimally adapt the automatic feeder to your individual needs.

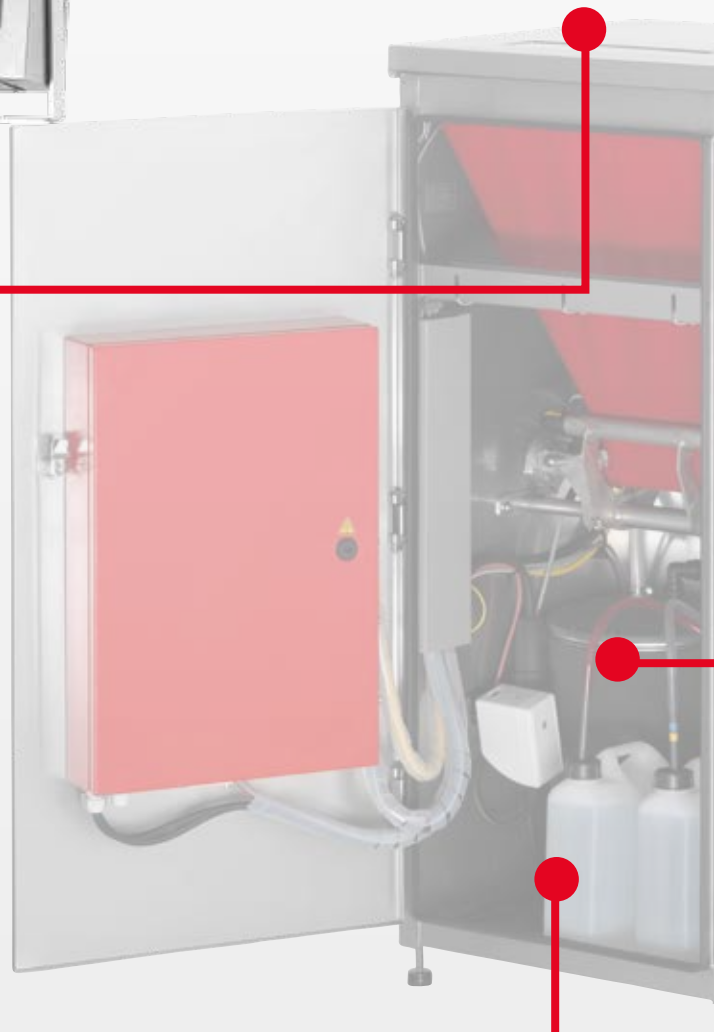
Powder stock extension

If the Alma Pro is used for large groups, the holding capacity of the powder container can be increased to 55 kg.



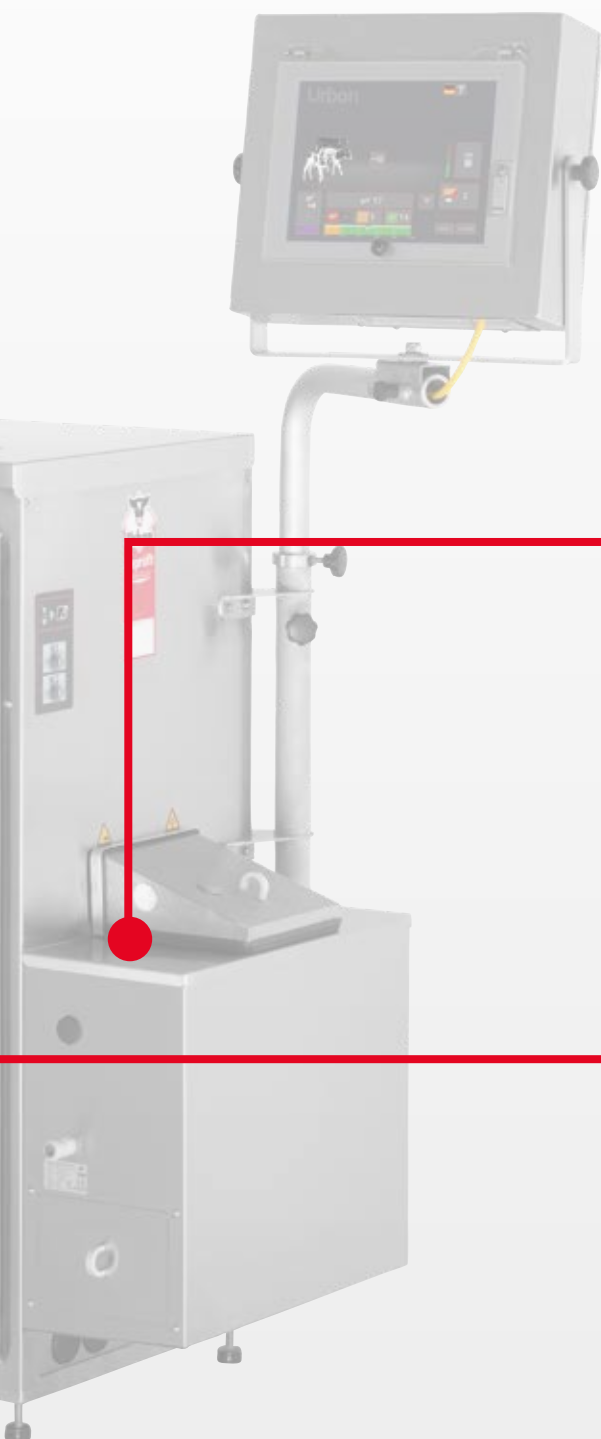
Liquid additive dosing unit

Liquid additives such as vitamins or electrolytes are directly fed into a ring line. Delivery of the additives can be adjusted individually. Calves requiring an additive will receive it while the others will not.



Powder additive dosing unit

Enables the automatic dispensing of powder additives, such as vitamins or medicines – individually or to the whole group.



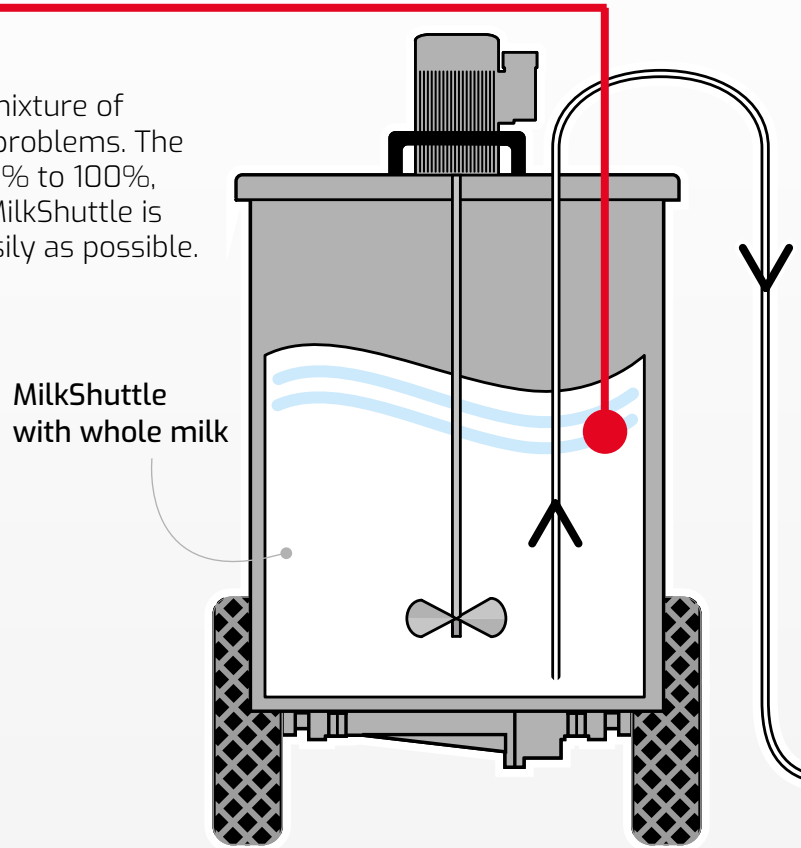
Additional pre-boiler

A second boiler can be installed at request for higher performance. It significantly increases the heating capacity of the feeder and thus makes it possible to feed more calves. The concept also includes a novel type of 2-phase cleaning: Two different detergents can be used in a single cleaning sequence.



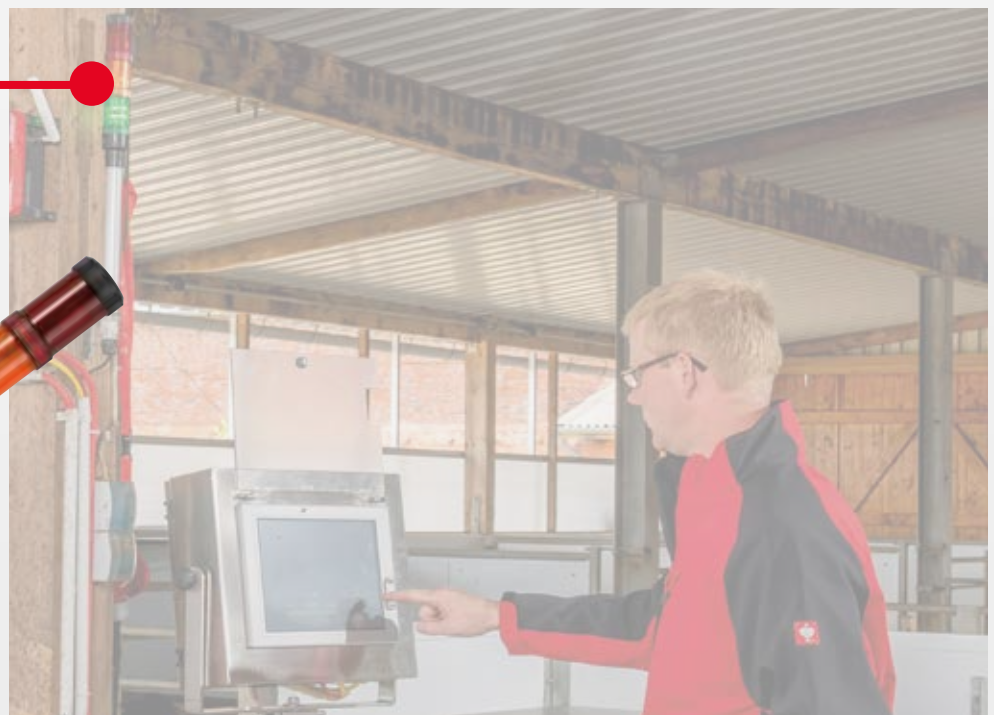
Whole milk feeding

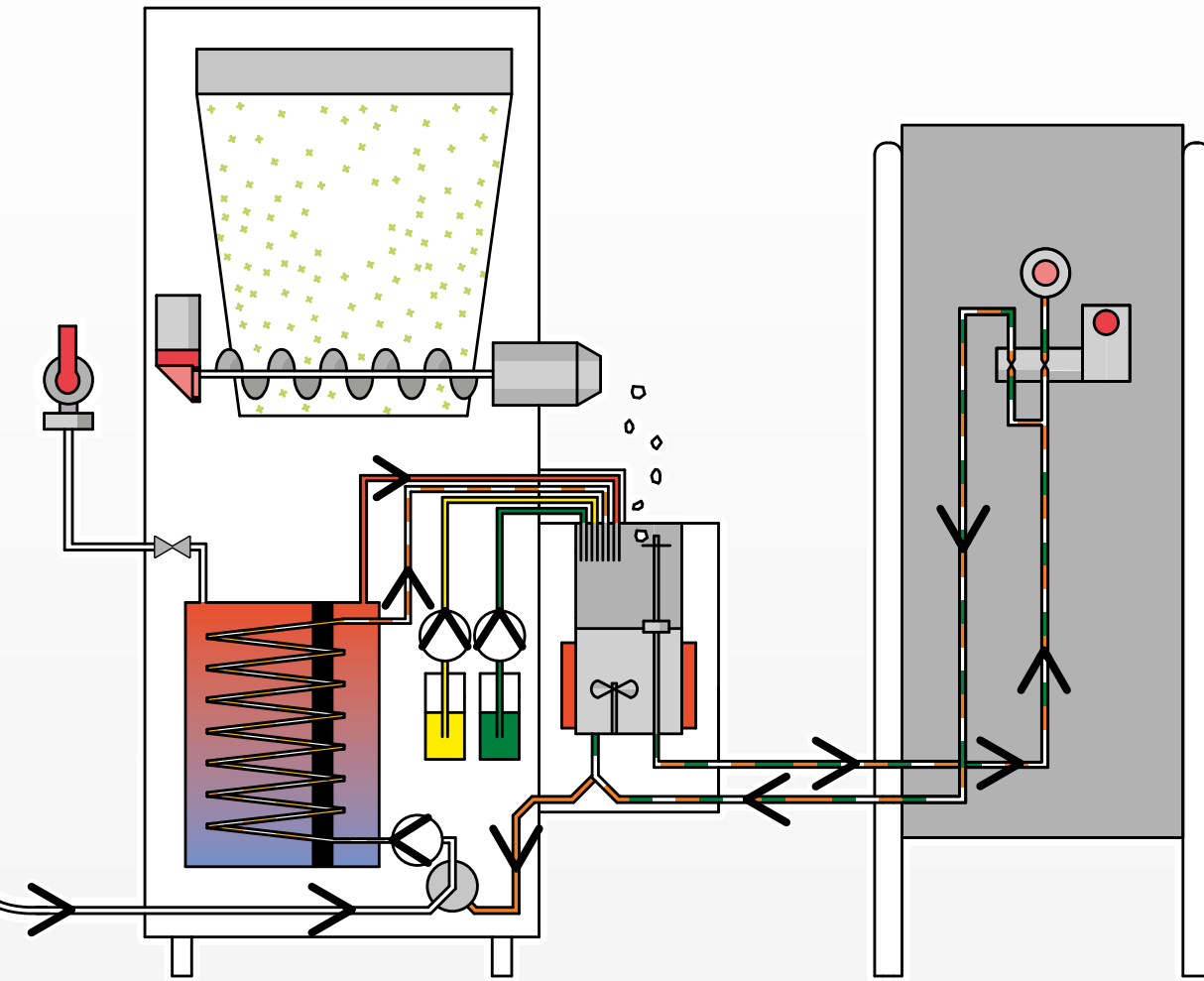
Feeding calves with 100% whole milk or with a mixture of whole milk and milk powder is possible without problems. The proportion of whole milk can be adjusted from 0% to 100%, also facilitating infinitely variable blending. The MilkShuttle is the ideal way to make fresh milk available as easily as possible.



Signal lamp

Red, yellow, green – the classification system clearly visualises the feeder status, even from a distance.





8-inch display

The economic alternative to the 12" display with swivel arm and internal WLAN. The 8" display can control up to four feeding stations.



EASY ACCESS:

The calves enter and leave the scales through two hinged metal bar doors, allowing for stress-free weighing.



URBAN calf scales

In addition to the temperature data from the VitalControl thermometer, the weight of the calves can now be determined and included into the health assessment thanks to the new calf scales. In connection with the Alma Pro, all health assessment data can be pooled and administered centrally. The scales can be stowed upright to save space. It is easy to clean and very robust.

The measured weight is matched to the respective calf. The system then automatically creates graphics and lists for weight development.





The app can be linked to the Alma Pro device. The data collected provide information on the development of each individual calf.

URBAN animal evaluation-app

Continuous monitoring and maintenance of animal health is the primary objective of livestock farming. This is the only way to ensure the raising and keeping of high-performance animals. The URBAN animal evaluation app now makes this task much easier. Animal health is assessed and documented in the app on the basis of defined parameters such as the condition of the respiratory tract, nasal discharge, eyes, ears or coat condition. A precise analysis of the animals' condition is achieved based on regularly collected data. It is thus possible to detect disease-related changes early and quickly.

Download
the app here!

The app shows example pictures of the condition to be evaluated (nasal discharge, respiratory tract, faeces).



The app not only collects the data for the individual parameters, it also analyses them. For example, feed intake can be analysed as a function of temperature and weight development.





Drinking stations

Whether basic standard features or full version – with our feeding stations you have the choice! Of course, both station types can also be combined.

BASIC MODELS

Standard station



Individual animal identification, safety bracket and quality teat – the feeding station with standard equipment already scores with numerous features.

Hygiene station



The teat is fully lifted up when calves are entitled to drink.

The teat housing closes automatically after each feeding process.

The teat is cleaned and, depending on the equipment variant, disinfected.

In addition to our standard station, we also offer a feeding station with teat housing and integrated teat cleaning. This promotes hygiene and prevents excessive "teat use" and thus premature wear of the teat.

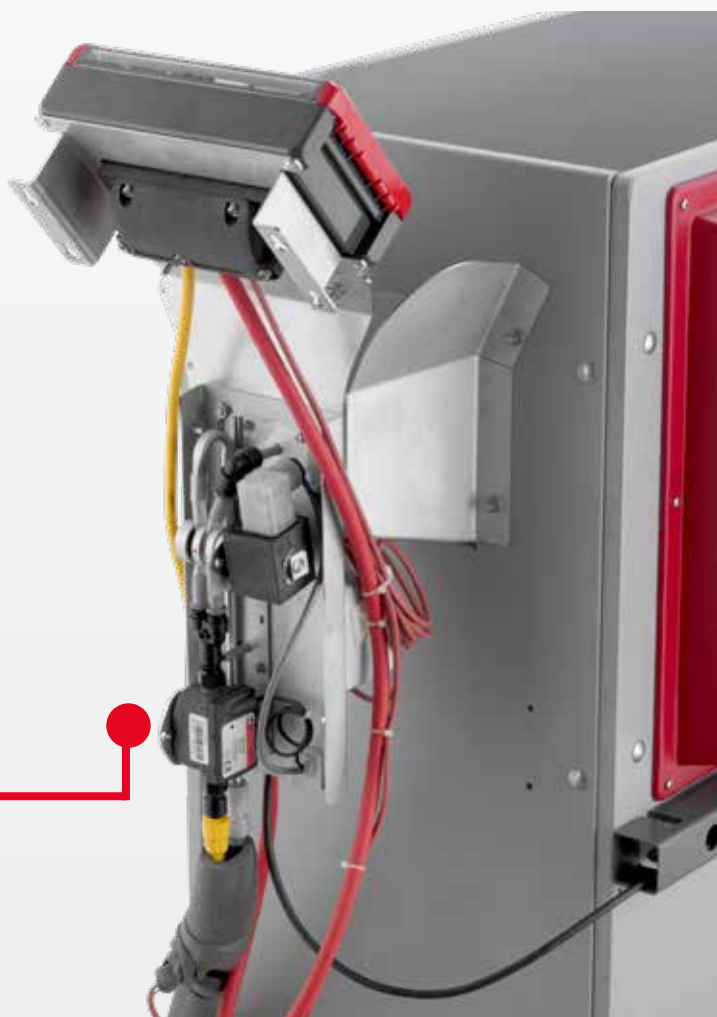


Tiltable feeding station

Both basic models can optionally be ordered in a tiltable version. The tilt function creates space for clearing out the manure and thus makes cleaning the barn easier.

Parallel feeding with FIT sensor

Whether standard or hygiene station – all feeding stations can optionally be equipped with the factory-installed FIT sensor. This sensor makes sure that all feeding stations are supplied with warm milk at the same time. It improves the measurement of feeding behaviour and permits automatic switching between individual feeding and parallel feeding.



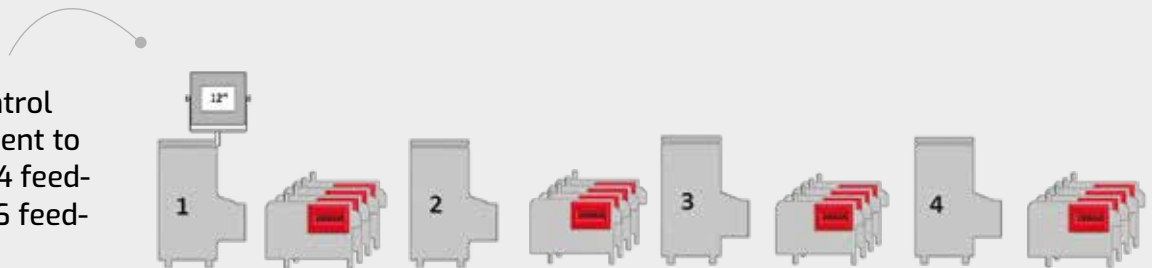


Installation options

It is our goal to create functional, farm-specific solutions. Our automatic feeder can be used for (very) small or large groups and can be extended depending on the intended purpose.



One single control panel is sufficient to operate up to 4 feeders and thus 16 feeding stations.



The installation of the Alma Pro depends on the conditions of the stable, the husbandry system, and the size of the group. While one automatic feeder and one feeding station

are often sufficient for small group sizes, the use of several automatic feeders with multiple feeding stations is recommended for larger groups. This is the only way to ensure that every animal receives enough milk. We will be happy to support you in planning

the optimal technical equipment. Each feeder can supply up to four double feeding stations. Optionally, the number of feeders per terminal can be increased to up to four.



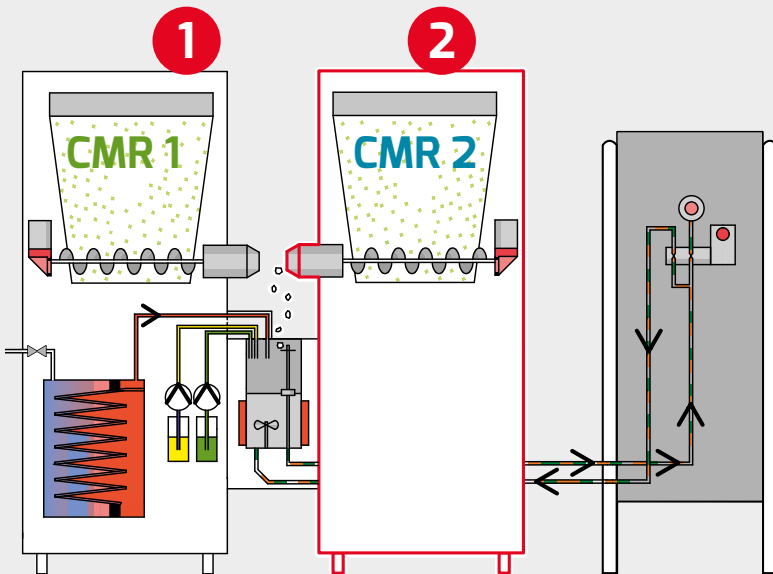
Alma Pro Duo

The Alma Pro Duo can be used to feed two milk replacer products. The advantage of this is that animal needs can be accommodated even more individually and that the different groups can be supplied with only one basic feeder. This installation option is particularly interesting for larger calf rearing farms.

In addition, the powder stock can be increased up to 55 kg per feeder.



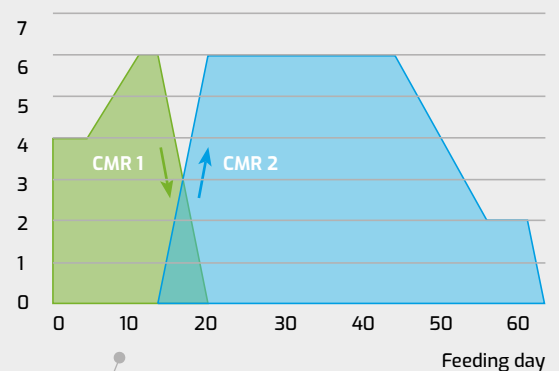
Alma Pro Duo with additional powder stock



① Alma Pro with all feeder functions.

② Additionally connected powder container, which can be filled with another milk replacer product or, alternatively, increase the powder capacity of the feeder.

Daily amount in litres



Example: Feeding 2 different milk replacers with the Alma Pro Duo



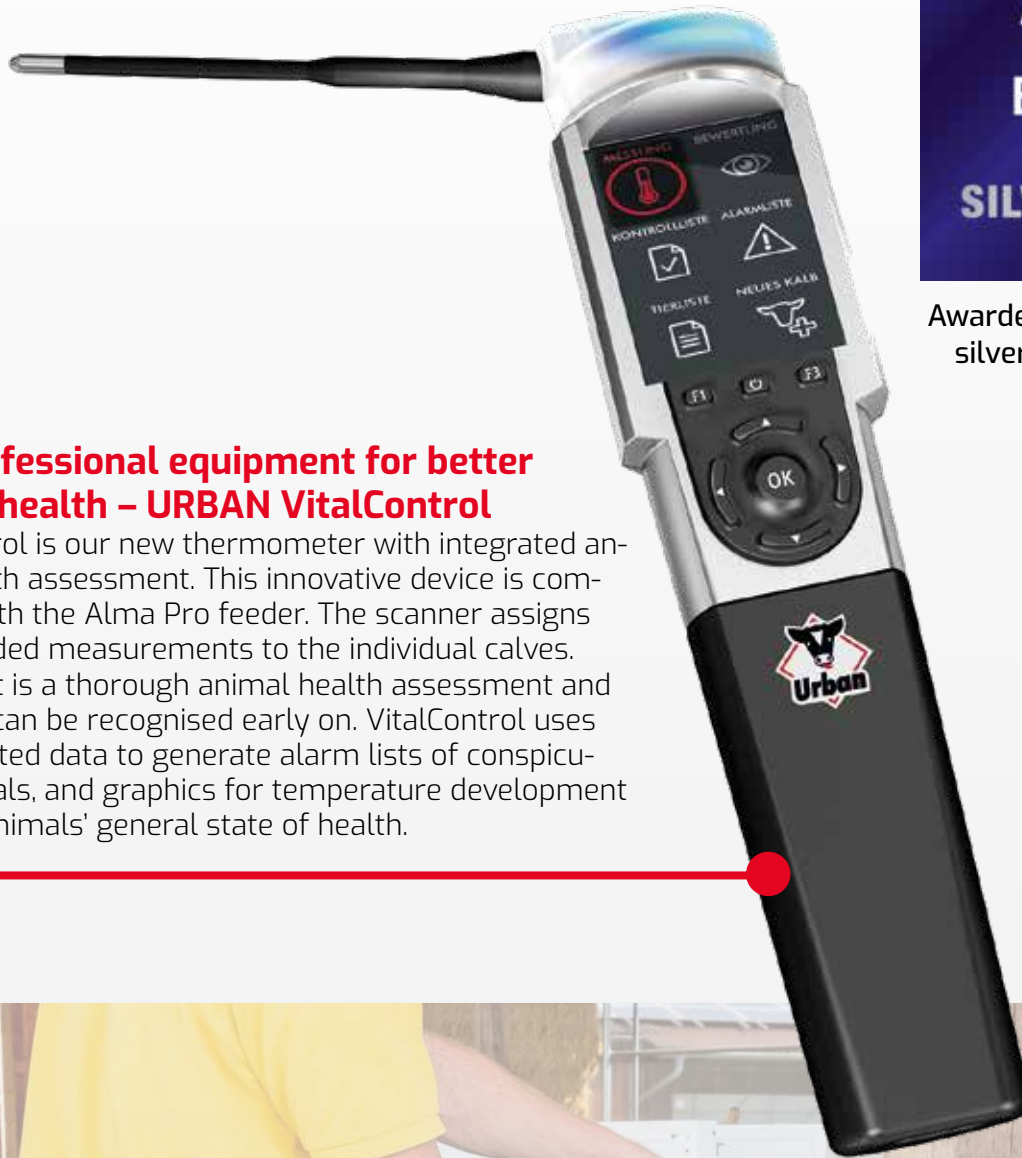
INNOVATION
AWARD

EuroTier

SILVER MEDAL

Awarded with a EuroTier
silver medal in 2018.

URBAN VitalControl

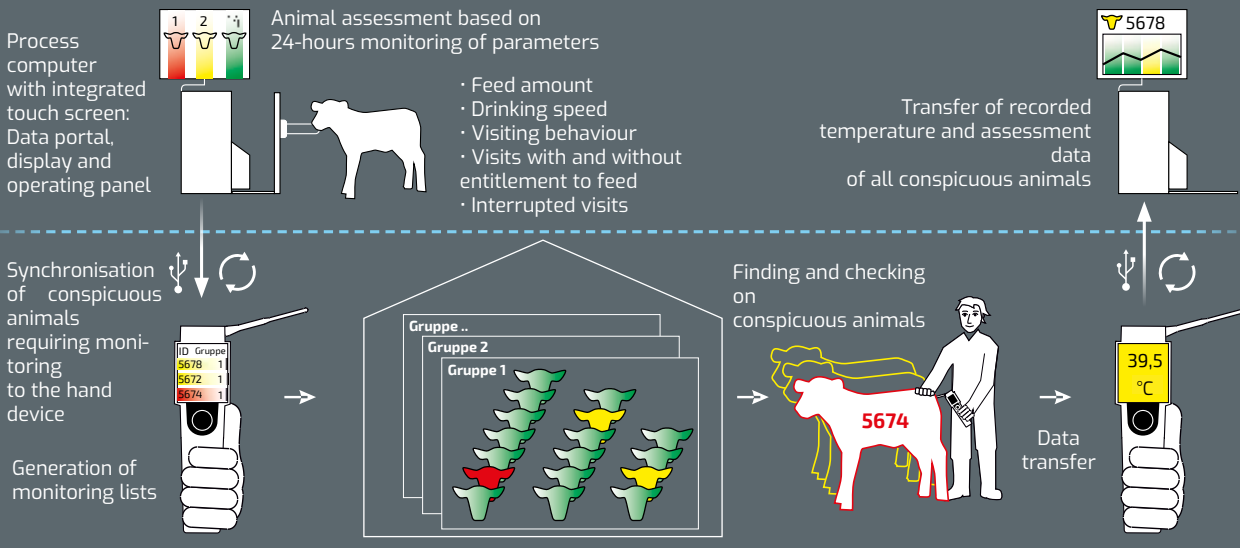


The professional equipment for better animal health – URBAN VitalControl

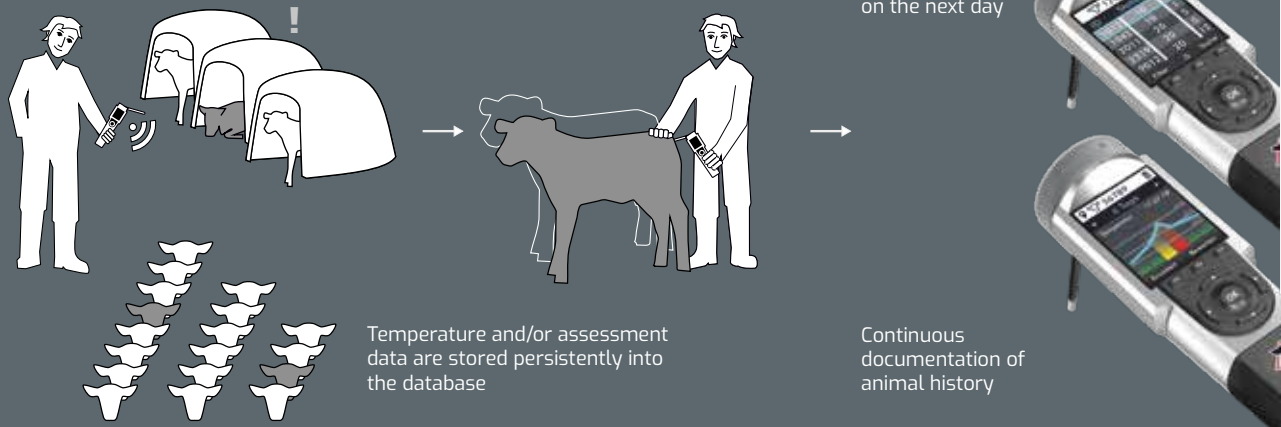
VitalControl is our new thermometer with integrated animal health assessment. This innovative device is compatible with the Alma Pro feeder. The scanner assigns the recorded measurements to the individual calves. The result is a thorough animal health assessment and diseases can be recognised early on. VitalControl uses the collected data to generate alarm lists of conspicuous animals, and graphics for temperature development and the animals' general state of health.



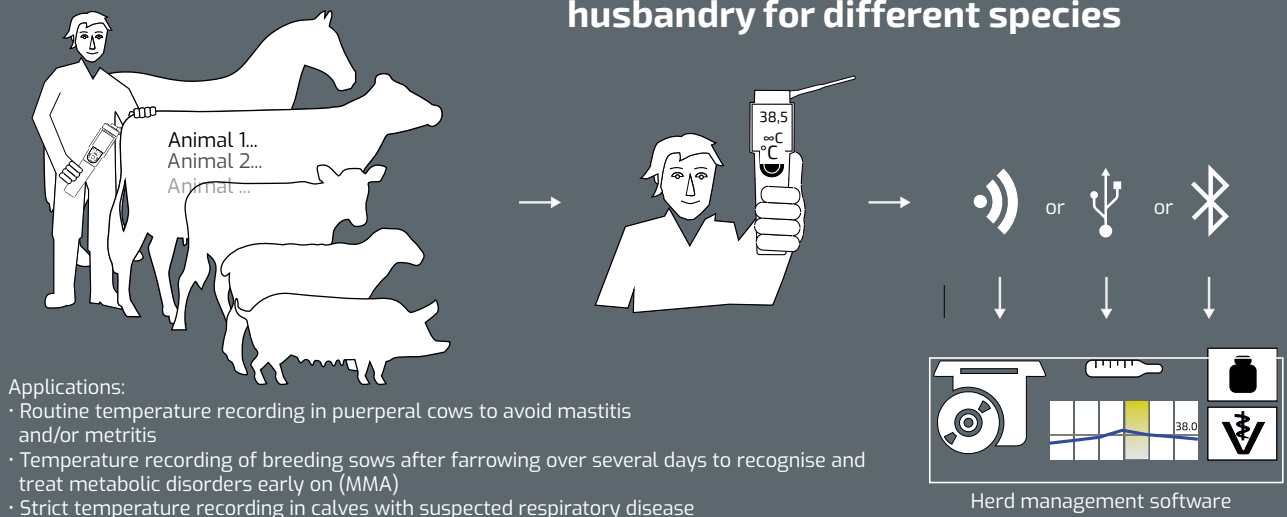
Connection to the URBAN automatic feeder



Standalone operation



Routine temperature recording during sensitive periods of animal husbandry for different species





The integrated **scanner** assigns the temperature to the individual calf.



The Vital Control device **measures the temperature** of the calf and provides an assessment by showing a colour categorisation of the temperature.



VitalControl uses the collected data to generate **alarm lists** of conspicuous animals, and it is possible to create your own **control lists**.

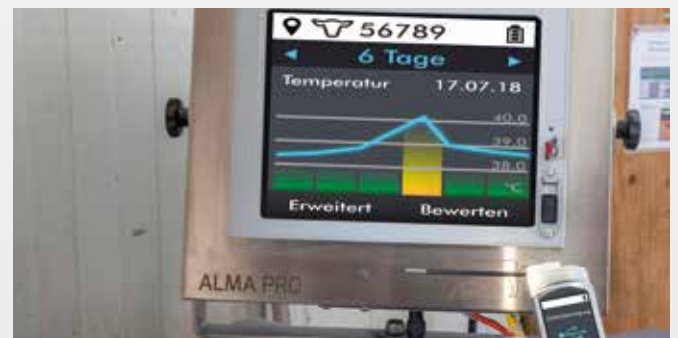


Visual inspection

Simple assessment of the general status or extensive evaluation in the following categories: feed consumption, consistency of faeces, respiratory disease



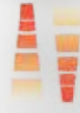
Connection to the feeder: VitalControl **transfers the data via USB** to the operating software where they are integrated into the health assessment algorithm.





Transponder (ISO 11784/85)

Visual representation of the measurement result



Illumination of the anal region

The comfortable handle and the clearly structured display ensure a quick and easy measuring process.

Rotatable head with integrated measuring tip, suitable for left- and right-handed operators

Vibration to signal the end of measurement

Long, stepped, bendable, deflectable measuring tip made of flexible, tissue-friendly material

USB / WiFi / Bluetooth





“Since we started working with the feeders, they have taken a big chunk out of our workload and we are able to use the time saved for other tasks on the farm.”

Torsten Meier

A comprehensive success

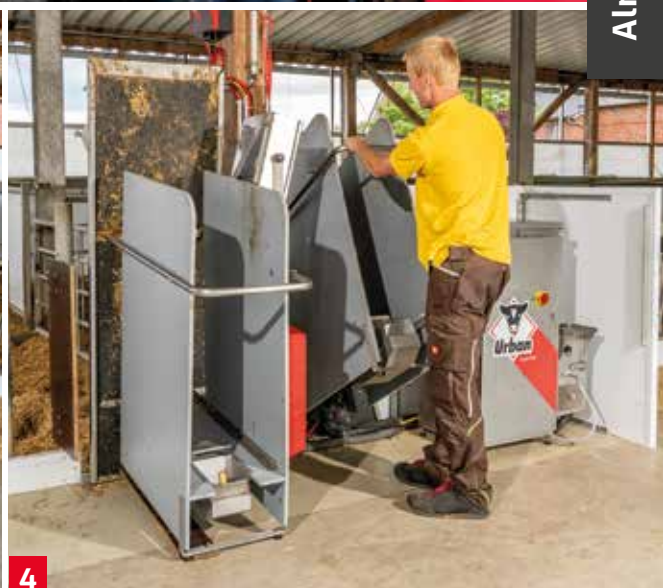
The Alma Pro takes care of the young calves on the Meier farm with great success.

The Meier family farm is located in a small village between Bremen and Hamburg in Germany. Torsten Meier completed his agricultural training as a master craftsman and in the summer of 2018 took over his parents' farm with 150



Three generations under the same roof – the Meier family from Lower Saxony (Germany).

dairy cows and a breeding programme of their own. Father and son continue to work together towards innovative and wholesome rearing of their approximately 70 calves. This is why they invested in a new barn for Holstein calves as early as 2014. In addition to up to five 44 square metre group pens for up to ten calves, the 600 square metre barn also offers



the option of accommodating up to 20 calf hutches. To round off the health management, Torsten Meier decided to use URBAN's feeding technology. He uses the Alma Pro not only for the automatic single-station feeding of the young calves but also for feeding the older calves (age > 2 weeks) in the group. Automatic single-station feeding allows up to 16 calves to be fed at the same time. Torsten Meier can rely on his calves to be fed according to their needs and welfare. He can also rely on having detailed, well-prepared data records for each individual calf available to him at all times. In times of extensive documentation obligations, this saves both time and nerves. Combined feed-

ing with the Alma Pro allows for optimum individual animal monitoring during the development of each calf. Thanks to URBAN's sophisticated technology, the Meiers successfully establish the basis for the development of robust and healthy dairy cows.

FARM PROFILE

Name: Family Meier
Location: Lower Saxony, Germany
Size: 100 ha
Livestock: 120 dairy cows, offspring
Staff: Family

1 The neck rail provides the necessary support during the training phase and adds safety to the farmer's work.

2 Control and monitoring is also possible outside the stable via tablet or smartphone.

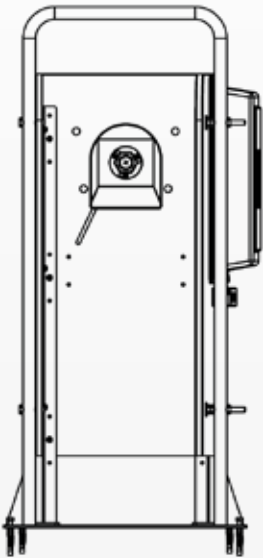
3 One feeder and two feeding stations provide milk to the calves on the Meiers' farm.

4 When clearing out the pens, the stations can simply be tilted out of the way.

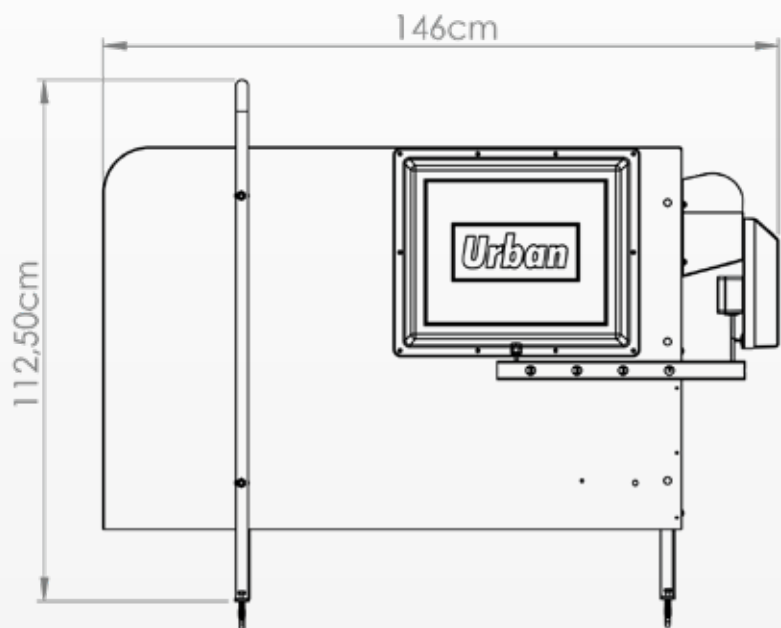
Feeding station

All measurements are given in cm.

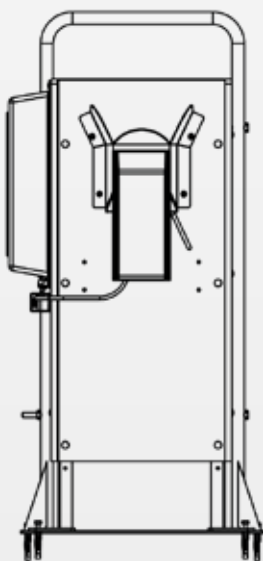
Front view



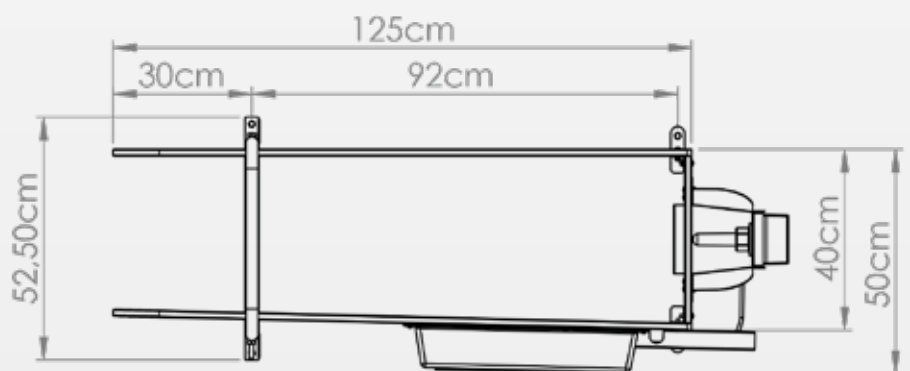
Lateral view



Rear view



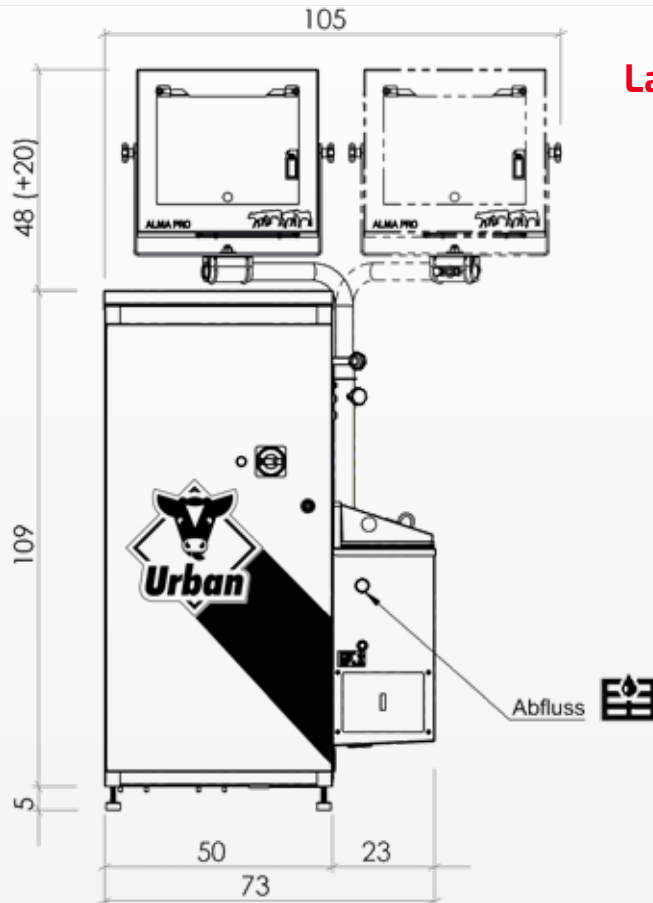
Top view



Automatic feeder

All measurements are given in cm.

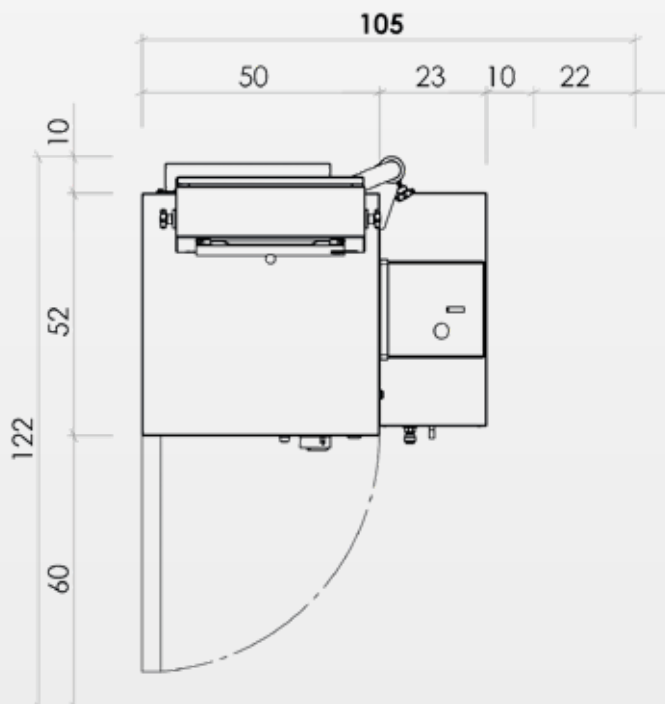
Front view



Lateral view



Top view



Required connections



Water supply 2 to 4 bar



Grounded socket 240V / 16A

When using the pre-boiler, please contact the Urban Service department.



Drain

URBAN MilkShuttle

The mobile calf feed mixer for professionals.





The objective: Effortlessly master the daily challenges of working in the calf pen.

Feeding calves is heavy physical work, and moving 100 kg or more several times a day is not an infrequent occurrence. Coping with inclines, rough terrain, or ice and snow during the winter is especially difficult. With the MilkShuttle, these worries have become a thing of the past. The electrically operated calf feed mixer brings the freshly pre-

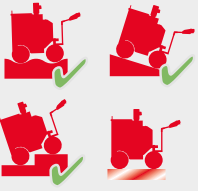
pared milk directly to the calf. This practical helper features a stable chassis, easy operation and uncomplicated cleaning.

URBAN MilkShuttle

Considerably reducing the workload of calf feeding: From now on you will work with less effort, without physical exertion and even save time.

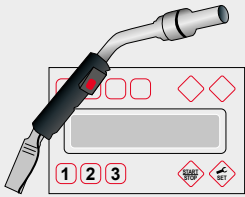


The benefits at a glance



Elektric drive

provides an effortless transport of the milk even over inclines, rough terrain, steps or ice and snow.



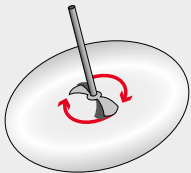
Easy dosing

With the ergonomically shaped pump nozzle the milk for your calves is dosed without effort. Three different dosing quantities can be programmed.



Various volumes

Available in different versions – from 100 to 250 litres holding capacity.



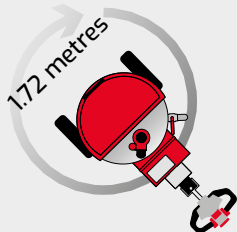
2-stage agitator

For whole milk or milk replacer.



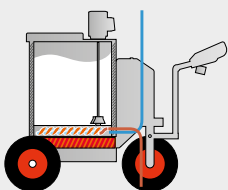
Automatic stop

Prevents sudden setting into motion and ensures a safe parking position.



Extremely small turning circle

With a radius of only 1.72 metres the MilkShuttle is highly manoeuvrable and also suitable for small stable buildings.



Optional: Integrated pasteurisation function

For easily digestible milk feeds.



” Our equation to comfortable calf feeding:
Feeding 30 calves by bucket = 25 minutes
Feeding 30 calves by MilkShuttle = 11 minutes
This leaves more time for other things!

Thomas Sprock, Managing Director



MilkShuttle

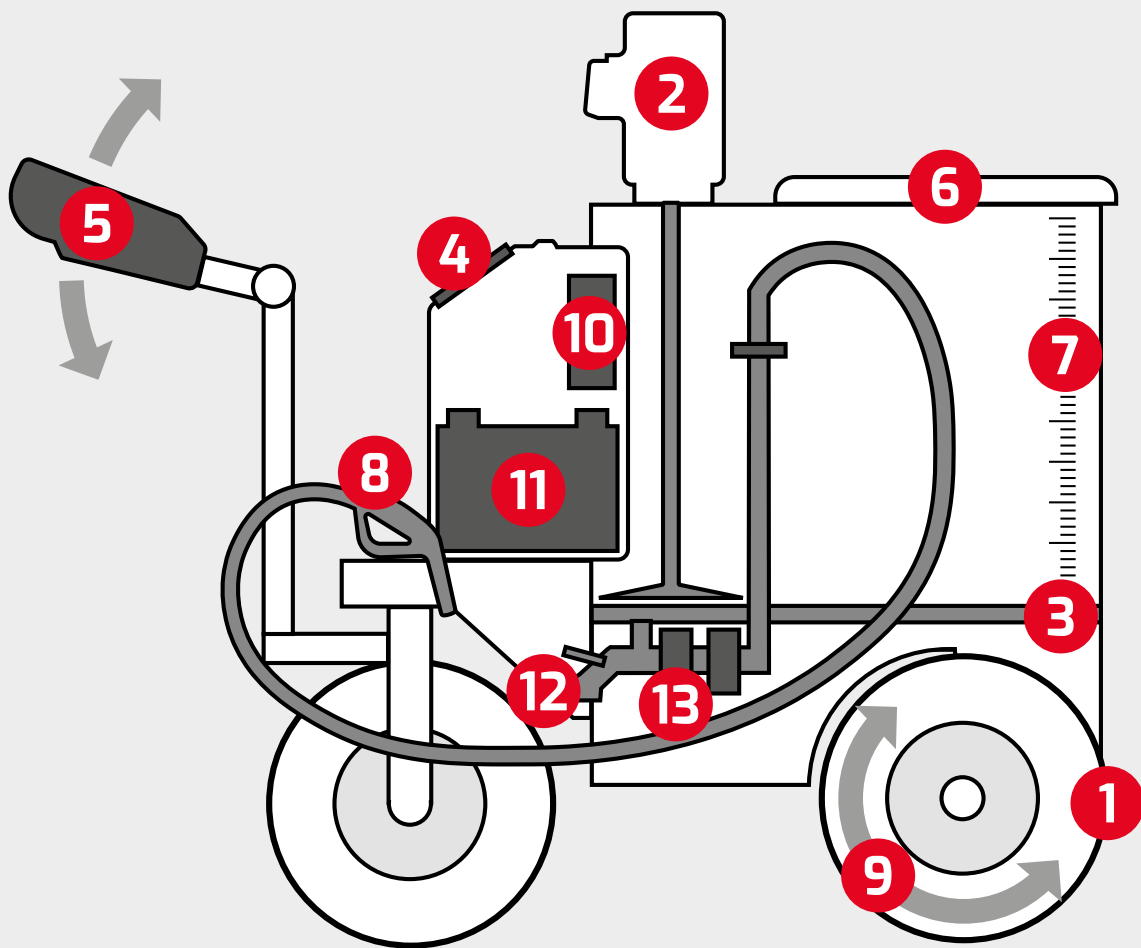




Components

The following provides an overview of the most important components of the MilkShuttle.

- 1 Three puncture-proof large wheels (diameter: 40 cm) for the necessary stability and excellent driving comfort.
- 2 Almost noiseless agitator motor.
- 3 Built-in floor heating. Optionally, also a cooling unit can be installed.
- 4 Clear and simply structured control electronics/control panel.
- 5 Ergonomically designed handle for easy handling, even on rough or sloping terrain.
- 6 Cover with seal and closure – keeps the milk safely protected.
- 7 Practical quantity scale in the container to allow for easy preparation of the correct mixture.
- 8 Pump nozzle with ergonomically designed handle for easy filling of buckets.
- 9 Steplessly variable electric drive – forward and backward.
- 10 Power electronics
- 11 Powerful 12 volt battery – can be loaded comfortably via a 240V domestic power connection.
- 12 1.5" drain valve
- 13 Pump (battery)



MilkShuttle





Model variants

Providing a suitable MilkShuttle for each farm and every requirement – that was our goal. We have achieved it by offering four MilkShuttle sizes and variable equipment options.

Container sizes

BASIC MODELS



MilkShuttle
100

MilkShuttle
150

MilkShuttle
200

MilkShuttle
250

From the smallest MilkShuttle with a holding capacity of 100 litres up to the XXL-version with a volume of 250 litres – our basic models provide the basis for a daily helper perfectly suited for your farm. We would be pleased to assist you in selecting the right solution.





Electric Drive

Optionally, all basic models can be equipped with a factory-installed strong electric drive. The propelling drive is steplessly variable and has both a forward and a backward gear. Thus you will reach your calves without effort.



Features

Our objective: Develop user-friendly and clearly designed helpers for daily work. Our MilkShuttle convinces by its simple structure and extremely robust components.

The control panel

The control panel of the MilkShuttle is clearly designed and very easy to operate. The various programmes can each be selected by just one push of a button. All relevant data, such as the battery level are shown in a transparent way.

Three different start times can be programmed to heat the milk.

MilkShuttle





Fit for all terrains

Thanks to the compact three-wheel design, the MilkShuttle is extremely manoeuvrable and fit for all terrains. Given its turning radius of just 1.72 metres you can take the MilkShuttle into any corner without problem.

The built-in stop mechanism allows for safe parking even on a slope. The emergency stop button increases work safety: If someone is at risk of being trapped, it will stop the MilkShuttle and roll it back.



Puncture-proof tires

Our tires have a highly elastic plastic core. They are puncture-proof and maintenance-free. In addition, the indestructible tires stabilize the all-terrain MilkShuttle by their own weight.



The milk can be tapped quickly and accurately in 0.1-litre-steps. Three pre-programmed dosing quantities are selectable.

Large containers can be filled via a special function.

Comfortable dosing

By means of dosing pump and dosing nozzle, the calves get exactly the amount of feed they should receive. The desired quantity of milk can be pre-set and then filled-in using a button on the dosing nozzle or dosing arm.



Button on the drawbar



Dosing nozzle with built-in check valve. Easy disassembly ensures convenient cleaning.



**QUICKLY
READY FOR USE:**

It takes only a short while
to warm the milk
so that it
can be fed.

2-stage agitator

In order to obtain a homogeneous feed, the stages of the agitator can be selected manually and can thus be used with both whole milk and calf milk replacer. Use the low stage for gentle agitation of whole milk during warming – the interval timer prevents the milk from burning. The fast stage ensures lump-free mixing of the calf milk replacer.



Non-stop mixing

Helps to ensure optimal dissolution of the powder.

Mixing table in the lid

Always the right mixture of water and milk powder for perfect feed concentration.

Quantity scale in the container

Allows to quickly read and check the current amount of fluid.





Semi-automatic rinsing programme

The water circulates through the hose, thus cleaning it reliably. Cleaning time and water temperature are individually adjustable.



Additional cleaning nozzle

The lid of the MilkShuttle will automatically be cleaned too, saving an additional manual operation.



Drain valve

For easy emptying of the MilkShuttle after feeding and cleaning.



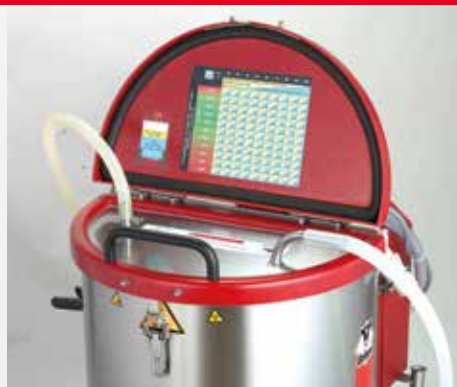
Options and accessories

Further technical equipment options allow you to adapt the MilkShuttle to the needs of your individual farm.



Plug-in connector for a drencher

For attaching a cow drencher to the MilkShuttle.



Vacuum lid for easy filling with fresh milk

The milk is drawn from milk cans or milk tanks into the MilkShuttle.



Swivel dosing arm

Height-adjustable – your hands are free for other things.

Headlight

The optional headlight provides better visibility in dark environments.



Insulation

Keeps the milk at the desired temperature for a long time – saving energy!

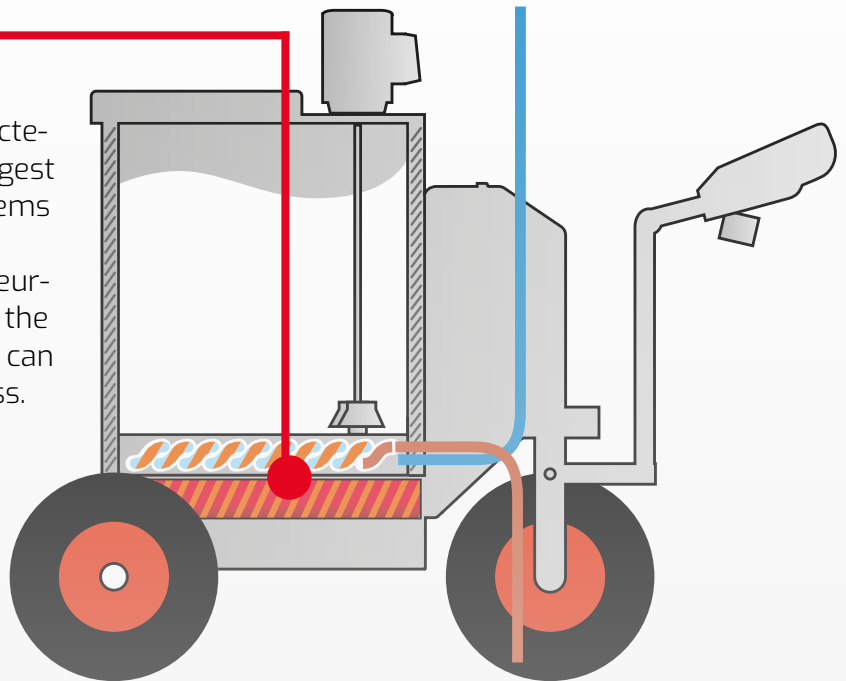




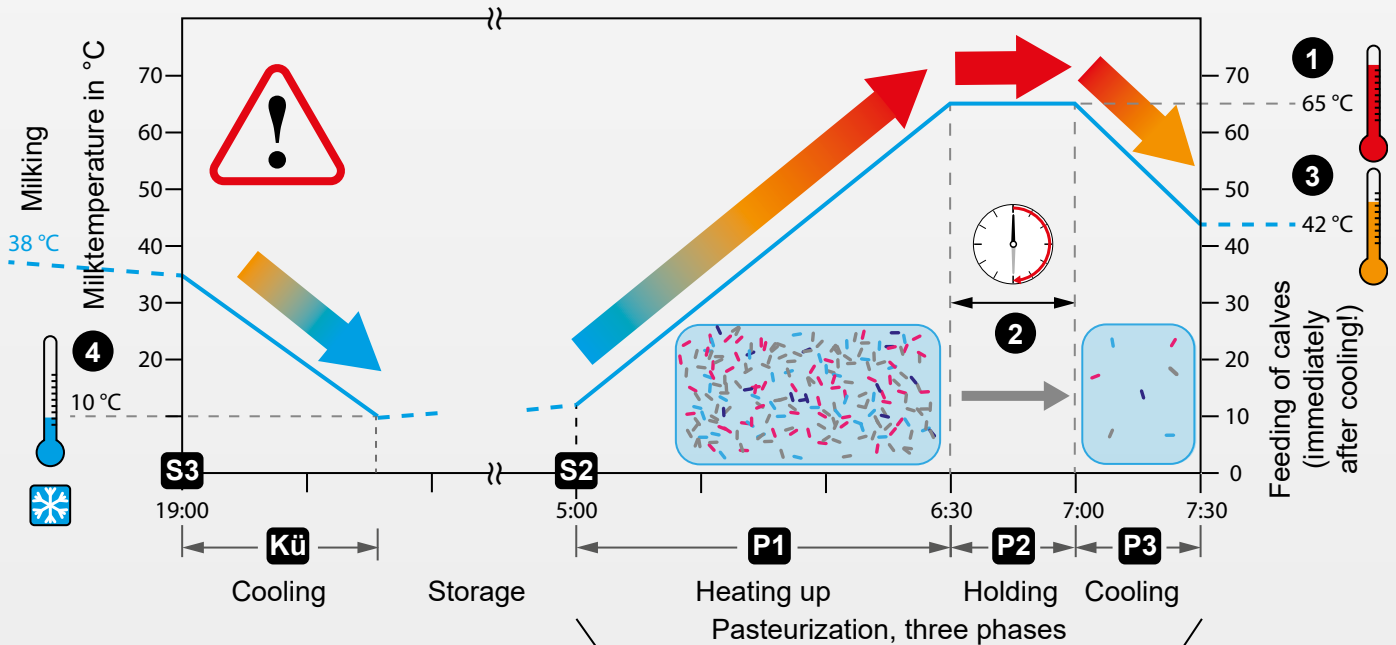
Pasteurisation function

Pasteurisation process

Pasteurisation reliably kills germs and bacteria by heating the milk. Your calves can digest the milk more easily and diarrhoea problems are avoided. The holding temperature is individually adjustable – even gentle pasteurisation is possible. Cooling takes place via the intermediate floor – also small quantities can be cooled, resulting in minimal energy loss.



The automated pasteurisation process





MilkShuttle





Caddy – everything at one go

Take teat buckets and accessories along. This trailer provides space for up to 24 teat buckets, milk cans and many other accessories such as water, feed or medication. The teat buckets can be hung upside down on hooks to dry directly after cleaning.



1 level



2 levels



MilkShuttle Duo

Two MilkShuttles combined by trailer coupling. Thus, in one operation up to 350 litres can be transported in two containers.



Removable accessory holder

Handy carrier for milk cans, feed bowls or teat buckets.

Trailer coupling

With the trailer coupling you can easily attach a trailer – for example the URBAN Caddy – to the MilkShuttle.



(Wall) Support

At the MilkShuttle or on the wall. The bucket carrier or accessory holder can easily be hooked into the special fixture and taken down again.



Bucket carrier

Up to 16 teat buckets can be transported with the bucket carrier and hung up to dry.



Optimally equipped

Why take a difficult approach when a simple one can be adopted – the Westrup-Koch dairy farm swears by the sophisticated URBAN technology.

The Westrup-Koch dairy farm is located in a village near Osna-brück in Lower Saxony, Germany. The farm is run by five families who jointly manage 718 hectares of land and operate a 650 kW biogas plant and a 230 kW photovoltaic system. Together with eleven employees and two

apprentices they take care of approximately 600 dairy cows and 600 young animals. Over the years, in order to ensure optimum living conditions for the animals, the farm was adapted again and again to meet the needs of the animals, and continuously modernised. Westrup-Koch has been working with URBAN for several generations. In order to provide best rearing conditions for the

calves, Westrup-Koch relies on URBAN products which are always one step ahead of technical progress. During their daily work with the calves they are mainly supported by the MilkShuttle and the Alma Pro Duo. When feeding the calves the hard physical work is taken over by the MilkShuttle. Thanks to the Shuttle, the calves in the individual boxes can be fed conveniently without carrying





1



2



3



4

heavy buckets. With the help of a mixing table in the lid even inexperienced employees can prepare an adequate feed concentration of water and milk powder. In addition, a clear control panel on the MilkShuttle provides the opportunity to automatically heat the milk to optimum temperature, thus saving valuable time. The MilkShuttle facilitates the daily work, is easy to operate and also allows for efficient time management. The Alma Pro Duo is of importance to Westrup-Koch mainly at a later stage with group calf management because it allows for feeding two different calf milk replacers to two or more groups. In their everyday work, the employees can rely on the system to constantly dispense the pre-set feed amounts to the individual animals. In case

of irregularities regarding the drinking behaviour or the feeder, an employee will be informed by text message to the smartphone. This allows for keeping an eye on feeder and calves at all times.

i FARM PROFILE

Name: Westrup-Koch GbR
Location: Lower Saxony, Germany
Size: 735 ha
Livestock: 600 dairy cows, 600 young animals
Staff: 11 employees, 2 apprentices

1 Thanks to three dosing levels every calf receives the optimum quantity of milk.

2 The new calf scales collect all weight data and allow for even better monitoring of the individual animal.

3 The data are sent to the feeder by the URBAN VitalControl device. Thus all health data are stored centrally and can be accessed from anywhere at any time.

4 With the MilkShuttle also long distances can be covered without problem.

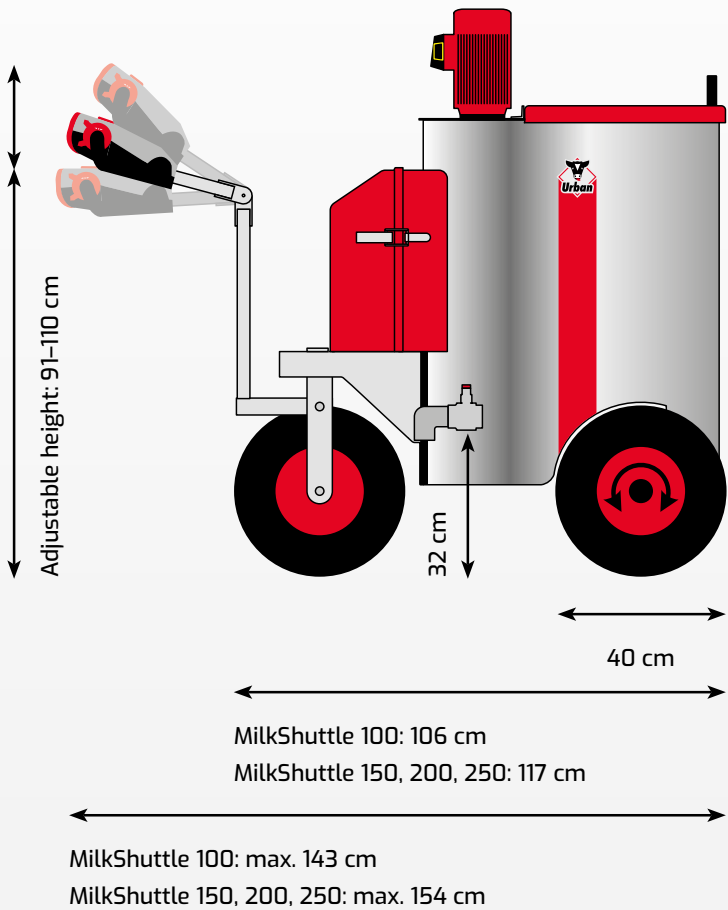




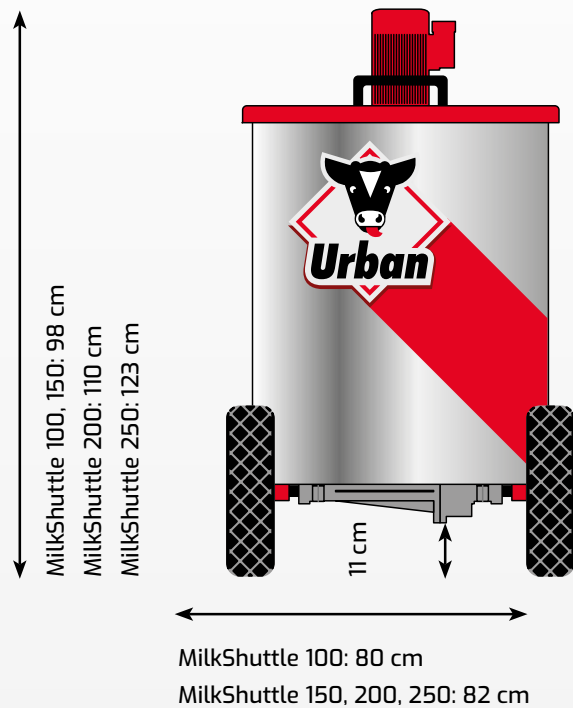
MilkShuttle

All measurements are given in cm.

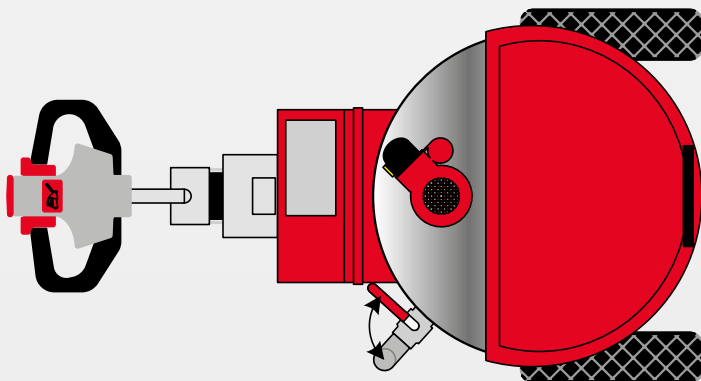
Lateral view

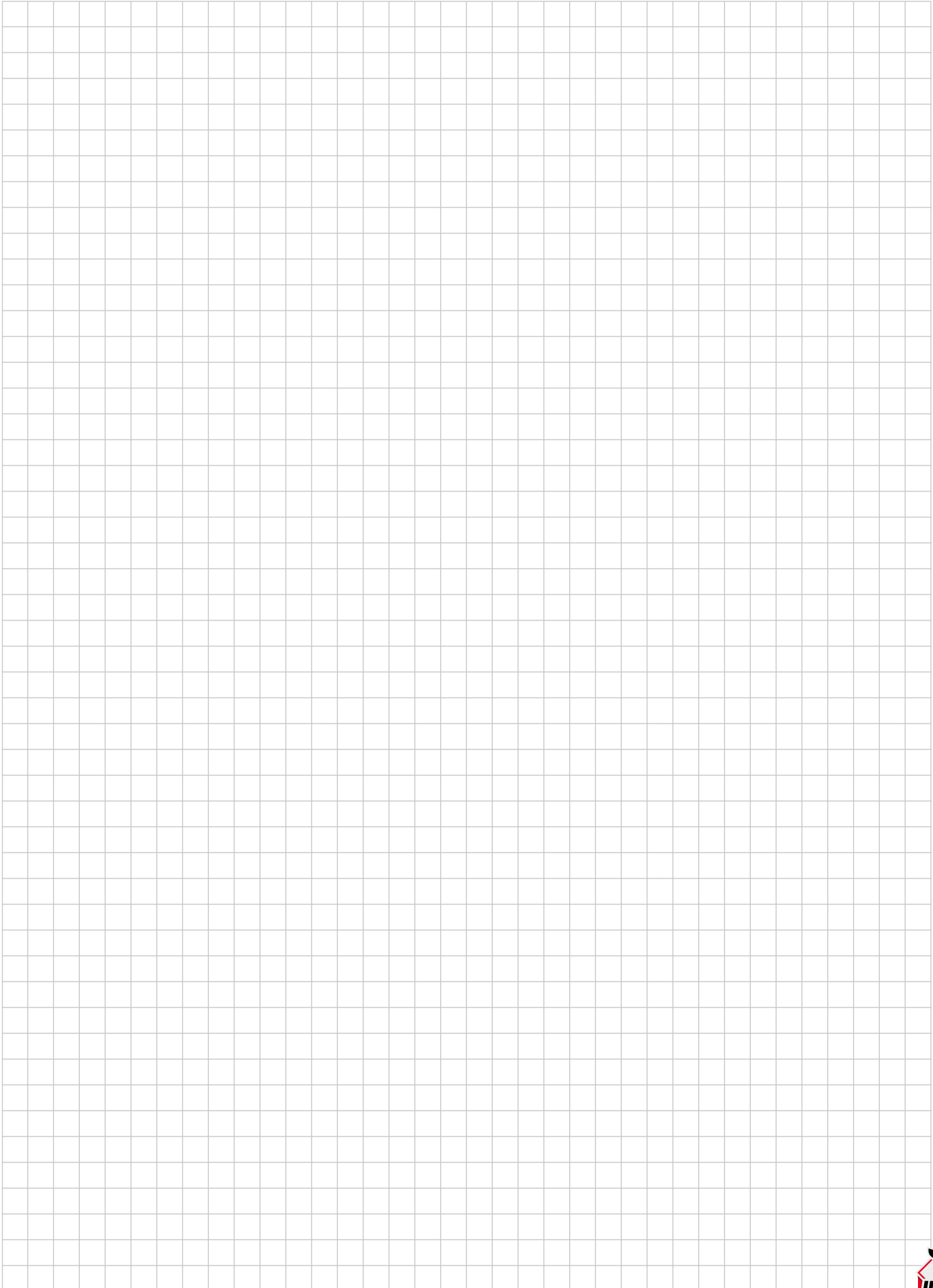


Front view



Top view





URBAN calf hutches

Comfortable housing options.





Best rearing conditions for your calves.

Rearing calves in an outdoor environment strengthens the defences of the animals and supports a robust constitution from an early age.

High-quality solutions for single and group management are provided by the URBAN calf hutches which offer extremely flexible options, tried and tested in practice.

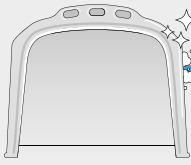
Each hutch comes with a plastic

threshold with large integrated wheels as a standard feature. We also offer practical accessories to adapt the hutches optimally to the individual needs of your calves.

Well thought-out down to the details

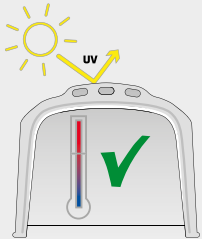
Pen fences and hutches can simply be tilted out of the way – this makes it very easy to clear out the area.

The benefits at a glance



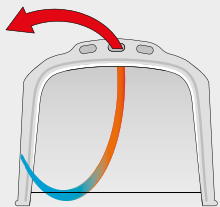
Easy to clean

The hutches are made from robust, hard-wearing and fibreglass-reinforced polyester. They are "one piece" and therefore have no cracks or gaps. This makes them easy to clean, dirt-repellent and unsusceptible to germs or bacteria.



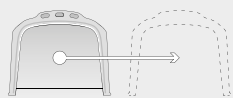
UV-resistant and temperature-insensitive

The combination of the material and the light colour makes the calf hutches UV-resistant and insensitive to cold and heat.



Avoiding draughts

The openings in the hutch roof ensure that warm, stale air can escape.



Easy to move

Sturdy wheels, handles and transport hooks make it easy to relocate the hutches.



” The URBAN hutches provide a great climate for our calves.”

Family Derboven





Model variants

We offer solutions to accommodate the specific needs of individual farms. The hutch models S and L are intended for individual housing.

URBAN calf hutch S

Dimensions (L x W x H)*:
Hutch: 150 x 120 x 125 cm
Pen fence: 150 x 120 x 95 cm



BASIC MODELS



URBAN calf hutch L

Dimensions (L x W x H)*:
Hutch: 200 x 120 x 140 cm
Pen fence: 150 x 120 x 95 cm



* outer diameter

urban-feeder.com





Features

Intelligent features and details make the URBAN hutches an indispensable part of calf rearing.



Well-conceived fence

Fencing with removable grid bar, bevelled corners and several mounting options for the teat bucket.



Front fence door

With teat bucket holder and bucket ring.



Write-on info board

Thanks to the (optional) information board, you and your employees always stay on top of things.



Sturdy handle

The sturdy handle allows for a safe relocation of the hutch.



Large wheels and number on the threshold

The large wheels make the hutches easy to move. The practical numbering makes it easy to identify the calves.







Hinged hutches

The URBAN calf hutches can simply be tilted out of the way – mucking out is very easy.



Tiltable pen fences

Pen fences are tilted away just as easily when clearing out the pen and hutch.



Options and accessories

Adapt the calf hutches in an optimal way to the specific needs of your farm with our practical accessories.



Feed bowl – 5 or 8 litres

Fits into the bucket ring on the pen fence.



Teat bucket

Easy to clean and optimally adapted to the needs of calves.

Bucket holder

- ① Teat bucket holder for the front fence.
- ② Multilock for teat bucket and combifeeder holder.
- ③ Ring holder for feed bowls and buckets.



Hay rack

Robust and durable.

Combifeeder

For the feeding of calves with hay and concentrate feed. With removable feed bowl and hinged lid.



URBAN transport aid

For easy relocation of hutches.





Model variants

The large-capacity hutch XL is the optimal solution for switching calves from single to group management without causing stress.

URBAN calf hutch XL

Dimensions (L x W x H)*:
Hutch: 260 x 225 x 180 cm pen
fence with or without locking
system: 225 x 225 x 105 cm



BASIC MODEL



Spacious and comfortable

Our large-capacity hutch offers space for up to 5 calves. As a standard, each group hutch comes with fencing incl. threshold, bucket ring holder and transport bracket. Two hoisting hooks on the roof of the hutch make it easy to transport.



Fenced pen with feeding fence and bucket ring holder.



Feeding fence with bucket ring holder.



Easy to clear out

The galvanised pen fence can simply be tilted out of the way making room for mucking out.



Practical and well thought-out

Removable fence to lock the calves into the hutch.



Easy access

The small door in the side fence provides easy access to the calves.





Options and accessories

Perfectly matched accessories leave nothing to be desired with the large-capacity hutch.



Hayrack

Easy to mount inside the hutch.



Hinged teat bucket holder

For five teat buckets.

Plastic feeding trough

With moulds for five buckets.



Combifeeder stainless steel

For the feeding of calves with hay and concentrate feed.



Adlib feeder

For dry fodder.





Strong calves

The Derboven family relies on outdoor housing in URBAN calf hutches to strengthen the immune system of their calves in an optimal way.

The history of the Derboven family farm dates back to 1961. The family business now has an area of around 340 hectares and keeps about 500 dairy cows and 490 young cattle. In addition to milk production and the farm's own milk processing, the family has also

devoted itself to breeding dairy cows with strong conformation. They use five own breeding bulls for this aim. In addition to keeping communication transparent and to providing fodder suitable for ruminants, the company philosophy also includes near-natural rearing of the calves. Next to four employees and four apprentices, URBAN products support the Derboven family in their daily farm

work. URBAN calf hutches allow the calves to be reared outdoors, which strengthens their defences even in the first weeks of life. The protected space and the special coating minimise the number of potential bacteria and germs and thus promote the vitality of the individual calf. Easy cleaning and the easy-to-tilt pen fence save the Derboven family and their employees an enormous amount





of time and work on a daily basis. URBAN offers the option of equipping the hutches with various accessories, for example teat buckets, hay racks or feed bowls. In this way, the calf hutches can be individually adapted to the needs of the farm.

For the feeding of the calves housed in the hutches, the Derboven family uses the URBAN MilkShuttle to ensure optimal supply. Any employee is able to operate the MilkShuttle during their daily work. To accommodate safety aspects, URBAN developed an emergency stop button, which immediately stops and rolls back the MilkShuttle when pressed. The farm likes to work with technical innovations: "We are convinced of URBAN's technical solutions. They make

our everyday work easier and support us in rearing our calves in the best possible way."

FARM PROFILE

Name: Family Derboven
Location: Lower Saxony, Germany
Size: 340 ha
Livestock: 500 dairy cows, 490 young cattle, 5 breeding bulls
Staff: 4 employees, 4 apprentices

1 The farm of the Derboven family in Lower Saxony, Germany.

2 The Derbovens rely on the URBAN MilkShuttle for easy feeding of the calves.

3 The children of the family are actively involved.

4 The pleasant climate in the URBAN hutches makes for fit and vital calves.



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