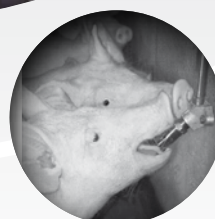


# GENERAL CATALOGUE 2019



**LA BUVETTE®**

The Specialist in Livestock Drinking Solutions



# LA BUVETTE®, SPECIALIST IN LIVESTOCK DRINKING SOLUTIONS FOR OVER 70 YEARS



## LISTENING TO THE BREEDERS TO GIVE THEM ALL THE SERVICE THEY NEED

*By Jean-Philippe BOUSQUET, CEO of La Buvette*

To meet the breeders' expectations and to address the challenges of their farms, LA BUVETTE combines its know-how and innovations of more than 70 years.

Our know-how and our expertise allow us to offer the breeders complete packages of products and services for both watering and housing their animals. Our goal is to guarantee the productivity of the farms by improving the animals' welfare and increasing the breeders' comfort.

Innovation is a permanent objective, allowing LA BUVETTE to offer a complete product range that is constantly renewed and improved. Our latest innovations such as the SUPERSTAR hutch for 5 calves, the BABYLAC drinker for "little snouts", the GALVALAC 65 T drinker with double access for water bowers and the heating elements for OVICAP drinkers were again approached with great interest and success at this autumn's trade shows SPACE, SOMMET DE L'ELEVAGE and EUROTIER. Our presence at these events is a great opportunity for us to engage in a constructive dialogue with our partners and the breeders from all four corners.

Our commercial teams develop special relationships with the dealers to assist the breeders in their daily work and to meet their expectations by offering a responsive local service. With our sights firmly set on the future and the new information media, we also offer tutorials and videos on our website, on YouTube and on our Facebook pages to help with the installation of our solutions.

For us, this proximity to the end user and the dealers, the sharing of our values "Quality – Innovation – Service" and our desire to always move forward are key to tackle the new challenges in the industry. You can count on our teams, know-how and expertise more than ever.



## EXPERTISE AND KNOW-HOW

LA BUVETTE has been manufacturing equipment for breeders for over more than 70 years. Based on a solid experience and French know-how, this small and medium-sized enterprise garnered an acknowledged position in the breeding industry. LA BUVETTE® is known by all breeders and breeding equipment traders, for whom the brand is tantamount to reliability, innovation and animal welfare.

Therefore, LA BUVETTE® possesses a modern and efficient factory at Charleville Mézières in the north-east of France. It directly employs 55 people and is linked to a group of 130 employees.

LA BUVETTE® has thousands of dealers in France and more than 50 other countries, who ensure a good geographical market coverage. With a turnover of 35% achieved from export, our brand is becoming more international day by day while our market share increases in the countries with high growth potential.





## RESEARCH AND INNOVATION

LA BUVETTE® markets all types of standard drinkers whether frost-proof or not on a large scale in France and abroad making available to its customers a complete range of solutions that are perfectly tailored to the issues of the breeders with regard to their type and size of herd. Our know-how concerns several species including cattle, pigs, sheep, goats and horses.



To fulfil the expectations of the breeders and to improve the performance of the livestock and the welfare of the animals, LA BUVETTE® has always focused on innovation in close cooperation with the professional users and dealers.



This is evidenced by the new equipment that is released every year, but also by the improvement of existing solutions such as the versions "2" of the LAKCHO and STALCHO drinkers that were launched last year.

## PROXIMITY AND SHARING

LA BUVETTE® pays special attention to the **satisfaction of the breeders**. This is a fundamental value of our company. Every day, our after-sales department listens to the questions of the breeders and gives them advice. The LA BUVETTE® sales personnel is also eager to visit the breeders whenever necessary. Therefore, LA BUVETTE® has a sales force of 8 experts in France and 5 abroad who are always present in the field.

It is their mission to develop a **close relationship** with the dealers by visiting them regularly during the year. Our teams also share LA BUVETTE's expertise by offering technical training programmes, giving advice or referring to tutorials and videos.

LA BUVETTE never fails to be present at several yearly trade shows such as SPACE at Rennes, SOMMET DE L'ÉLEVAGE at Courmon d'Auvergne, EUROTIER at Hanover, AGROFARM at Moscow and SIMA at Villepinte Paris. These are so many excellent occasions to meet the breeders and dealers and show them the LA BUVETTE innovations and, in the meantime, listen to their needs in order to further develop the LA BUVETTE range and offer new solutions.



## VIDEO TUTORIALS ON THE LA BUVETTE FACEBOOK PAGE

Installing a drinker, rewelding polyethylene, replacing a float valve, a flow adjustment screw or mounting a "Hands Dry" drain plug become as easy as child's play after having watched the videos on the LA BUVETTE / videos Facebook page

**facebook.com/labuvette.bovin/videos**

8 videos are already available and you will find many more in the coming months.



## LA BUVETTE, A COMPLETE OFFER FOR ALL BREEDERS

- Durable, reliable solutions
- Complete range and watering solutions for all animals
- Overall approach to the needs of the breeders
- Know-how made in France and expertise of more than 70 years
- Permanent innovation resulting in new releases every year to meet the challenges of the breeders
- Dynamic sales team and qualified dealers who listen to the breeders
- Top-notch after-sales service allowing to easily find spare parts as well as the retailers who can supply them.
- **Product guides, a catalogue for horses, guide-books (Guide for Watering Solutions on Pasture, a guide to help with the arrangement of sales points), La Buvette News, a newsletter to better inform and help the breeders**
- Website **www.labuvette.com** with more than 1 350 product sheets and access to all LA BUVETTE documentation



**LA BUVETTE WARRANTY INFORMATION** The LA BUVETTE® material comes with a 1-year guarantee against all manufacturing defects unless otherwise stated. This guarantee only covers the replacement of defective parts that are returned at the buyer's expense. Any warranty claim shall be sent by the user to his dealer, accompanied with a detailed explanation and photos. The dealer shall transmit the claim to the LA BUVETTE® representative of his region and the latter shall submit it to the After Sales Service of LA BUVETTE®. For more information, please ask for our detailed warranty conditions.



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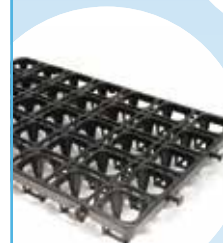


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Calves



Sheep



Goats



Pigs



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### UNITS CONVERSION TABLE

Thread	3/8" = 12 x 17 mm
	1/2" = 15 x 21 mm
	3/4" = 20 x 27 mm
	1" = 26 x 34 mm
	1 1/4" = 33 x 42 mm
	1 1/2" = 40 x 49 mm

Pressure 1 bar	= 14 psi
	= 1000 hPa

1 USG	= 3,785 litres
1"	= 25,4 mm



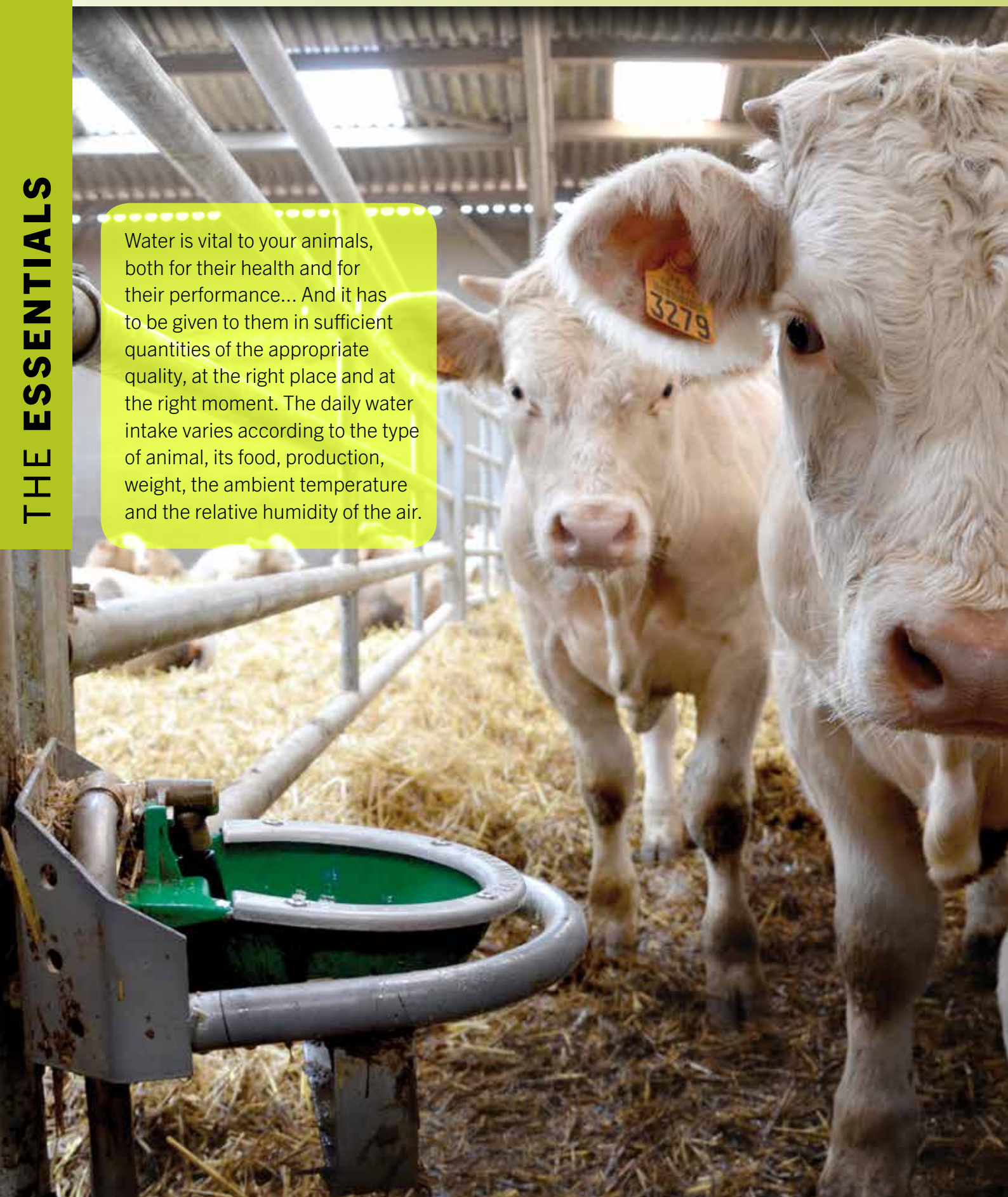
In this catalogue you will find some QR codes like this one. Scan them with a smartphone or tablet that is equipped with a QR code reader to have direct access to supplementary content such as instructions in pdf, videos or our web pages.

Not contractual document.  
In a concern of constant improvement of our products, we may modify their characteristics without advance notice.

# ADVICE FROM LA BUVETTE® ON INDOOR DRINKING SOLUTIONS

## THE ESSENTIALS

Water is vital to your animals, both for their health and for their performance... And it has to be given to them in sufficient quantities of the appropriate quality, at the right place and at the right moment. The daily water intake varies according to the type of animal, its food, production, weight, the ambient temperature and the relative humidity of the air.



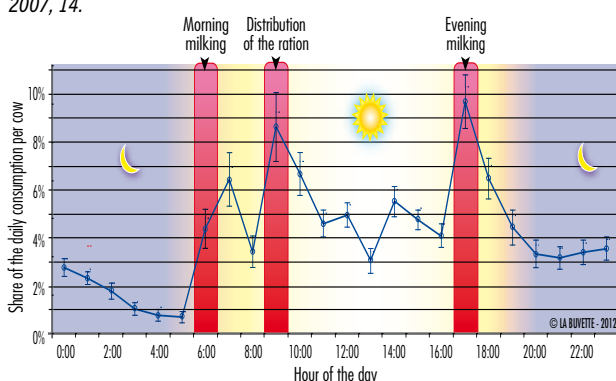


## ZOOM ON THE HABITS OF CATTLE IN STABLE

- Dairy cows need 3 to 5 litres of water per kilo of dry matter intake and for each litre of milk produced, they drink 2 to 3 litres of water (this rule is not cumulative).
- A dairy cow can drink up to 135 litres of water per day in 6 or 7 visits to the drinker, very often after the distribution of the feed ration or after milking (which explains the importance of locating the drinking points near the feeding table and the exit of the milking parlour, see following pages).
- Every day, 10 to 12 minutes are spent drinking. One bovine cattle can absorb up to 18 litres per minute, which is why it is so important to choose a drinker supplying the right flow rate.
- A drinker with constant water level allows faster ingestion than a tube or paddle drinker and is preferable for dairy cows with a high need for water. If the flow rate is insufficient, the bovine animal will drink more often (up to 15 times a day).

## BREAKDOWN OF DAILY WATER CONSUMPTION BY A DAIRY COW

Study involving 82 lactating Prim'Holstein cows, fed a complete ration and kept in loose housing. Source: "The factors responsible for variation in drinking behaviour of dairy cows", Cardot V., Le Roux Y., Jurjanz S. Journées 3R, 2007, 14.



## NUMBER OF DRINKERS AND INSTALLATION HEIGHTS

PRODUCTION	NUMBER OF ANIMALS/ DRINKING POINT	HEIGHT TO THE EDGE OF THE DRINKER
Dairy cows	10	0,70 < h < 0,80 m
Nursing cows	15	0,65 < h < 0,75 m
Young cattle	15	0,50 < h < 0,75 m
Calves	10	0,40 < h < 0,50 m
Weaner pigs	15	Step + 0,15 m
Fattening pigs	15	Step + 0,30 m
Sheep	25	Step + 0,5 m
Dairy goats/ewes	20	Step + 0,6 m
Horse herds	15	1,10 to 1,20 m

## TECHNICAL ADVICE ON THE INSTALLATION

### TYPE OF SEALANT ACCORDING TO THE MATERIAL

FITTING	TYPE OF SEAL
Synthetic / Synthetic	Teflon (or paste or cord sealant)
Synthetic / Metal	Teflon (or paste or cord sealant)
Metal / Metal	Hemp (chaff) + paste (or sealant cord)
Swivel fittings	Flat paper or rubber gasket (supplied)

Make sure to install the fittings according to the rules and, for example, do not forget to scratch the threads. Please call on a professional plumber in case of doubts.



## RULES FOR INDOOR INSTALLATION OF DRINKERS

- Provide for a sufficient number of drinking points to reduce competition at the drinker (cf. table above). At least two distant drinkers should be provided to allow the subordinate animals to drink freely.
- Install the drinkers at a sufficient distance from each other. The ideal trough length is 50 to 60 cm per cow and the maximum distance in the stable to the drinker is 20 m.
- Choose the location of the drinkers favouring a good circulation of the animals (especially in the passageways between the cubicles) and keep the space around the drinkers clear to allow avoidance between dominant and subordinate animals. See all details on the following page.
- Install the drinkers at the right height (cf. table above). When they are installed too high, the animals are prone to lapping (resulting in spilling) and when they are installed too low, the drinkers risk to be spoilt by dung.
- The straw bedded areas are to be considered as a special case. Finally, to avoid soiling the litter, it is recommended to place the drinkers along the central passageway, taking care to prevent access from the straw area.
- Keep an eye on the water quality. It is recommended to clean the drinkers once a week.
- Control the water temperature. In general, the animals rather prefer warm water to cold water. In winter, the distribution of warm water can result in a higher production and in summer, cool water (10-15 °C) helps improve the ingestion and the production. See our solutions in the FROST-FREE section.
- The installation of a filter at the beginning of the water line (page 86) is necessary to guarantee the optimal operation of the drinkers. Overpressure should also be avoided as this may affect the proper operation of the valves and prematurely damage the wear parts. The installation of a professional pressure reducing valve (A406, p. 86) is mandatory when the pressure exceeds 5 bars (72.5 psi). The ideal operating pressure is 3 bars (43.5 psi).

# HOW TO DETERMINE THE BEST LOCATION FOR INDOOR DRINKERS

## COWS KEPT INDOOR

Your cows need the best possible access to water when they are kept indoor. An unsuitable location of the drinking points can have a negative impact on the milk production or the growth of the animals. Therefore, it is important to consider the drinking behaviour within the layout of the buildings, starting in the earliest phase of the construction project of the building.

The diagrams on this page show the ideal locations of the drinking points depending on the building layout.

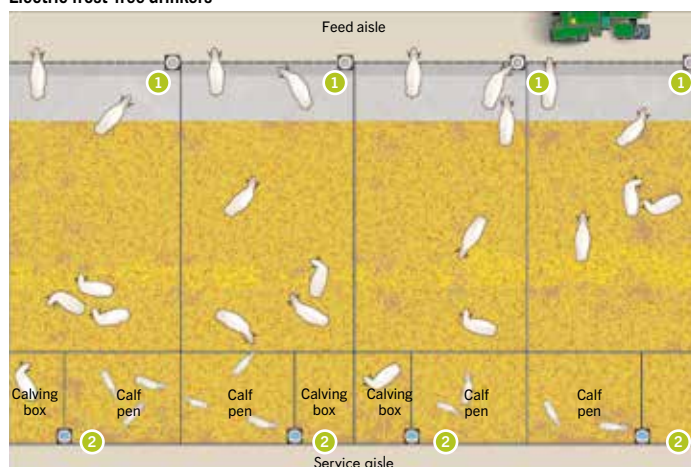
## OUR ADVICES

- The access above the drinking point must be at least 60 cm wide, otherwise the animals can drink less easily and less quickly, and they are prone to lapping.
- For calves, we recommend the use of drinkers with constant water level or types that are specially adapted to their morphology (e.g. BABYLAB).
- Location of the drinkers near the service aisle makes maintenance and inspection of their good working order easier.

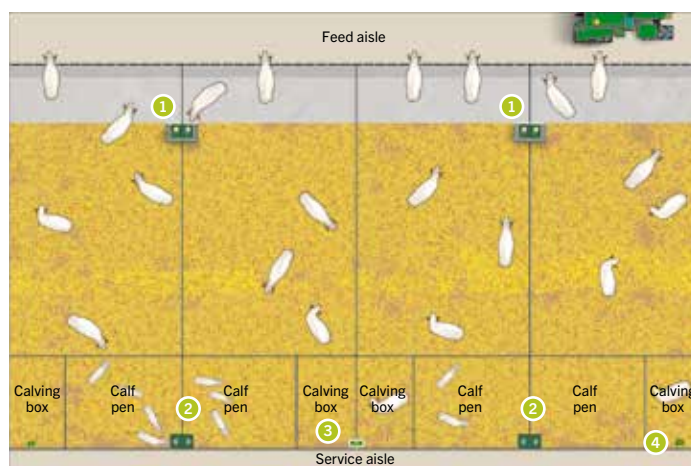
## NURSING COW BUILDING

### STRAW AREA AND SCRAPER

Electric frost-free drinkers



- 1 Frost-free drinker on stand: **BIGCHO 2, BIGSTAL 2 (non-spill), LAKCHO 2 or STALCHO 2**  
Set up like this, the drinkers are well protected and visible from the feeding table. They only take up one place at the feed rack.
- 2 Frost-free drinker on stand with constant level: **BIGCHO 2 or NORMANDY or LAKCHO 2**



## REMEMBER

### DAIRY COWS:



- 1 water access point for 10 lactating cows.
- Large troughs:  
1 water access point = 50 to 60 cm
- Flow rate: 15 litres/min per water access point
- Height to the edge of the drinker: 70 to 85 cm
- Favour drinkers with constant level and high flow rate.

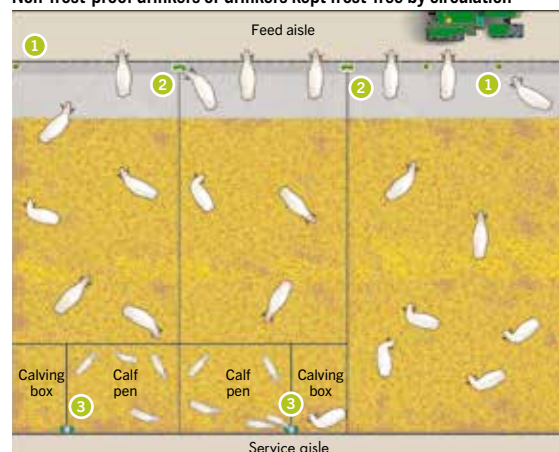
### CATTLE:



- 1 water access point for 15 heads of cattle.
- Flow rate:  
10 litres/min per water access point
- Height to the edge of the drinker: 65 to 75 cm (adults) and 40 to 50 cm (calves).
- Adapt the drinkers to the age of the cattle.

### STRAW AREA AND SCRAPER

Non-frost-proof drinkers or drinkers kept frost-free by circulation



- 1 **F30A or F25 (non-spill)**
- 2 **F60 or F40 (non-spill)**  
Place one drinker between two pens to guarantee access to the water from at least one side in case of crowding of animals or failure of a drinker.
- 3 **LAC 55 (constant level)**

### STRAW AREA AND SCRAPER

Isothermal frost-free drinkers or drinkers kept frost-free by circulation

- 1 **THERMOLAC 75 GV (ball model)**  
NOTE: to protect the litter, you should surround the drinkers with a wall blocking access from the straw area and channel the drained water towards the scraped area.
- 2 **THERMOLAC 75 B (bowl model) for young calves.**
- 3 **Bowl of the F60, F40 or BIGCHO 2, BIGSTAL 2, LAKCHO 2, STALCHO 2 type**  
with or without frost protection (by circulation or electricity) depending on the needs.
- 4 **Individual bowl of the F30, or F11, LAC 5, F130 EL, NORMANDY type**  
with or without frost protection (by circulation or electricity) depending on the needs.



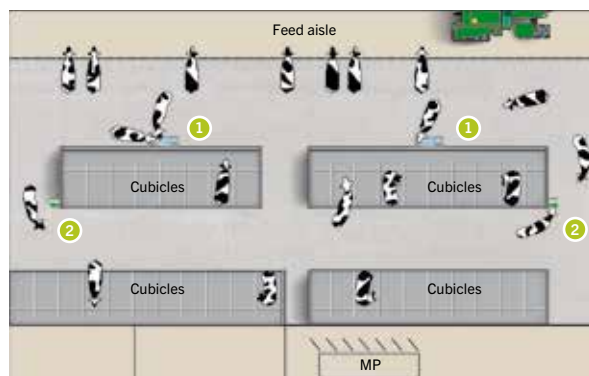
Tips on other building layouts are proposed in our La Buvette News No 24 of June 2014 that can be downloaded from [www.labuvette.com](http://www.labuvette.com).





## DAIRY COWS BUILDING

### 2 ROWS OF BACK-TO-BACK CUBICLES



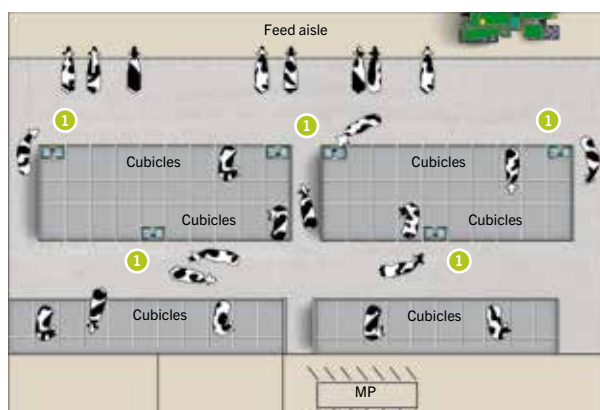
**1 LB150 or GV150**

The installation of drinkers to the wall facing the feeding table keeps the passageway between the cubicles entirely free. NOTE: to allow free passage of the scraper, it is necessary to choose wall-mounted drinkers. However, it is still possible to have drinkers on the floor, such as CLEANO-BAC, ISOBAC or even PREBAC 70 by placing them in a recess in the wall specially provided for this purpose.

**2 POLYSTALL PREMIUM with 90° mounting bracket (A372)**

When installed parallel to the wall, this drinker is suited for rather narrow passageways between cubicles (2,5 to 3,75 m). It allows cows to drink without hindering the free movement of the other cows. This location also has the advantage of limiting the presence of dung in the passageways.

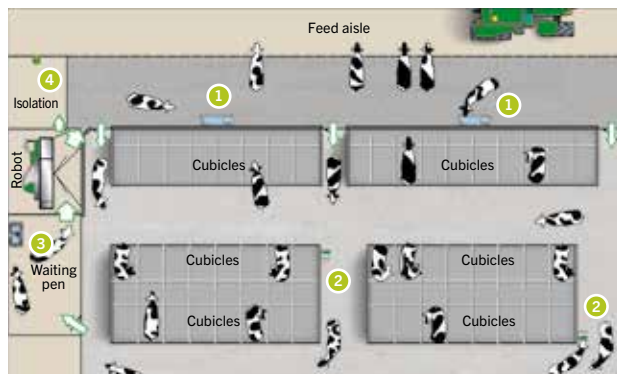
### 3 ROWS OF CUBICLES WITH NARROW PASSAGeways



**1 MICHIGAN DUO or THERMOLAC 75 or PREBAC 70 or ISOBAC or CLEANO-BAC or CALORIX**

When the passageways between the cubicles are too narrow, it is necessary to give up cubicles and to install the drinkers in their place. NOTE: It is necessary to surround the sides of the drinker with a wall to avoid soiling of the adjacent cubicles.

### 3 ROWS OF CUBICLES – MILKING ROBOT – CONTROLLED MOVEMENT



**1 LB150 or GV150**

The installation of drinkers to the wall facing the feeding table keeps the passageway between the cubicles entirely free.

**2 POLYSTALL PREMIUM with 90° mounting bracket (A372)**

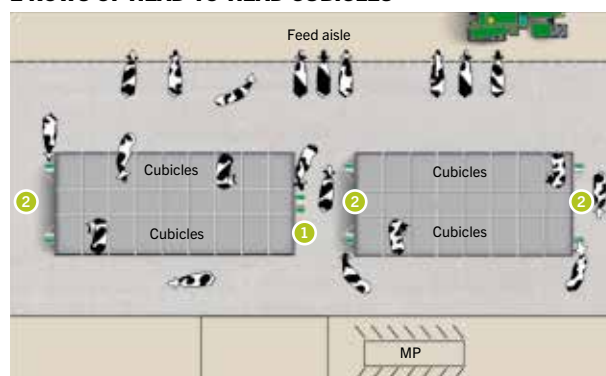
Offering access parallel to the wall, this drinker is suited for narrow passageways between cubicles. NOTE: even when the movement is controlled, it is recommended to install drinking points at the cubicles.

**3 MICHIGAN DUO or another double access drinker**

It is important to install a drinker in the waiting pen as the cows might stay there for several hours.

**4 F30 or other individual drinking bowl**

### 2 ROWS OF HEAD-TO-HEAD CUBICLES



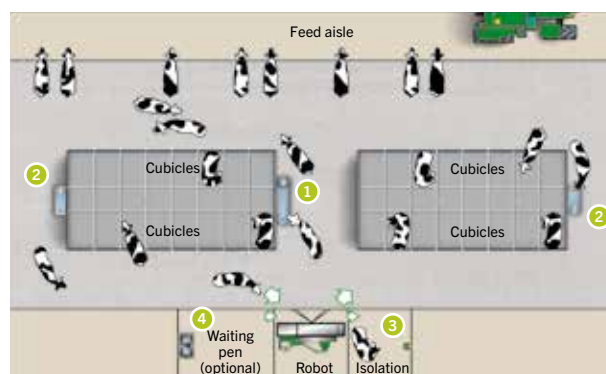
**1 POLYSTALL TWIN PREMIUM (double access) or 2 STALL 3000 with DUO mounting bracket (A327)**

This drinker is suited for rather narrow passageways between cubicles. It allows cows to drink standing parallel to the wall without hindering the free movement of the other cows. Another advantage is that there will be less cow dung in the passageways between the cubicles.

**2 POLYSTALL PREMIUM with 90° mounting bracket (A372)**

When installed parallel to the wall, this drinker is suited for rather narrow passageways between cubicles (2,5 to 3,75 m). It allows cows to drink without hindering the free movement of the other cattle. This location also has the advantage of limiting the presence of dung in the passageways.

### HEAD-TO-HEAD CUBICLES – MILKING ROBOT LOOSE-HOUSING



**1 GV 230 or LB 230 or BAIKAL 230 or MULTI 220**

The passageway must be sufficiently wide (3,75 m) allowing the cows to drink without hindering the free movement of the other cows, especially at the exit of the milking parlour (4,5 m).

**2 GV 150 or ISOBAC or CLEANO-BAC or MICHIGAN**

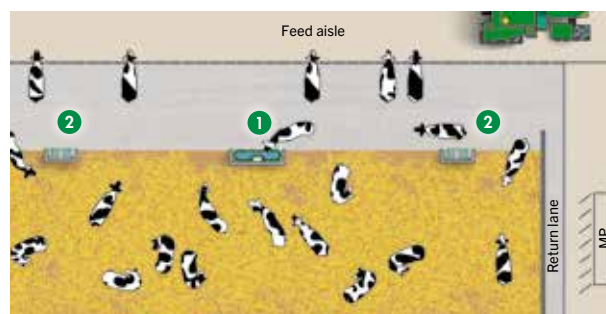
Additional drinkers must be installed at each end of the building as they are less frequently visited than the ones in the centre of the building. Double or triple access drinkers are particularly suitable.

**3 F30 or other individual drinking bowl**

It is important to consider providing the isolation pens with a drinker as the animals might stay there several hours.

**4 MICHIGAN DUO or another double access drinker**

### STRAW AREA AND SCRAPER



**1 MULTI 220 or other large drinkers such as LB 230, GV 230 or BAIKAL 230**

NOTE: to protect the litter, you should surround the drinkers with a wall blocking access from the straw area and channel the drained water towards the scraped area.

**2 ISOBAC or CLEANO-BAC**

These drinkers can be mounted on a tipping frame (A371) for easier maintenance. You can also install double access drinkers: MICHIGAN DUO, THERMOLAC 75, PREBAC 70, CALORIX.

# DRINKING BOWLS WITH CONSTANT WATER LEVEL

## LAC 5

Universal cast iron drinking bowl with constant water level.



6,5 l/mn at 3 bars

- 1 Large capacity: 5 litres
- 2 Stainless steel valve cover
- 3 Drain plug without tool

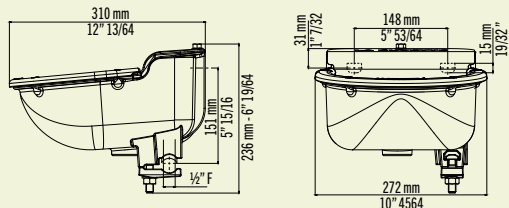


Connection on horizontal  $\frac{3}{4}$ " tube.

Can be connected on vertical  $\frac{1}{2}$ " tube from bottom with accessories (see below)

REF.	DESIGNATION	PACKAGING
1627	Cast iron bowl with Polycoat. Constant water level.	Plastic bag
1622	Same as 1627	Carton apiece

### MOUNTING OF LAC 5 & LAC 5A



## LAC 55

Double cast iron bowl with constant water level.



6,5 l/mn at 3 bars

- 1 Float valve protected by a stainless steel cover.
- 2 Drain plug without tool



Centres: 130 mm (5 1/8).

Connection on horizontal  $\frac{3}{4}$ " tube.

Can be connected on vertical  $\frac{1}{2}$ " tube from bottom with accessories (see on the left)

REF.	DESIGNATION	PACKAGING
1628	Cast iron double bowl with Polycoat. Constant water level.	Plastic bag
1620	Same as 1628	Carton apiece



### DID YOU KNOW ?

The new BABYLAC is ideal for animals with little snouts such as sheep, goats or dogs.

Allows you to install more water points to avoid rivalry among the animals. See page 16.



2015

## LAC 5A

Universal cast iron drinking bowl with constant water level and non-spill edge.



6,5 l/mn at 3 bars

- 1 Metall edge avoids water spillage
- 2 Stainless steel valve cover
- 3 5 litres bowl, same as LAC 5



The non-spill system on F60 and F30A has been a success for more than 15 years. Horizontal  $\frac{3}{4}$ " (tapping) or vertical  $\frac{1}{2}$ " (threaded) fitting and mounting distance identical to LAC 5.

REF.	DESIGNATION	PACKAGING
1615	Cast iron bowl with Polycoat. Constant water level.	Plastic bag

## LAC 10 (SYNTHETIC BOWL)

Synthetic drinking bowl with float valve.

Especially designed for calves, sheep and horses. Not suitable for goats.

Large Capacity: 5.5 litres.

Adjustable water level.

Connection  $\frac{1}{2}$ " (15x21) from bottom.

4 oblong fixing points.



8 l/mn at 3 bars

- 1 New stainless steel valve cover.
- 2 Synthetic material, strong and rigid.
- 3 Drain plug without tool.



REF.	DESIGNATION	PACKAGING
3259	Synthetic bowl with constant water level	6 per carton
3279	Same as 3259	Carton apiece

## + ACCESSORIES



A308



A309



A352



A829

REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 87)
A309	Complete connection set for LAC5/55 or BABYLAC mounted on A308
A352	Metal protection frame in galvanised steel for drinking bowl LAC 5, LAC 5A and LAC 10. Wall or corner mounting.
A829	Brass 55 mm extension $\frac{1}{2}$ " MM for LAC 5, LAC 5A and LAC 55





# DRINKING TROUGHS IN POLYETHYLENE WITH CONSTANT WATER LEVEL



## BIGLAC 25R

Drinker with constant water level for stables of 15-20 animals.

Made of 100% pure high density polyethylene.

R-version features a galvanised protection frame for a longer service life.

Capacity 25 litres.

Dimensions: 54 x 47 x 30 cm (21.3 x 18.5 x 11.8")

High flow-rate float-valve.

Galvanised frame for wall or fence mounting.



- 1 1/2" connection possible on both sides.
- 2 Stainless steel braided hose (included).
- 3 Deep HDPE drinking bowl with broad edge reducing water spills by lapping
- 4 Galvanised protection frame.
- 5 Drain plug without tool.

REF.	DESIGNATION
1659	Waterer on polyethylene with constant level valve for standard pressure with galvanised protection frame

## BIGLAC 25

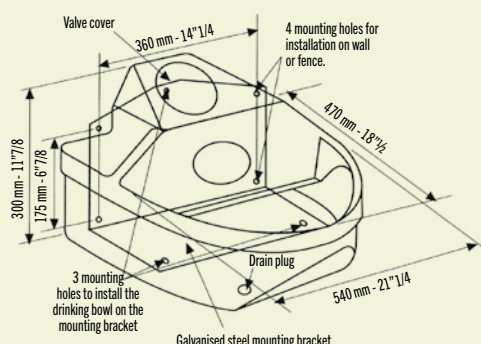
Identical to the BIGLAC 25R, but **without protection frame**.



Dimensions:  
54 x 47 x 30 cm (21.3 x 18.5 x 11.8")

REF.	DESIGNATION
1658	Waterer on polyethylene with constant level valve for standard pressure

### MOUNTING OF BIGLAC 25



## BIGLAC 55M

Double access deep waterer in H.D.P.E. with constant level valve.

With broad edge reducing water spills by lapping.

For 30 heads of big cattle.

Capacity 55 litres.

Dimensions:  
86 x 38 x 30 cm  
(33.9 x 15 x 11.8")



- 1 Two drain plugs without tool.

Connection 1/2" (15x21) from top or bottom.

Galvanised frame for wall or fence mounting.

REF.	DESIGNATION
1652	Double waterer on polyethylene with constant level valve for standard pressure

## BIGLAC 90

Multiple access deep waterer in H.D.P.E. with constant level valve.

With broad edge reducing water spills by lapping.

Suitable for 40 heads of big cattle.

Capacity 90 litres



Dimensions:  
160 x 40 x 27 cm  
(63 x 15.8 x 10.6")



- 1 Rectangular quick and efficient drain plug (VIDE-VITE).

Connection 1/2" (15x21) from top or bottom.

Galvanised frame for wall or fence mounting.

REF.	DESIGNATION
1655	Large double waterer on polyethylene with constant level valve for standard pressure and quick draining

## + ACCESSORIES



A317



A318



A355

REF.	DESIGNATION
A614	Low pressure valve (blue) for water supply by gravity (<1 bar or 14.5 psi).
A317	Mounting set for BIGLAC 55 on tubes or fences
A318	Mounting set for BIGLAC 25 and BIGLAC 25R on tubes or fences
A355	Protection frame for BIGLAC 55

# SYNTHETIC DRINKING BOWLS WITH PADDLE OR TUBE VALVE

## FORSTAL

**Large shock resistant synthetic bowl.**

Perfect for cattle or horses.  
4 fixing points.

Connection  $\frac{3}{4}$ " (20x27)  
from top or bottom.



**12 l/mn at 3 bars**

- 1 Same brass  $\frac{3}{4}$ " valve as F11 model.
- 2 Wide paddle, easy to push.



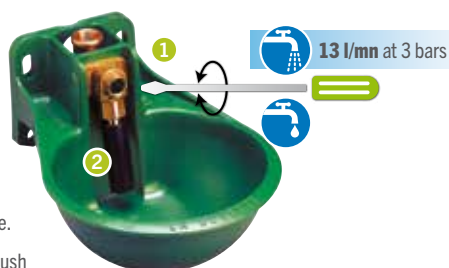
REF.	DESIGNATION	PACKAGING
3021	Synthetic drinking bowl with horizontal paddle - Brass $\frac{3}{4}$ " valve	10 per carton
3023	Same as 3021	Carton apiece

The synthetic bowl is made of sturdy material that has been tried and tested for over 15 years.



- 1 Vertical paddle for easier maintenance

REF.	DESIGNATION	PACKAGING
3022	Synthetic drinking bowl with vertical paddle - Brass $\frac{3}{4}$ " valve	10 per carton
3024	Same as 3022	Carton apiece
3025	Synthetic drinking bowl with vertical paddle - Brass $\frac{3}{4}$ " valve with T connection for a water circuit	10 per carton
3026	Same as 3025	Carton apiece



- 1 Adjustable flow rate.
- 2 Tube very easy to push

REF.	DESIGNATION	PACKAGING
3027	Synthetic drinking bowl with tube - Brass $\frac{3}{4}$ " valve	10 per carton
3029	Same as 3027	Carton apiece
3028	Synthetic drinking bowl with tube - Brass $\frac{3}{4}$ " valve - with T-fitting for connection to a water circuit	10 per carton
3030	Same as 3028	Carton apiece



### DID YOU KNOW ?

In areas where freezing is likely, install the geothermal probe or heating wire (p.22) or connect your drinking bowls to a circulation system with a SPEED-FLOW pump and if needed one or more THERMOFLOWS (p. 20-21).

## + ACCESSORIES



A359



A352

REF.	DESIGNATION
A359	Connection set for water circuit: 2 stainless steel $\frac{3}{4}$ " tubes + rotary union
A352	Metal protection frame in galvanised steel for drinking bowl

## + GEOTHERMAL PROBE

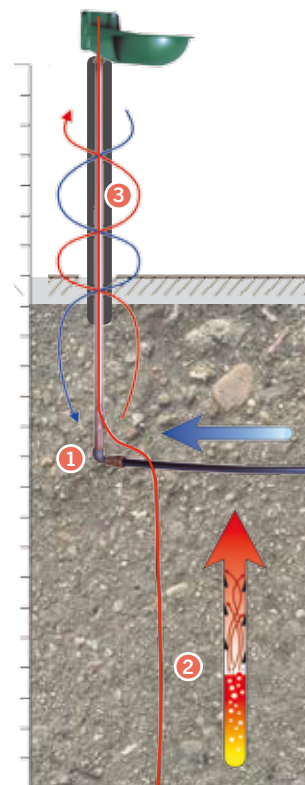
**Anti-frost protection without electricity for FORSTAL with paddle.**

Copper water supply tube equipped with geothermal probe to keep the valve of the waterer frost-free.

**Efficient down to -15 °C (5°F) without electricity.**

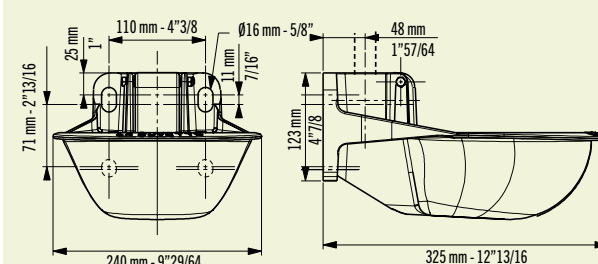
The geothermal probe contains a heat transfer gas. The probe is inserted into a copper tube and transfers the heat from the soil to the drinking bowl fittings to keep them frost-free.

- 1  $\frac{3}{4}$ " connection to the water supply line at a frost-free depth (-40 cm to -80 cm).
- 2 The probe transfers the geothermal heat from deep into the earth to the drinker.
- 3 Insulating jacket (supplied separately).



REF.	DESIGNATION
A590	Geothermal probe to keep frost-free a Forstal with paddle. Connection $\frac{3}{4}$ "

### MOUNTING OF FORSTAL





# CAST IRON DRINKING BOWLS WITH PADDLE VALVE

## S4

Ageless cast iron bowl with vertical or horizontal paddle.

 15 l/mn at 3 bars

- ① Vertical paddle for easier maintenance

Connection without thread to horizontal 3/4" tube (20x27).



REF.	DESIGNATION	PACKAGING
1221	Cast iron with Polycoat and vertical paddle	Plastic bag
1222	Same as 1221	Carton apiece

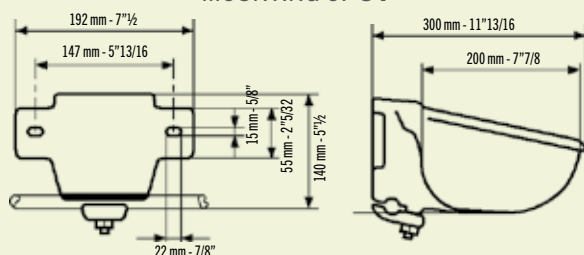
 15 l/mn at 3 bars

- ① Horizontal paddle for easier learning



REF.	DESIGNATION	PACKAGING
1227	Cast iron with Polycoat and horizontal paddle	Plastic bag
1228	Same as 1227	Carton apiece

### MOUNTING OF S4



Includes jet for normal pressure (2-3 bar / 28-42 psi).  
Jets for higher or lower pressures are also available from our Spare Parts Catalogue.



### DID YOU KNOW ?

The brass valve of the F11 can easily be removed from the front. It is equipped with a red jet for pressures up to 4 bars (13 l/min).

For supply by gravity, choose the spare part with ref. 1090715.

Find our complete spare parts catalogue on [www.labuvette.com](http://www.labuvette.com)



## F11

Cast iron bowl with brass 3/4" valve. Reliability tried and tested for over 20 years.

 12 l/mn at 3 bars

- ① Horizontal, synthetic or stainless steel paddle.

4 fixing points.

Connection 3/4" (20x27).



REF.	DESIGNATION	PACKAGING
3001	Cast iron with Polycoat - Synthetic horizontal paddle - Brass 3/4" valve	Plastic bag
3005	Same as 3001	Carton apiece
3003	Cast iron with Polycoat - Stainless steel horizontal paddle - Brass 3/4" valve	Plastic bag
3007	Same as 3003	Carton apiece

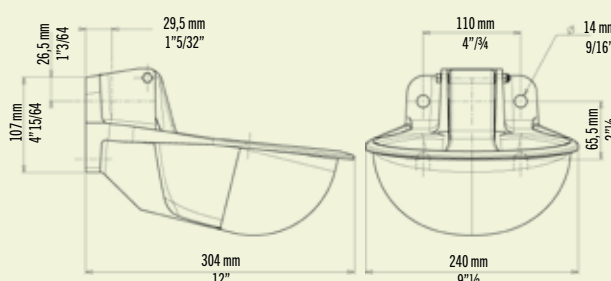
 12 l/mn at 3 bars

- ① Synthetic vertical paddle.  
② Also available with T fitting.



REF.	DESIGNATION	PACKAGING
3002	Cast iron with Polycoat - Vertical paddle - Brass 3/4" valve	Plastic bag
3006	Same as 3002	Carton apiece
3008	Cast iron with Polycoat - Vertical paddle - Brass 3/4" valve with T-fitting	Plastic bag
3009	Same as 3008	Carton apiece

### MOUNTING OF F11



## + ACCESSORIES

brackets for mounting F11 on vertical or horizontal tube.



REF.	DESIGNATION
A315	Set of 2 galvanised steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanised steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")

# CAST IRON DRINKING BOWLS WITH MULTIPLE CONNECTION POINTS

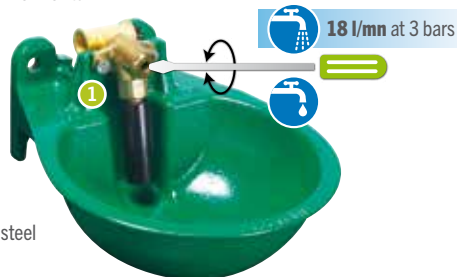
PATENTS EP0934696; US6101976; CA2261366

## F30

**Cast iron drinking bowl, deep and wide, suited for all types of snouts.**

An effort of 600 g (1,32 lbs) at 3 bar (42 psi) on the tube valve is enough to activate the valve.

Can be mounted to a horizontal or vertical tube with optionnal brackets A315 or A316.



- 1 Brass or stainless steel valve.

King-sized bowl: L. 319 x W. 260 x H. 178 mm.  
Connection 3/4" (20x27).

REF.	DESIGNATION	PACKAGING
3051	Cast iron with Polycoat - Brass 3/4" valve with T fitting	Plastic bag
3053	Same as 3051	Carton apiece
3296	Cast iron with Polycoat - Stainless steel 3/4" valve with T	Plastic bag

## F30 A

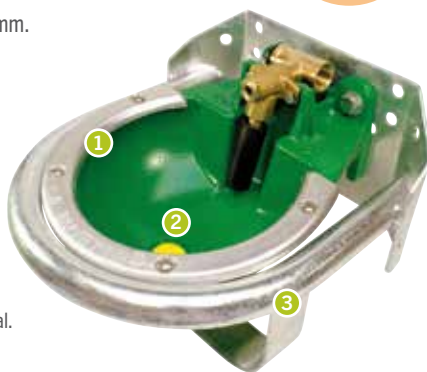
**Same bowl as F30 with non-spill system tested and approved since 2001.**

Limits water spilling and dirty litter.

King-sized bowl:  
L. 319 x W. 260 x H. 178 mm.  
Connection 3/4" (20x27)..

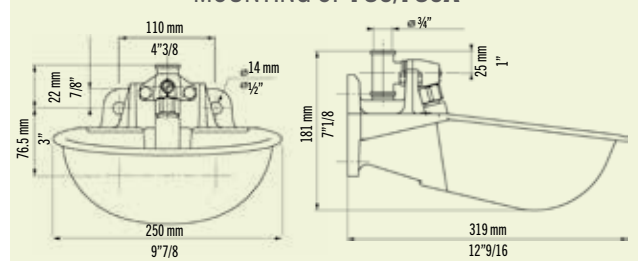


- 1 Metal non-spilling edge.  
2 Drain plug without tool.  
3 Protection frame optional. (A352)



REF.	DESIGNATION	PACKAGING
3071	Cast iron with Polycoat - Non-spill edge - Brass 3/4" valve + T fitting	Plastic bag
3297	Cast iron with Polycoat - Non-spill edge - Stainless steel 3/4" valve + T fitting	Plastic bag

### MOUNTING OF F30/F30A



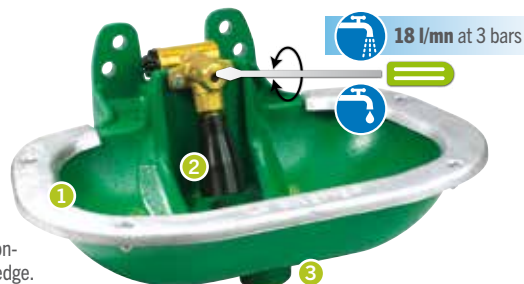
## F60

**Oversized cast iron bowl with non-spill metal edge.**

6 fixing points.

Oversized bowl: L. 431 x W. 327 x H. 202 mm.

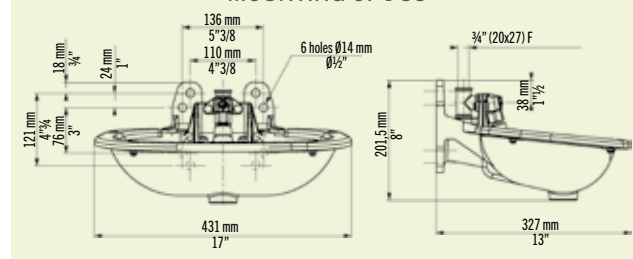
Connection 3/4" (20x27).



- 1 Metal non-spilling edge.  
2 Jet breaker in the push tube.  
3 Drain plug without tool.

REF.	DESIGNATION	PACKAGING
3060	Cast iron with Polycoat - Non-spill edge - Brass 3/4" valve with T	Plastic bag
3214	Cast iron with Polycoat - Non-spill edge - Stainless steel 3/4" valve with T	Plastic bag

### MOUNTING OF F60



## + ACCESSORIES



REF.	DESIGNATION
A315	Set of 2 galvanised steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanised steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")
A331	Mounting bracket for waterers on pole Ø 102 mm (4") and «Trèfle»
A337	Mounting bracket for waterers on pole Ø 140 mm (5 1/2") and «Trèfle»
A341	Valve protection for F60
A342	Valve protection for F30 / F30 A
A352	Metal protection frame in galvanised steel for drinking bowl F30, F30A
A353	Metal protection frame in galvanised steel for drinking bowl F60
A367	Connection set for water circuit: 2 stainless steel tubes 3/4" male
A373	Connection set for water circuit - for small spaces: 2 st.st. tubes 3/4" M





# NON-SPILL HDPE DRINKING BOWLS WITH MULTIPLE CONNECTION POINTS

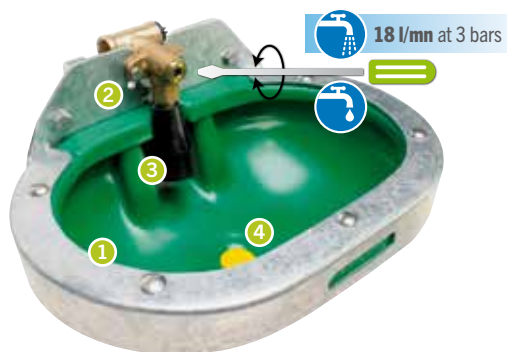
PATENTS EP0934696; US6101976; CA2261366

## F40

Large non-spill rotomoulded HDPE bowl with all-around galvanised protection edge.

HDPE bowl dimensions: L. 404 x W. 262 x H. 120 mm.

Connection 3/4" (20x27 mm).



1 Hot-dipped galvanised all-around protection edge: stronger and avoids nibbling.

2 Brass or stainless steel valve.

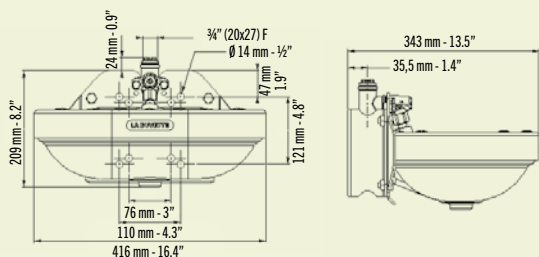
3 Jet breaker in the push tube.

4 Drain plug without tool.

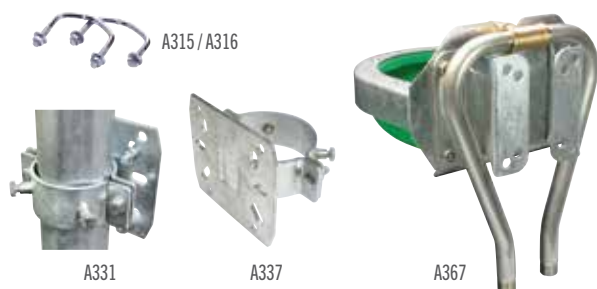


REF.	DESIGNATION
3065	HDPE drinking bowl with galvanised protection frame - Brass 3/4" valve with T connection
3066	HDPE drinking bowl with galvanised protection frame - S.S. 3/4" valve with T connection

### MOUNTING OF F40



## + ACCESSORIES



REF.	DESIGNATION
A315	Set of 2 galvanised steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanised steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")
A331	Mounting bracket for waterers on pole Ø 102 mm (4") and «Trèfle»
A337	Mounting bracket for waterers on pole Ø 140 mm (5 1/2") and «Trèfle»
A367	Connection set for water circuit: 2 stainless steel tubes 3/4" male



## F25

Non-spill rotomoulded HDPE bowl with all-around galvanised protection edge

HDPE bowl dimensions: L. 295 x W. 262 x H. 120 mm.

Connection 3/4" (20x27 mm).



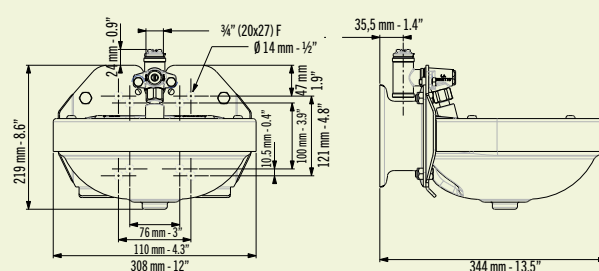
1 Hot-dipped galvanised all-around protection edge: stronger and avoids nibbling.

2 Brass or stainless steel valve.

3 Drain plug without tool.

REF.	DESIGNATION
3063	HDPE drinking bowl with galvanised protection frame - Brass 3/4" valve with T connection
3064	HDPE drinking bowl with galvanised protection frame - S.S. 3/4" valve with T connection

### MOUNTING OF F25



### OUR ADVICE

In regions where freezing is likely, connect your drinkers to a circulation system with a SPEED-FLOW pump and one or two extra THERMOFLOWS if necessary (see pages 20-21).



# STAINLESS STEEL DRINKING BOWLS WITH CONNECTION FROM THE TOP



## B19

**Stainless steel drinking bowl**  
perfect for beef calves.

Stainless steel valve.  
Shuts off the water supply automatically if the valve is removed.  
1/2" (15x21) male connection.



7,2 l/mn at 3 bars

Installation height: 60 - 70 cm  
See accessories on page 86.



REF. DESIGNATION

1458 Stainless steel drinking bowl with stainless steel 1/2" Male valve



## F110 INOX

**Seamless stainless steel drinker,**  
**sturdy and durable**

Bowl with rounded edge to avoid water spilling.

Stainless steel valve with high flow rate resist to the most acidic water.

Connection 3/4" from the top.

4 oblong mounting holes.



18 l/mn at 3 bars

1

Smooth push tube valve, easy to activate

2

Large bowl inclined slightly forward for more comfort.



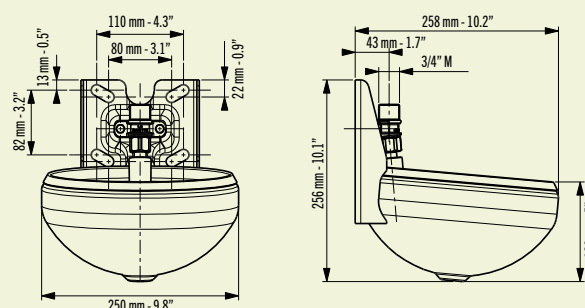
Not compatible with A352 protection frame.



REF. DESIGNATION

3209 Stainless steel drinking bowl - Stainless steel 3/4" valve

### MOUNTING OF F110 INOX



## + ACCESSORIES



A361



A334



A331 / A337

REF. DESIGNATION

A361 Corner plate

A331 Mounting bracket for waterers on pole Ø 102 mm (4") and «Trèfle»

A334 Mounting bracket for waterers on pole Ø 50 to 75 mm

A337 Mounting bracket for waterers on pole Ø 140 mm (5 1/2") and «Trèfle»



### OUR ADVICE

If the water is acidic, choose the stainless steel F110 INOX.  
The stainless steel valve ensures a longer service life.



# STAINLESS STEEL DRINKING BOWL WITH MULTIPLE CONNECTION POINTS

PATENT EP0934696; US6101976; CA2261366

## F130 INOX

Seamless stainless steel drinker, sturdy and durable

Bowl with rounded edge to avoid water spilling.

Stainless steel valve with adjustable and high flow rate.  
Resist to the most acidic water.

Connection 3/4" with T-fitting for multiple possibilities.

4 oblong mounting holes.



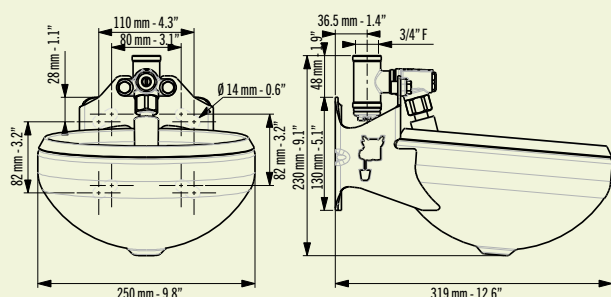
Top view

- 1 Smooth push tube valve, easy to activate
- 2 Large bowl inclined slightly forward for more comfort.
- 3 Stainless steel mounting plate designed to prevent dirt deposits.

### REF. DESIGNATION

3217 Stainless steel drinking bowl - Stainless steel 3/4" valve with T-fitting

### MOUNTING OF F130 INOX



### DID YOU KNOW ?

An all stainless steel waterer is recommended in case of acid water. A stainless steel valve provides the best guarantee for a long service life.



## + ACCESSORIES



A315 / A316



A331 / A337



A352



A367



### REF. DESIGNATION

A315	Set of 2 galvanised steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanised steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")
A331	Mounting bracket for waterers on pole Ø 102 mm (4") and «Trèfle»
A337	Mounting bracket for waterers on pole Ø 140 mm (5 1/2") and «Trèfle»
A352	Metal protection frame in galvanised steel for drinking bowl F130 INOX
A367	Connection set for water circuit: 2 stainless steel tubes 3/4" male



### OUR ADVICE

If the water is acidic and you want to connect your drinking bowls in a circulation system, we recommend the F130 INOX.

In regions where freezing is likely, connect your drinkers to a circulation system with a SPEED-FLOW pump and one or two extra THERMOFLOWS if necessary (see pages 20-21).



# CAST IRON BOWLS FOR LITTLE SNOUTS

## BABYLAB™ T

PATENT EP0934696; US6101976; CA2261366

**Educational cast iron bowl designed for the «little snouts»** (sheep, goats, young animals...).

A small amount of remaining water below the valve stimulates the animals to push the tube.

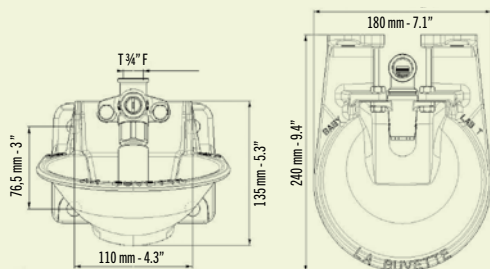
**A pressure of 300 g on the push tube is enough to open the valve.**



- 1 Connection to loop possible with T 3/4" (20 x 27 mm)
- 2 4 fixing points

REF.	DESIGNATION	PACKAGING
2019	Cast iron with Polycoat - Brass 3/4" valve with T	Plastic bag

### MOUNTING OF BABYLAB™ T



## BABYLAB™

**Educational cast iron bowl designed for the «little snouts»** (sheep, goats, young animals...).

A small amount of remaining water below the valve stimulates the animals to push the tube.

**A pressure of 300 g on the push tube is enough to open the valve.**

Connection 1/2" (15x21) above.



- 1 Very easy to push.
- 2 Small water reserve for educational purposes

REF.	DESIGNATION	PACKAGING
2014	Cast iron with Polycoat - Brass 1/2" valve	2 per carton
2012	Enamelled cast iron - Brass 1/2" valve	2 per carton

## BABYLAC

NEW

**Small cast-iron bowl with constant level, ideal for 10 to 15 goats or sheep from a very early age on.**

As it is impossible to nibble on it, BABYLAC is also very convenient for dogs.



- 1 Very sturdy bowl of grey cast iron
- 2 Stainless steel valve cover
- 3 Drain system without tools
- 4 1/2" M water supply from the right or the left.

Dimensions:

L. 26 x W. 25 x H. 17 cm

10.2" x 9.8" x 6.7"

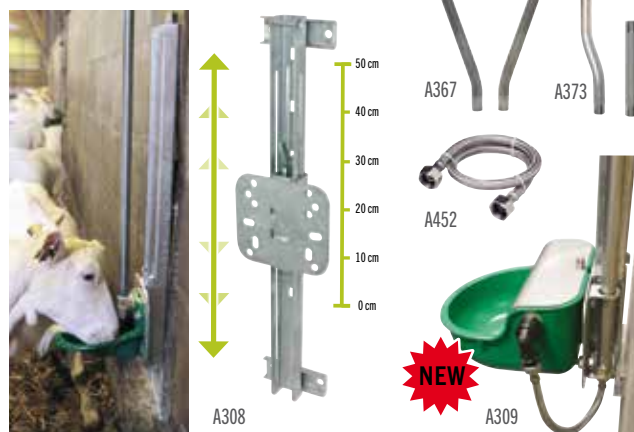
Capacity: 2,5 litres.

Centres: 110 mm - Ø14 mm.

REF.	DESIGNATION	PACKAGING
2015	Cast iron with Polycoat drinking bowl with float valve	Plastic bag

## + ACCESSORIES

**Height-adjustable mounting of waterer without tools.**



REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 87)
A309	Complete connection set for LAC5/55 or BABYLAC mounted on A308
A315	Set of 2 galvanised steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanised steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")
A331	Mounting bracket for waterers on pole Ø 102 mm (4") and «Trêfle»
A361	Corner plate for BABYLAB™ T and BABYLAC
A362	Corner plate for BABYLAB™
A367	Connection set for water circuit: 2 stainless steel tubes 3/4" male
A373	Connection set for water circuit - for small spaces: 2 st.st. tubes 3/4" M
A452	Braided hose 600 mm (23.6"), with 2 swivels 15 x 21 (1/2") + M-M fitting





# LARGE TROUGH FOR MILK PRE-COOLER EXIT



## DAIRY-BAC 400

Large polyethylene trough to offer the lukewarm water from the milk pre-cooler to the cows immediately after milking.

Galvanised steel frame for wall mounting.

Capacity: 400 litres.

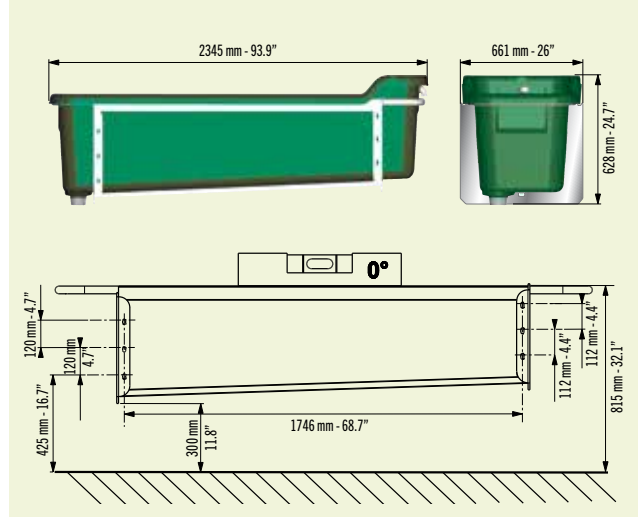


- 1 Trough of 400 litres in HDPE, a material that keeps the water lukewarm for longer.
- 2 Reversible one-piece frame. Water supply possible from the left or the right.
- 3 Drain / overflow Ø100 mm.
- 4 Stainless steel 3/4" elbow fitting for continuous water supply from the pre-cooler. Connection to the water mains possible with optional A624 set.
- 5 Several DAIRY-BAC 400 can be connected using the A419 set.

Dimensions: 240 x 66 x 63 cm

REF.	DESIGNATION
2499	400 l. polyethylene trough for milk pre-cooler exit - Galvanised frame

### INSTALLATION: DAIRY-BAC 400



### DID YOU KNOW ?

- Dairy cows prefer to drink heated water. Giving them lukewarm water helps limit a decrease in milk production, especially in the wintertime.
- The polyethylene reduces the heat exchange with the environment. This allows the trough of the DAIRY-BAC 400 to maintain the temperature of the water much longer as compared to a metal trough



## + ACCESSORIES

The A624 valve takes the water from the mains as soon as the lukewarm water from the pre-cooler is finished.

There will always be water available in the DAIRY-BAC 400.



32 l/mn at 3 bars

- 1 Stainless steel cover and protection.
- 2 Adjustable water level (140/220/280 litres)



A624

A419

Two DAIRY-BAC 400 troughs can be easily paired using the A419 set to achieve a total capacity of 800 litres.

REF.	DESIGNATION
A624	Valve sets from 1,5 to 3,5 bars for DAIRY-BAC 400
A419	Pairing set voor DAIRY-BAC 400



### USER'S OPINION

#### 7 to 8 cows drink the heated water at a time

M. FAILLIOT, BREEDER OF DAIRY COWS IN BOUY (51 - FRANCE).



*I was looking for a large capacity drinking trough to collect the heated water from my pre-cooler. I connected two DAIRYBAC 400 troughs to the specially designed connection set, as I have to milk 80 cows alternatively in a 2x10 milking parlour. As soon as the first group of cows has been milked, the troughs are filled and 7 to 8 cows drink the heated water at a time, right at the milking parlour exit.*



# ADVICE FROM LA BUVETTE® ON FROST-FREE SOLUTIONS

Good control of the water temperature is important. It should not be allowed to freeze, nor to become too cold, since the animals in general rather prefer warm water to cold water. In winter, the distribution of warm water can even result in a higher production and in summer, cooled water (10-15 °C / 50-59 °F) helps improve the ingestion and thus the production.



## REMEMBER





### FOR DRINKERS KEPT FROST-FREE BY ELECTRIC HEATING ELEMENTS:

- Control your power consumption by using a remote thermostat (A532, p. 24).
- Adapt the number and capacity of the 230/24V transformers to your drinkers (p. 24).
- Remember to adapt the cross-section of the power cable to the capacity and length of your installation (see chart on p. 24 and in the mounting instructions).
- The installation of a fuse on the auxiliary power line of the transformer is mandatory.
- A differential circuit breaker of 30 mA must be installed to secure your installation.





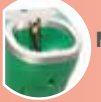










## PROTECTION OF NEW OR EXISTING WATER LINES AND VALVES

		PRINCIPLE	POWER CONSUMPTION	VOLTAGE	POWER	TYPE OF USE	EFFICIENCY
20	 <b>SPEED-FLOW</b>	High-power pump for circulation system with high flow rate for line of waterers up to 125 m to and 125 m back.	Average	230 V	550 W (continuously, or set in option)	For underground water supply to the entire line of waterers.	Down to -15 °C (5 °F).
21	 <b>THERMOFLOW</b>	Extra 1500 W programmable and autonomous heater for water lines that are already equipped with a circulation pump (SPEED-FLOW or other).	Variable	230 V	1500 W (set)	For all types of underground or surface lines. Installation of several THERMOFLOWS in series possible.	Down to -30 °C (-22 °F).
22	 <b>Self-regulating heating strip</b>	The heating intensity is adjusted in each point of the line according to the temperature.	Economical consumption	230 V	Variable according to the temperature up to 10 W/m (set)	For surface water lines in existing installations (cut at the desired length from 0 to 200 m)	Down to -35 °C (-31 °F).
23	 <b>Ready to connect heating cable</b>	With built-in thermostat activated at 6 °C	Economical purchase	230 V	Permanent 16 W heating power activated at 6 °C (continuously)	To protect surface lines in existing installations (pre-cut to lengths of 2 to 48 m).	Down to -45 °C (-49 °F).

## DRINKERS WITH ELECTRICAL HEATING *Automatic start and stop possible with the optional A532 thermostat.*

		PRINCIPLE	LIVESTOCK	VOLTAGE	POWER	TYPE OF USE	EFFICIENCY
24	 <b>LAKCHO 2 STALCHO 2</b>	Single access polyethylene drinkers with constant level or paddle to be mounted on a stand. Equipped with an electrical heating element under the bowl.	LAKCHO 2: cattle, sheep, goats and horses STALCHO 2: Cattle and horses	24 V	50 W, 80 W or 180 W depending on type (continuously)	For underground water supply lines.	Down to -20 °C (-4 °F).
25	 <b>BIGCHO 2 BIGSTAL 2</b>	Single access stainless steel drinkers with constant level or paddle to be mounted on a stand. Feature an electrical heating element under the bowl.	BIGCHO II: All BIGSTAL II: Cattle and horses	24 V	50 W or 80 W (continuously)	For underground water supply lines.	Down to -20 °C (-4 °F).
25	 <b>F130 EL</b>	Single access drinker with heating element surrounding the bowl and valve.	Cattle and horses	24 V	30 W or 80 W (continuously)	For all installations.	Down to -20 °C
26	 <b>STALL 3000 EL CALORIX</b>	Drinkers with water reserve and bowl(s) with paddle, single or double access, equipped with electrical heating element in the reserve.	Cattle	24 V 230 V 400 V	150 W or 3000 W depending on type (continuously)	For all installations.	Down to -20 °C (-4 °F).
27	 <b>NORMANDY</b>	Single access polyethylene wall-mounted drinkers with constant level or paddle, equipped with heating element under the bowl (optional).	Cattle, horses and sheep	24 V	80W (continuously)	For underground or overhead water supply lines.	Down to -20 °C (-4 °F).
28	 <b>POLYSTALL</b>	Drinkers with constant water level, single or double access, with one or two electrical heating elements under the trough (optional)	Cattle	24 V	80 W or 160 W depending on type (continuously)	For all installations.	Down to -20 °C (-4 °F).
30	 <b>LB &amp; GV</b>	Large stainless steel drinkers for wall-mounting or installation on feet, with constant water level and electrical heating element under the trough and/or in the valve (optional).	Cattle	24 V	20 W or 350 W or 370 W depending on anti-freeze options (continuously)	For underground or lower wall mounted water supply lines.	Down to -20 °C (-4 °F).
34	 <b>MICHIGAN DUO BAÏKAL 230</b>	Large stainless steel drinkers with double-walled polyethylene base, constant water level and electrical heating element under the trough and/or in the valve (optional)	Cattle	24 V	20 W or 350 W or 370 W depending on anti-freeze options (continuously)	For underground water supply lines.	Down to -20 °C (-4 °F).
36	 <b>ISOBAC MULTI 220 EL MULTI-TWIN EL</b>	Polyethylene double-walled constant level drinkers for more than one animal with heating element under the trough.	Cattle	24 V	from 100 W to 400 W depending on type (continuously)	For underground water supply lines.	Down to -20 °C (-4 °F).

## FROST-FREE SOLUTIONS WITHOUT ELECTRICITY

		PRINCIPLE	LIVESTOCK	TYPE OF USE	EFFICIENCY
10	 <b>Geothermal probe</b>	The probe holding a heat transfer gas transfers the heat of the earth to the valve of the drinker. The drinker must be synthetic and with paddle (FORSTAL).	Cattle and horses	Underground water supply lines, FORSTAL drinker with paddle.	Down to -15 °C (5 °F).
40	 <b>THERMOLAC</b>	While the animals are drinking, the drinker is filled with fresh water and the double polyurethane wall filled with polyurethane foam keeps it at a constant temperature.	GV types (with balls): Cattle and horses B types (with bowls): Sheep and goats	Underground water supply lines	Down to -30 °C (-22 °F).

See detailed descriptions on the following pages.



# FROST-FREE CIRCULATION PUMP

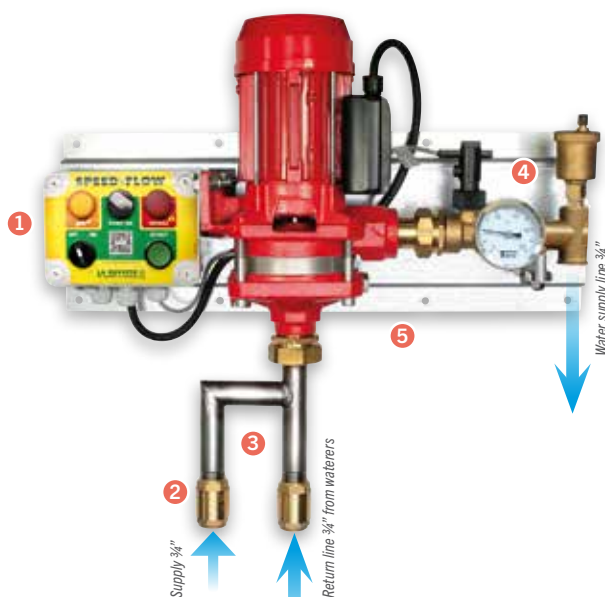
## SPEED-FLOW

**Powerful pump (230 V / 550 W)** that keeps a drinking bowl circuit frost-free by circulating the water at high speed.

**Designed for a circuit of waterers up to 125 m to and 125 m back with underground lines.**

Simple and secure use.

A visual and audible alarm can be added and the operation of the SPEED-FLOW can be made fully automatic (cfr. Accessories).



- 1 Watertight, easy to use control unit
- 2 Supply from the water mains ( $\geq 2$  bars). A446 filter obligatory, to order separately.
- 3 Stainless steel water lines with  $\frac{3}{4}$ " non-return valves
- 4 Safety features: Flow switch, temperature gauge and automatic bleed valve
- 5 Complete assembly comes on galvanised frame.

REF.	DESIGNATION	PACKAGING
1669	Frost-free powerful pump with high flow rate - 230 V / 550 W	Carton apiece



## OUR ADVICE

To ensure optimum efficiency without wasting energy, you have to use  $\varnothing 25$  mm PE pipes ( $\frac{3}{4}$ " ) and bury them in the ground as much as possible to absorb the heat from the soil. Insulate the lines above ground with a 13 mm foam jacket and protect them against the animals with the galvanised protection frame A358. If there is a risk of heavy frost, add one or more THERMOFLOWS to your installation. They will only switch on when necessary.

Install the SPEED-FLOW in a frost-free room or use heating wire (see page 22) to protect the water supply against frost.

## + ACCESSORIES

**A557 automation set:** Automatic start-up of SPEED-FLOW as soon as the temperature drops to  $3^{\circ}\text{C}$  (Auto-OFF at  $10^{\circ}\text{C}$ ).

**A558 alarm set:** Visual and audible alarm when SPEED-FLOW stops.

### MANDATORY:

Filter 100 $\mu$

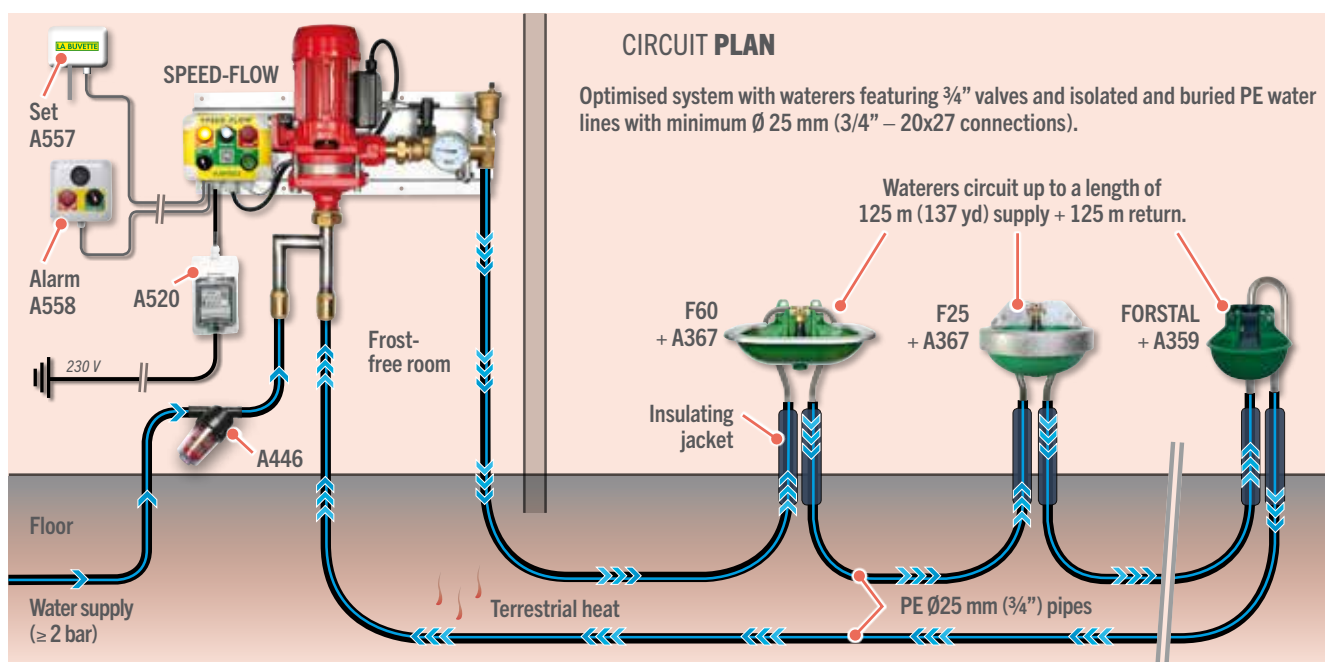
**Differential circuit breaker**  
30mA / 230V

A446

A520

A556

REF.	DESIGNATION
A556	Additional 230 V / 550 W pump, Connection $\frac{3}{4}$ " (20 x 27), automatic bleed valve included
A557	Automation set for SPEED-FLOW manufactured after 12/2014
A558	Alarm set for SPEED-FLOW manufactured after 12/2014
A446	Visi-Filter VF6, 100 microns - 6m <sup>3</sup> /h - mandatory
A552	Additional automatic bleed valve to be installed at each high point of the installation
A520	Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet



### CIRCUIT PLAN

Optimised system with waterers featuring  $\frac{3}{4}$ " valves and isolated and buried PE water lines with minimum  $\varnothing 25$  mm ( $\frac{3}{4}$ " - 20x27 connections).

Waterers circuit up to a length of 125 m (137 yd) supply + 125 m return.

F60 + A367

F25 + A367

FORSTAL + A359

Insulating jacket

Frost-free room

Floor

Water supply  
( $\geq 2$  bar)

Terrestrial heat

PE  $\varnothing 25$  mm ( $\frac{3}{4}$ " ) pipes

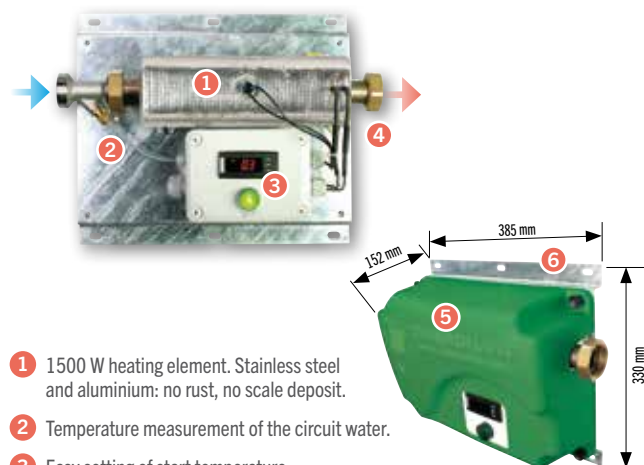


# AUTONOMOUS HEATER

## THERMOFLOW

**Additional programmable 1500 W heater** for SPEED-FLOW or another circulation system.

**Automatic on/off function** depending on the programmed water temperature for consumption management.



- 1 1500 W heating element. Stainless steel and aluminium: no rust, no scale deposit.
- 2 Temperature measurement of the circuit water.
- 3 Easy setting of start temperature. Operation indicator light.
- 4 1"½ male and female fittings with swivel nuts.
- 5 HDPE cover.
- 6 Compact device comes fully installed on its galvanised frame. Installation made easier by means of 6 slotted mounting holes.

THERMOFLOW is suitable for circuits with surface lines.

**Installation of several THERMOFLOWS in series possible** for extreme conditions (see OUR ADVICE).  
Independent 230 V power supply.

REF.	DESIGNATION	PACKAGING
A301	Additional programmable 1500 W heater 230 V singlephase - Connection 1"½ Mandatory 30 mA differential breaker, separately available (see below)	Carton apiece



### OUR ADVICE

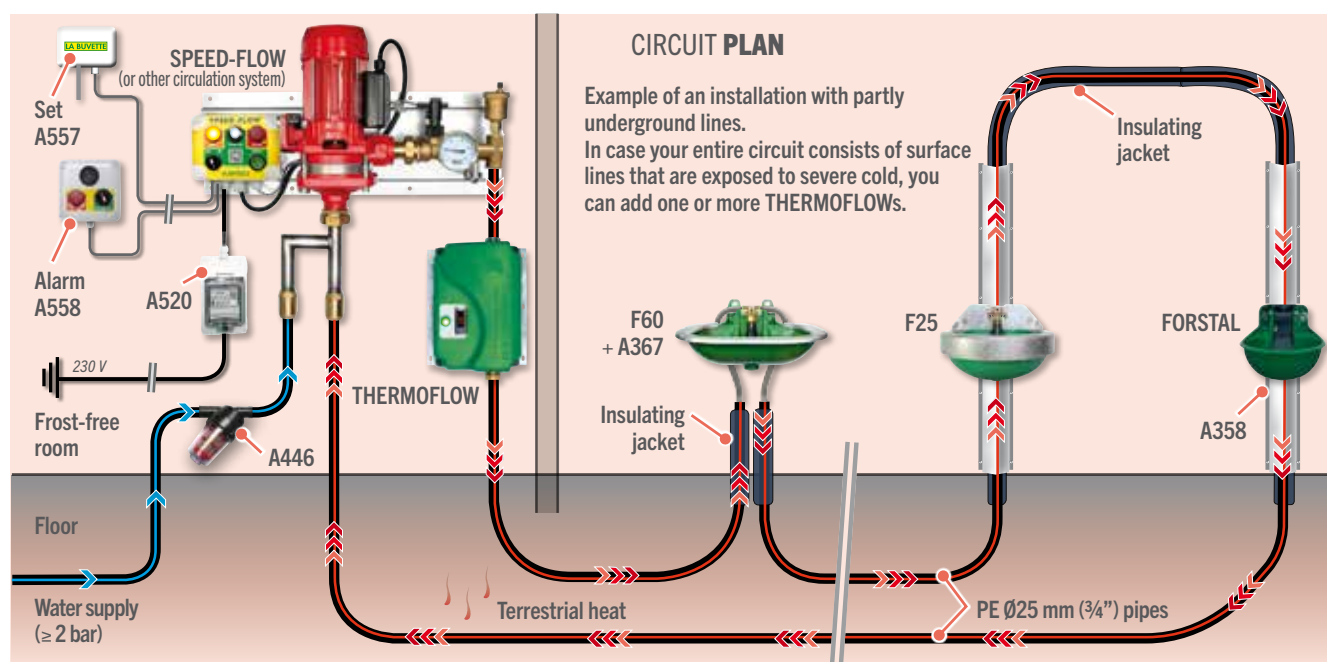
THERMOFLOW suits all drinking circuits equipped with a circulation pump. It improves the latter's anti-freeze performance only when it is required by the climatic conditions. THERMOFLOW is independent, it can be installed wherever you want.

**Depending on the required anti-freeze performance, LA BUVETTE recommends the use of one or more THERMOFLOWS.**

## + ACCESSORIES



REF.	DESIGNATION
A358	Water pipe protection in galvanised steel - Useful dim. L. 750 x W. 60 x D. 75 mm
A359	Connection set for water circuit (FORSTAL, p.10): 2 stainless steel ¾" tubes + rotary union
A363	Connection set for water circuit (POLYSTALL, p. 28): 2 stainless steel ¾" tubes + T ½" + rotary union ¾"
A367	Connection set for water circuit suitable for waterer with ¾" T: 2 stainless steel ¾" tubes
A365	Same as A367 with T for valve with ½" connection
A368	Connection set for water circuit suitable for MULTI 220 (p.38)
A373	Connection set for water circuit - for small spaces: 2 stainless steel tubes ¾" M
A520	Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet
A551	Safety valve of 7 bars – recommended for any circuit with heating system





## HEATING STRIP SELF-REGULATING 230 V

Self-regulating 230 V heating strip consisting of two electric wires encased in a polymer coat with conductive graphite particles for variable heating. The heating intensity is adjusted in each point of the line according to the temperature.

Variable capacity  
(maxi 10 W/m).  
Voltage 230 V.

For all types of surface water lines in existing installations. Cut at the required length from 0 to 200 m.  
Frost-protection down to -35 °C.

Differential circuit breaker 30 mA obligatory, delivered separately (A520).



### REF. DESIGNATION

C151	Self-regulating heating wire 230 V (10 W/metre) per metre (39.4")
C155	Self-regulating heating wire 230 V, 50 metres (54 yd) reel (with 10 warning labels)
C160	Self-regulating heating wire 230 V, 400 metres (437 yd) reel (with 80 warning labels)

## + ACCESSORIES



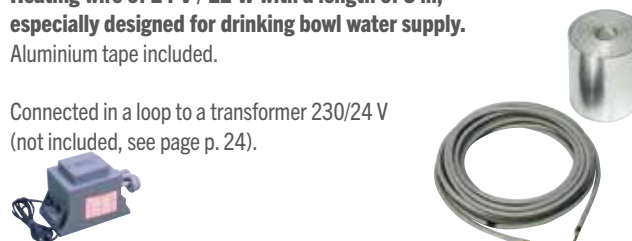
### REF. DESIGNATION

C170	DomoClick® electric connection set / terminal
C175	Aluminium tape on 50 metres (54 yd) roll
C180	Warning labels for wire sold per metre, obligatory (1 every 5 metres (16'))
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (max. 120 m (131 yd) of heating wire)
A358	Water pipe protection in galvanised steel - useful dim. L. 750 x W. 60 x D. 75 mm
A520	Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet

## HEATING CABLE FOR WATER SUPPLY 24V/22W

Heating wire of 24 V / 22 W with a length of 3 m, especially designed for drinking bowl water supply. Aluminium tape included.

Connected in a loop to a transformer 230/24 V (not included, see page p. 24).

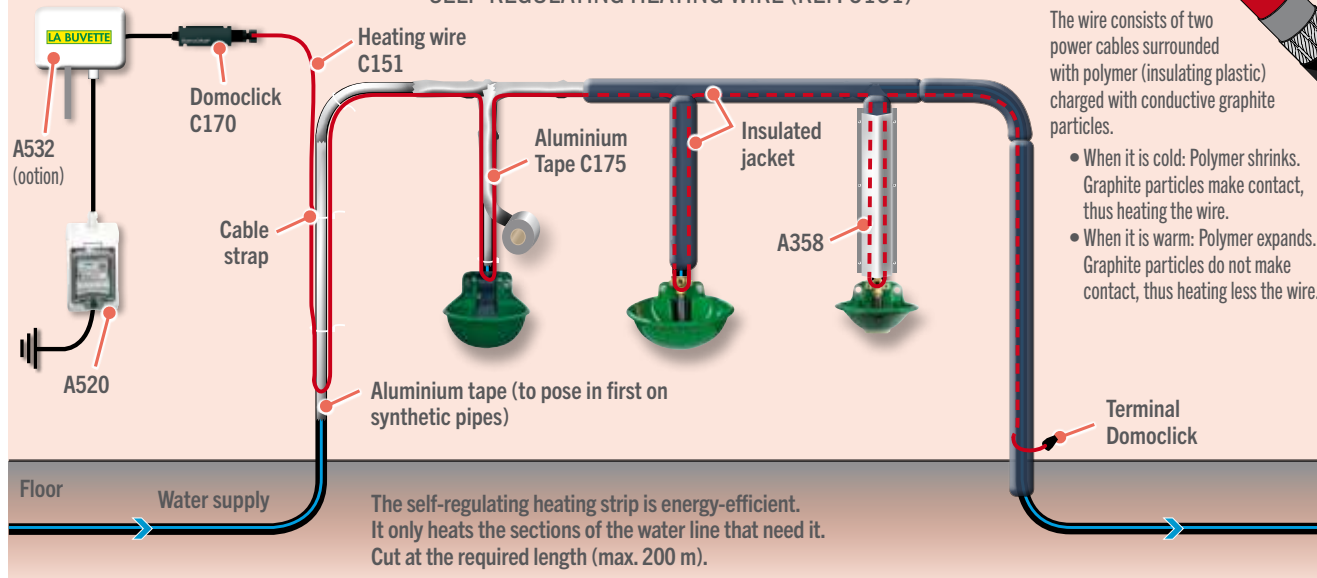


### REF. DESIGNATION

C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply
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### INSTALLATION

#### SELF-REGULATING HEATING WIRE (REF. C151)



# HEATING CABLES READY TO CONNECT

## HEATING CABLE READY TO PLUG 230V

**230 V ready to connect heating cable with built-in thermostat activated at 6 °C.**  
**Ideal to protect surface lines in existing installations**  
(9 lengths from 2 to 48 m ; Cannot be cut).

Capacity: 16 W/m



- 1 Efficient heating down to -45 °C.
- 2 230 V plug and 2 m long power cable.
- 3 Thermostat to be placed against the water line.
- 4 In blister pack with installation instructions.



REF.	DESIGNATION	PACKAGING
C140	Heating cable 230 V - Length 2 m	Blister
C141	Heating cable 230 V - Length 4 m	Blister
C142	Heating cable 230 V - Length 8 m	Blister
C143	Heating cable 230 V - Length 12 m	Blister
C144	Heating cable 230 V - Length 14 m	Blister
C145	Heating cable 230 V - Length 18 m	Blister
C146	Heating cable 230 V - Length 24 m	Blister
C147	Heating cable 230 V - Length 36 m	Blister
C148	Heating cable 230 V - Length 48 m	Blister



### OUR ADVICE

The LA BUVETTE anti-freeze heating wire must not be shortened or extended. The unused ends can be coiled on the water line (with a distance between the turns of the spiral of at least 15 mm).

**IMPORTANT:** Synthetic tubes must be covered with aluminium adhesive tape (ref. C175) before installing the LA BUVETTE heating wire. It protects the tube and distributes the heat.



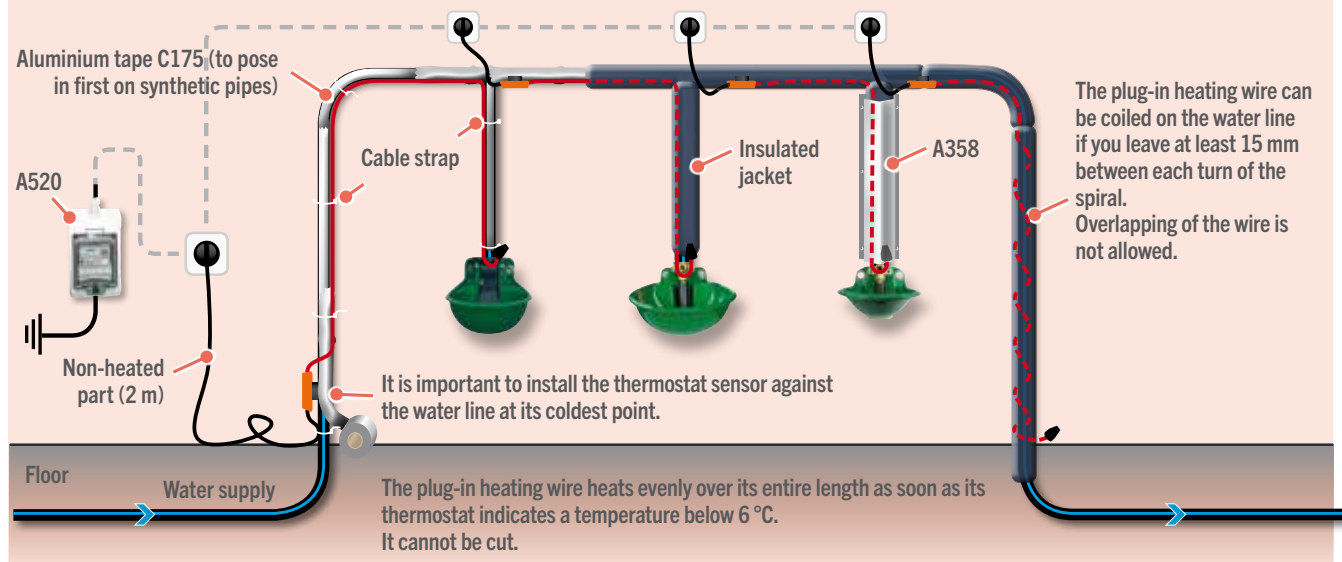
### DID YOU KNOW ?

The built-in thermostat of the heating wire starts heating as soon as the temperature of the water line drops below +6 °C and stops automatically when the temperature reaches more than +11 °C.

The anti-freezing efficiency of the plug-in heating wires varies according to the diameter and the insulation quality of the surface lines:

DIAMETER OF THE WATER LINES	WITHOUT INSULATION	INSULATED WITH 13 MM THICK FOAM
15 mm - 0.6"	-20°C (-4°F)	-45°C (-49°F)
22 mm - 0.9"	-13°C (8.6°F)	-45°C (-49°F)
28 mm - 1.1"	-10°C (14°F)	-40°C (-40°F)
35 mm - 1.4"	-7°C (19.4°F)	-40°C (-40°F)
42 mm - 1.7"	-5°C (23°F)	-35°C (-31°F)
48 mm - 1.9"	-4°C (25°F)	-30°C (-22°F)
60 mm - 2.4"	-3°C (26.5°F)	-25°C (-13°F)
76 mm - 3"	-2°C (28.4°F)	-20°C (-4°F)

## INSTALLATION READY TO CONNECT HEATING CABLE



# ELECTRIC FROST-FREE DRINKERS ON STAND



VIDEO TUTORIAL  
on facebook  
/labuvette.bovin

## LAKCHO 2 24V/50W or 80W

**EXTRA-large frost-free HDPE bowl with constant water level**, to be mounted on a PE or concrete stand (int. ø 300 mm)



10 l/mn at 3 bars

- 1 Water access 320 x 200 mm, maximum reserve of 5,5 litres
- 2 Seamless HDPE design
- 3 Simplified mounting system
- 4 Stainless steel edge and cover
- 5 Drain system without tools / Operation indicator light



**Electric frost protection system, efficient down to -20 °C (-4°F).**  
1/2" female fitting complete with 1 m stainless steel braided hose.

Transformer 230/24 V required, delivered separately.

### REF. DESIGNATION

1640	Bowl with constant water level and heating element 24 V - 50 W
1840	Same as 1640 with heating element 24 V - 80 W (northern countries)
1730	Same as 1640 without heating element

## STALCHO 2 24V/50W or 80W

**EXTRA-large anti-frost drinker in HDPE with large horizontal paddle to be mounted on a stand.**

Identical specifications as LAKCHO 2 with stainless steel paddle valve.



13 l/mn at 3 bars



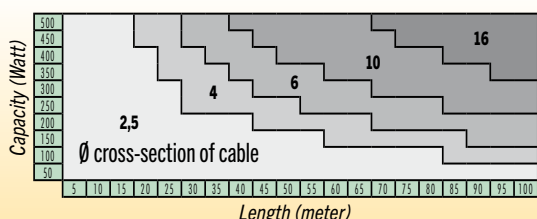
Transformer 230/24 V required, delivered separately.

### REF. DESIGNATION

1641	Bowl with stainless steel paddle and heating element 24 V - 50 W
1841	Same as 1641 with heating element 24 V - 80 W (northern countries)
1731	Same as 1641 without heating element



## OUR ADVICE



Use an electric cable with a suitable diameter for the installation's output. Consult the chart above.

**The installation of a fuse on the primary (230 V) and the auxiliary power line of the transformer (24 V) is mandatory.**

## LAKCHO 2 WARM WATER 24V/180W

**Version with 180W heating element to distribute lukewarm water.** Replaces CALDOLAC 5.

**Ideal for 25 dairy ewes.**



10 l/mn at 3 bars



WARM WATER



**Internal thermostat. Water at +10 to +15°C.**

Transformer 230/24 V required, delivered separately.

### REF. DESIGNATION

1642	Bowl with constant water level and heating element 24 V - 180 W with internal thermostat (to supply warm water)
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## + ACCESSORIES



Transformers  
(230/24 V) shell-type.  
European norm EN 60.742.



A532

### REF. DESIGNATION

A505	Transformer 50 VA for 1 LAKCHO 50 W or of equal value
A504	Transformer 100 VA for 2 LAKCHO 50 W or 1 ISOBAC 100 W or of equal to 100 W
A503	Transformer 200 VA for 4 LAKCHO 50 W or 2 ISOBAC 100 W or of equal to 200 W
A501	Transformer 300 VA for 6 LAKCHO 50 W or 3 ISOBAC 100 W or of equal to 300 W
A502	Transformer 400 VA for 8 LAKCHO 50 W or 4 ISOBAC 100 W or of equal to 400 W
A532	Remote thermostat for frost-free electric waterers: Automatic on/off according to the temperature (3°C / 37.4°F). Watertight cabinet. Max capacity: 1200 W

## HDPE-STAND

**Foam-insulated PE Stand with a hole for drain hose.**  
(Plug included).



**H 400 mm :**  
For calves,  
sheeps, goats,  
ponies...

**H 600 mm :**  
Ideal for cattle  
in the existing  
buildings.

**H 740 mm :**  
Especially  
designed for  
horses.

**H 1000 mm :**  
Perfect for first  
installation.

### REF. DESIGNATION

A574	Height 1000 mm to be embedded in 400 mm concrete
A573	Height 740 mm to be fixed to the floor ; Especially designed for horses.
A572	Height 600 mm to be fixed to the floor
A570	Height 400 mm to be fixed to the floor ; Especially designed for little animals: calves, sheeps, goats, ponies...





# ELECTRIC FROST-FREE STAINLESS STEEL DRINKING BOWL

## BIGCHO 2 24V/50W or 80W

Frost-free non-spill drinker with constant water level to be mounted on a stand. Easy installation: 6 mounting positions. Largely proportioned bowl for installation between 2 pens.

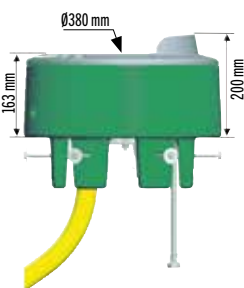


- 1 Stainless steel bowl and cover.
- 2 Stainless steel bowl and cover.
- 3 Double skin H.D.P.E. base, insulated by polyurethane foam.



**Electric frost protection system, efficient down to -20 °C (-4°F): Heating element 24 V/50 or 80 W.**  
Also available without frost protection.

- Bowl depth: 100 mm
- Bowl capacity: 5.5 litres
- To be mounted on polyethylene or concrete stand (int-Ø 300 mm - 11,8").
- Drinking height: 560 mm (22") on 400 mm (15,7") PE stand, 760 mm (30") on 600 mm (23,6") PE stand, 900 mm (35,5") on 740 mm (29,1") PE stand.
- S. s. threaded drain plug, s. s. ½" braided hose and drain hose are included.



Transformer 230/24 V required, delivered separately.

REF.	DESIGNATION
1639	Stainless steel non-spill bowl, constant water level, with heating element 24 V - 50 W
1839	Same as 1639 with heating element 24 V - 80 W (northern countries)
1712	Same as 1639 without heating element

## BIGSTAL 2 24V/50W or 80W

Frost-free non-spill drinkers with wide horizontal paddle to be mounted on a stand.

Same specifications as BIGCHO 2 with stainless steel paddle.



Stand sold separately (see page 24).  
Transformer 230/24 V required, delivered separately.

REF.	DESIGNATION
1643	Stainless steel non-spill bowl, stainless steel paddle, with heating element 24 V - 50 W
1843	Same as 1643 with heating element 24 V - 80 W (northern countries)
1713	Same as 1643 without heating element

## F130 EL 24V/30W or 80W

Stainless steel drinking bowl with outer shell in enamelled cast iron and pre-installed 30 or 80 W / 24 V heating element for frost protection.

Sturdy, deep, non-spill and compact.  
Connection ½" (15x21) female from top / bottom.  
4 fixing points Ø14 mm.



- 1 Stainless steel bowl and valve.
- 2 The push tube with jet breaker supplies water without splashing.
- 3 Drain plug.
- 4 The heating element for the F130 EL surrounds both bowl and valve.



Transformer 230/24 V required, delivered separately.

REF.	DESIGNATION
3246	Drinking bowl with heating element 30 W - 24 V
3247	Drinking bowl with heating element 80 W - 24 V for the northern countries

## + ACCESSORIES



Transformers 230/24 V mandatory, see on the left page.

REF.	DESIGNATION
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
A354	Metal protection frame in galvanised steel for F130 EL
A319	Set of 2 galvanised steel brackets for F130 EL
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply



# DRINKERS WITH WATER TANK

## CALORIX 400V-230V/3KW

**Vertical heated double drinker with 130 litre water tank.**  
**3000 W heating system** - 400 V three-phase or 230 V single-phase system.  
 Also available without heating.

A constant level valve fills up the tank with 130 litres. This high flow, low pressure valve fills two bowls with paddle.



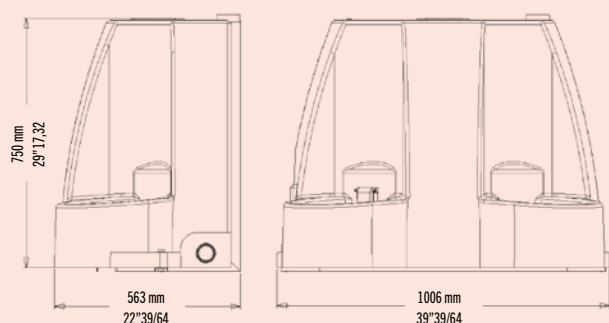
- 1 Water temperature control unit.
- 2 Each vertical paddle supplies 18 l/min at low pressure (no splashing).
- 3 Galvanised bracket for wall mounting.
- 4 Drain plug.



Differential circuit breaker 30 mA obligatory (delivered separately, Ref. A520).

REF.	DESIGNATION
1646	Heated drinker 3000 W - with galvanised mounting bracket
1611	Same as 1646, without heating element

### MOUNTING OF CALORIX™



## + ACCESSORIES



**MANDATORY:**

A520



REF.	DESIGNATION
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply
A505	Transformer 230/24 V - 50VA for heating cable C162.
A520	Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet



### DID YOU KNOW ?

Dairy cows prefer to drink heated water. Giving them lukewarm water helps limit a decrease in milk production, especially in the wintertime.

## STALL 3000 EL 24V/150W

**Vertical frost-free drinker with 30 litres water tank.**  
 Compact, robust and easy to clean.

**Convenient for 15 heads of big cattle.**

Can be mounted on wall or on horizontal or vertical tubes. ½" (15x21) water connection under normal pressure (2-3 bars ; 28-42 psi), from top or bottom.

**Frost-free version efficient down to -20°C (-4°F) with internal thermostat and operation indicator light.**

Also available without heating.

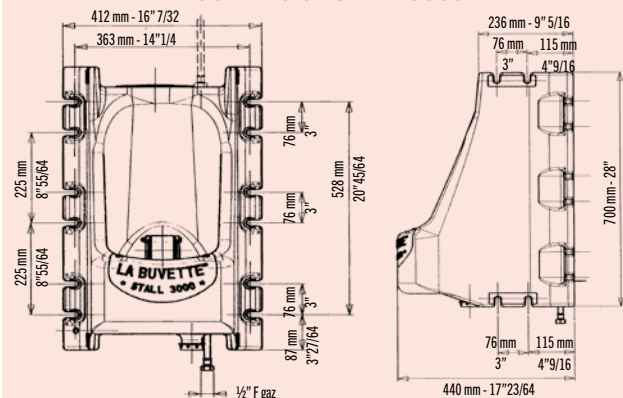
- 1 Non-spill shape: the animal inserts its head into the bowl and drinks without spilling water.
- 2 A constant level valve fills the 30 litres water tank.
- 3 The vertical paddle supplies 18 l/min at low pressure (no splashing).



Transformer 230/24 V is required (delivered separately, see page 24).

REF.	DESIGNATION
1602	Frost-free waterer (EL) 24 V - 150 W with thermostat and 30 l. water tank
1601	Standard waterer (without heating element) with 30 l. water tank

### MOUNTING OF STALL 3000



## + ACCESSORIES



**DUO mounting: 2 STALL 3000**  
 can be mounted back-to-back with the A327 wall mounting bracket.

Transformers (230/24 V) (see p. 24)



REF.	DESIGNATION
A325	Mounting set for horizontal or vertical tubes
A326	Mounting set for horizontal or vertical tubes or fence with 4 or 5 brackets.
A327	Mouting bracket on galvanised steel for 1 or 2 STALL 3000
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply

# WALL-MOUNTED DRINKER ON STAND

## NORMANDY

**Compact HDPE drinker with push tube or constant level.**  
4 wall fixing points.



- 1 Adjustable constant level or very easily operated push tube.
- 2 Stainless steel valve cover and anti-nibbling edge.
- 3 Large access door for water connection and installation of anti-freeze power set.
- 4 Draining without tools.

**Very sturdy rotomoulded seamless HDPE construction, food-safe and UV resistant.** Top or bottom connection to the water supply line: Connection made easy by means of pre-installed 3/4" (20x27) stainless steel braided hose. Large bowl, quick and easy to clean.

REF.	DESIGNATION	PACKAGING
1716	NORMANDY with push tube valve	Carton apiece
1717	NORMANDY with float valve	Carton apiece

## + ACCESSORIES

**Metal protection** to protect water supply lines. Fit for tubes with insulating foam jacket.

A358

**Insulated PU-foam-filled double-walled HDPE stand** to protect water supply lines from below. Very high shock resistance. Wall-mounted to save space.

**Can be cut into 2.**

You can install 2 NORMANDY drinkers using one A576 stand (see our advice).

A576



REF.	DESIGNATION
A358	Metal protection profile in galvanised steel - useful dim. L. 750 x W. 60 x D. 75 mm.
A576	PU-foam-filled HDPE stand - Height 560 mm

## + FROST PROTECTION

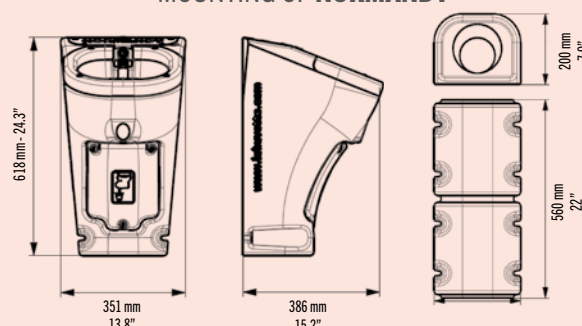
**Anti-freeze power set 24V/80W** to be installed under the bowl of a NORMANDY. Protects both the valve and the bowl from freezing **down to -20°C (-4°F)**.



**Heating wire 24V/22W** for water supply line up to a length of 1.5 m. Closed loop connection to the Normandy's power set (sold separately).

REF.	DESIGNATION
A396	Anti-freeze power set of 80 W/24 V to protect the bowl and valve.
A504	100 VA transformer for 1 NORMANDY with A396 and C162
C162	Heating wire of 22 W/24 V - 3 m long for water supply line
A532	Remote thermostat for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)

### MOUNTING OF NORMANDY



### DID YOU KNOW ?

LA BUVETTE developed the first connected watering system to monitor and control the water intake of race and other sport horses: the **BLUE INTELLIGENCE™** solution.

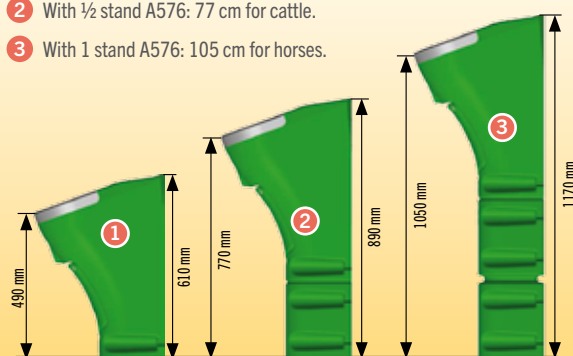
More information on [www.blueintelligence-labuvette.com](http://www.blueintelligence-labuvette.com).



### OUR ADVICE

Adapt the height to the size of the animals for more comfort and less dirt in the drinker.

- 1 Without stand A576: 49 cm for veals and sheep.
- 2 With 1/2 stand A576: 77 cm for cattle.
- 3 With 1 stand A576: 105 cm for horses.





# SINGLE-ACCESS STAINLESS STEEL WATERER



## Why choose POLYSTALL PREMIUM ?

Benefit from the advantages of its double-walled HDPE doors:



Protection from impurities (litter, birds, dung...)

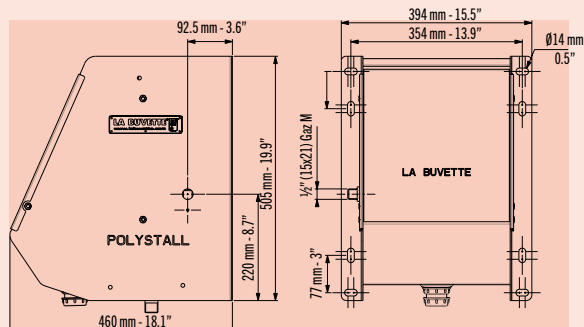


Insulating capacity to protect against the first cold.



Easier cleaning and maintenance

## MOUNTING OF POLYSTALL



## DID YOU KNOW ?

The optional bracket A372 allows you to install a single-access POLYSTALL at the end of corridors between cubicles. This means the animal drinks in the mechanically scraped area and does not soil the passageway.



PATENT EP2489259

## POLYSTALL PREMIUM

**Single-access** wall-mounted stainless steel drinker with constant water level and **double-walled polyethylene door**.

**High flow rate valve.**

Connection 1/2" (15x21).



32 l/mn at 3 bars



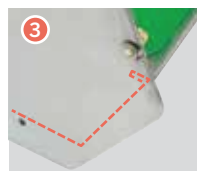
Standard version, without door.



A333 power set (option).



1 Double-walled polyethylene door (only on PREMIUM version).



2 Valve 32 l/min. (flow rate measured at 3 bars) with shutoff pin. On single access drinkers the water supply can be connected from the left or the right.



3 Double inward folded non-spill edge. No salient parts.

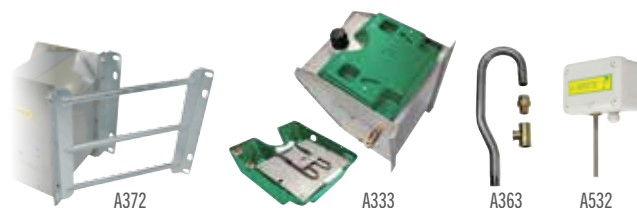
4 Bulkhead screw-in drain plug.

## REF. DESIGNATION

1609	Single-access s.s. drinker with float valve and one double-walled polyethylene door.
1607	Same as 1609 with no door

## + ACCESSORIES

In extremely cold areas, the A333 frost protection set, efficient down to -20 °C, can be installed on the POLYSTALL drinkers. The can also be connected to a circulation system using the A363 set.



## REF. DESIGNATION

A372	Side mounting support
A333	24 V - 80 W frost protection set. Transformers to order separately
A332	Single door set for POLYSTALL in double-walled polyethylene
A363	Connection set for water circuit: Stainless steel tube 3/4" + 1/2" T + Rotary union
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply

# DOUBLE-ACCESS STAINLESS STEEL WATERER

29



## POLYSTALL TWIN PREMIUM

**Double-access** wall-mounted stainless steel drinker with constant water level and **double-walled polyethylene doors**.

**High flow rate valve.**

Connection 1/2" (15x21).

 32 l/mn at 3 bars



Standard version, without door.

A333 power sets (options).

- 1 Double-walled polyethylene doors (only on PREMIUM version).
- 2 Valve 32 l/min. (flow rate measured at 3 bars) with shutoff pin. On single access drinkers the water supply can be connected from the left or the right.
- 3 Double inward folded non-spill edge. No salient parts.
- 4 Bulkhead screw-in drain plug.

REF.	DESIGNATION
1610	Double-access s.s. drinker with float valve and two double-walled polyethylene doors.
1608	Same as 1610 with no door

## + ACCESSORIES

In extremely cold areas, two A333 frost protection sets, efficient down to -20 °C, can be installed on the POLYSTALL TWIN drinkers. They can also be connected to a circulation system using the A363 set.



Transformer 230/24 V is required (delivered separately, see page 24).

REF.	DESIGNATION
A333	24 V - 80 W frost protection set. Transformers to order separately
A332	Single door set for POLYSTALL in double-walled polyethylene
A363	Connection set for water circuit: Stainless steel tube 3/4" + 1/2" T + Rotary union
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply



### USER'S OPINION



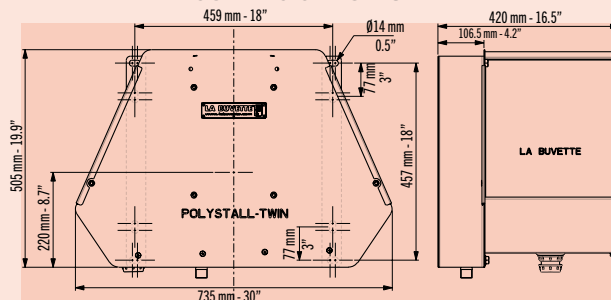
**With the POLYSTALL TWIN PREMIUM, both the water and the floor stay perfectly clean**

WITH THE POLYSTALL TWIN PREMIUM, BOTH THE WATER AND THE FLOOR STAY PERFECTLY CLEAN

*I installed a POLYSTALL TWIN PREMIUM at the end of a passageway, between two cubicles. The cows got easily accustomed to drinking from either side of the barrier two at the same time. The polyethylene doors keep the water clean, the animals do not spill water and the floor underneath the drinker stays dry. It is also easy to install: I mounted it on two bars in less than an hour.*



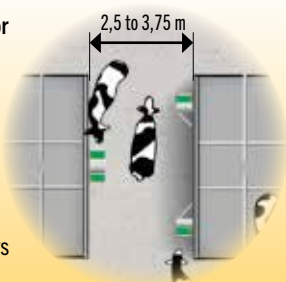
### MOUNTING OF POLYSTALL



### OUR ADVICE

The POLYSTALLs are perfects for rather narrow passageways between cubicles.

It allows cows to drink standing parallel to the wall without hindering the free movement of the other cows. Another advantage is that there will be less cow dung in the passageways between the cubicles.



# STAINLESS STEEL TIPPING TROUGHS



## + FROST PROTECTION

### Anti-freeze power set for the trough:

2 heating elements of 24 V - 175 W glued under the stainless steel trough. The polyethylene cover optimizes the heat transfer to the trough. Set recommended for regions with risk of **high frost**.



### Anti-freeze power set for the valve:

24 V - 20 W heating element to insert into the valve: recommended for risk of **low** (alone) or **high frost** (combined with trough anti-freeze set).



### Anti-freeze power set for the water supply

24 V - 22 W heating wire to protect up to 1,50 m of pipe (loop connection).

Transformer 230/24 V is required (delivered separately, see Accessories).

REF.	DESIGNATION
A393	Power set for LB 150: 24 V / 350 W (2 x 175 W)
A395	Heating element: 24 V / 20 W
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

**Anti-freeze circulation set for the trough.** Recommended for risk of **low frost**. SPEED-FLOW circulation pump and THERMOFLOW heater, p. 20-21.



REF.	DESIGNATION
A398	Circulation set for LB 150 (stainless steel pipe immersed inside the trough + fittings)
A338	Extra PE side cover with screws

## LB150

Stainless steel tipping trough for dairy cows kept inside

Suitable for up to 3 cows drinking at the same time.

For wall mounting, but can be installed on floor with feet (see accessories).

Several frost protection set are available (see Frost protection).



72 l/mn at 3 bars



- 1 Stainless steel trough of 53 litres linking sturdiness and food safety. Specially folded non-spill edge to minimize water loss and avoid splashing. Galvanised steel reinforcement with anti-torsion bars under the trough.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.
- 3 72 l/mn. valve (measured flow rate at 3 bars) with water shut off pin
- 4 3/4" swivel fitting with 2 entries: can be connected to a SPEED-FLOW circulation pump (p. 20) without extra accessories.
- 5 A second HDPE side plate avoids all contact between the animals and the water supply. Its insulating capacity protecting it from frost.
- 6 Big lever foldaway with blocking anti-fall.
- 7 Finger safety.

REF.	DESIGNATION
2092	Tipping trough LB150 - 53 L - 72 l/min (3 bars)

## + ACCESSORIES



REF.	DESIGNATION
D201	Set of galvanised feet
A502	Transformator 230/24 V - 400 VA for LB with power set
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



# STAINLESS STEEL TIPPING TROUGHS

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FROST-FREE PRODUCTS



## LB230

Stainless steel tipping trough for dairy cows kept inside

Suitable for up to 5 cows drinking at the same time.

Same specifications as LB 150. Capacity 85 litres.

Galvanised feet sold separately, Ref. D201.



### REF. DESIGNATION

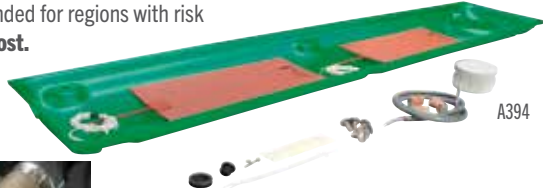
2093 Tipping trough LB230 - 85 L - 72 l/min (3 bars)

## + FROST PROTECTION

### Anti-freeze power set for the trough:

2 heating elements of 24 V - 175 W glued under the stainless steel trough.

The polyethylene cover optimizes the heat transfer to the trough. Set recommended for regions with risk of high frost.



A394



A395

### Anti-freeze power set for the valve:

24 V - 20 W heating element to insert into the valve: recommended for risk of **low** (alone) or **high frost** (combined with trough anti-freeze set).



C162

### Anti-freeze power set for the water supply

24 V - 22 W heating wire to protect up to 1,50 m of pipe (loop connection).

Transformer 230/24 V is required (delivered separately, see Accessories)..

### REF. DESIGNATION

A394 Power set for LB230: 24 V / 350 W (2 x 175 W)

A395 Heating element: 24 V / 20 W

C162 Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

**Anti-freeze circulation set for the trough.** Recommended for risk of **low frost**. SPEED-FLOW circulation pump and THERMOFLOW heater, p. 20-21.



A399



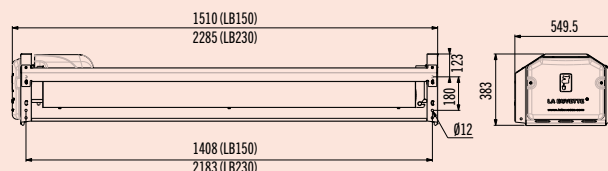
A338

### REF. DESIGNATION

A399 Circulation set for LB230 (stainless steel pipe immersed inside the trough + fittings)

A338 Extra PE side cover with screws

### DIMENSIONS: LB150 & LB230



## + ACCESSORIES



D201



A502



A532

### REF. DESIGNATION

D201 Set of galvanised feet

A502 Transformer 230/24 V - 400 VA for LB230 with power set

A532 Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



## DID YOU KNOW ?

The cleanliness of the drinking water is an aspect that cannot be neglected if you want to keep up the productivity of your dairy cows. In fact, cattle can detect a content of 0.05 g dung per litre of water (Willms, 2002).

When the concentration reaches 2.5 g/l, the water consumption is affected and as soon as it is over 5 g/l the ingestion of dry matter is also reduced.



## OUR ADVICE

Mount your drinkers at 70-80 cm from the ground to reduce soiling.

Clean the drinkers with a brush at least once a week. This maintenance is made easy by the shut off pin on the LA BUVETTE drinkers allowing to close the valve.

# STAINLESS STEEL RAPID-DRAIN TROUGHS



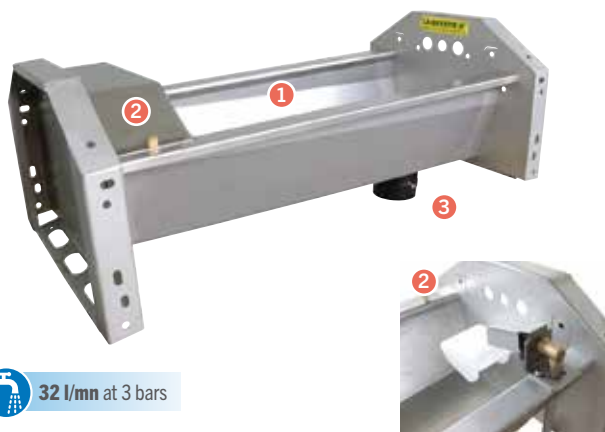
VIDEO TUTORIAL  
on facebook  
/labuvette.bovin

## GV110

**Compact stainless steel trough with large drain.**

Suitable for up to 2 cows drinking at the same time.

For wall mounting, but can be installed on floor with feet (see accessories).



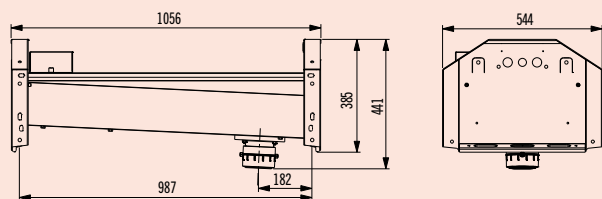
32 l/mn at 3 bars

- 1 Stainless steel trough of 57 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing. Only 105 cm long: can easily be installed instead of a cubicle or between two rows of cubicles
- 2 Compact valve protected by a stainless steel cover that can be removed without tools (brass elbow, 1/2" M supplied. Stainless steel braided hose sold separately ref. A452)
- 3 "Hands dry" Ø100 mm drain plug.

### REF. DESIGNATION

2412 Rapid-drain trough GV110 - 57 L - 32 l/min (3 bars)

### DIMENSIONS: GV110



### DID YOU KNOW ?



#### "Hands dry" Ø100 mm drain plug:

LA BUVETTE's GV range is equipped with an exclusive quick drain system. The plug is opened and closed in only one movement from below the trough without getting your hands wet. Simple system that can be locked without the use of tools. Can still be used when it is freezing.

A Ø 140 mm PVC tube can easily be connected to the drain hole to channel the water.

Also on MICHIGAN DUO and BAIKAL 230.

## GV150

**Stainless steel trough with large draining.**

Suitable for up to 3 cows drinking at the same time.

For wall mounting, but can be installed on floor with feet (see accessories). Several frost protection set are available (see Frost protection page 33).



72 l/mn at 3 bars



- 1 Stainless steel trough of 66 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.
- 3 72 l/mn. valve (measured flow rate at 3 bars) with water shut off pin
- 4 3/4" swivel fitting with 2 entries: can be connected to a SPEED-FLOW circulation pump (p. 20) without extra accessories.
- 5 A second HDPE side plate avoids all contact between the animals and the water supply. Its insulating capacity protecting it from frost. Quickly removable without tools.
- 6 Draining system Ø 100 mm accessible from below: Hands are kept dry.

### REF. DESIGNATION

2409 Rapid-drain trough GV150 - 66 L - 72 l/min (3 bars)

## + ACCESSORIES



### REF. DESIGNATION

- |      |   |
|------|---|
| D201 | Set of galvanised feet  |
| A615 | Extra low pressure float valve for drinker GV150/230/300  |
| A502 | Transformer 230/24 V - 400 VA for GV150 with power set  |
| A532 | Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W) |



# STAINLESS STEEL RAPID-DRAIN TROUGHS



VIDEO TUTORIAL  
on facebook  
/labuvette.bovin

33

FROST-FREE PRODUCTS



## GV230

Stainless steel trough with large draining.  
Suitable for up to 5 cows drinking at the same time.  
Same specifications as GV150. Capacity 112 litres.



REF. DESIGNATION

2410 Rapid-drain trough GV230 - 112 L - 72 l/min (3 bars)

## + FROST PROTECTION

### Anti-freeze power set for the trough:

2 heating elements of 24 V - 175 W glued under the stainless steel trough.  
The polyethylene cover optimizes the heat transfer to the trough. Set recommended for regions with risk of high frost.



A393 / A394



A395

### Anti-freeze power set for the valve:

24 V - 20 W heating element to insert into the valve:  
recommended for risk of **low** (alone) or **high frost**  
(combined with trough anti-freeze set).

### Anti-freeze power set for the water supply

24 V - 22 W heating wire to protect up to 1,50 m of pipe  
(loop connection).



C162

Transformer 230/24 V is required (delivered separately, see Accessories).

REF. DESIGNATION

A393 Power set for GV150: 24 V / 350 W (2 x 175 W)

A394 Power set for GV230 and GV300: 24 V / 350 W (2 x 175 W)

A395 Heating element: 24 V / 20 W

C162 Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

### Anti-freeze circulation set for the trough.

Recommended for risk of **low frost**. SPEED-FLOW circulation pump and THERMOFLOW heater, p. 20-21.



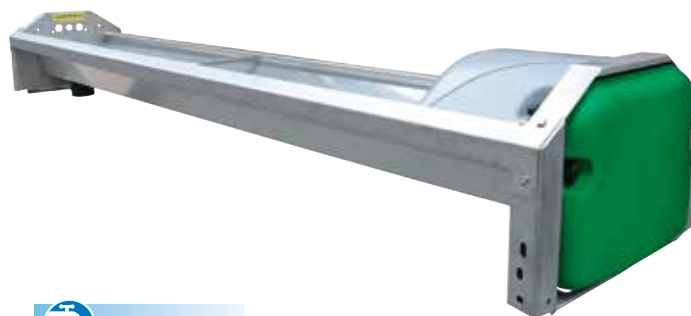
A397

REF. DESIGNATION

A397 Circulation set for GV150, GV230 and GV 300

## GV300

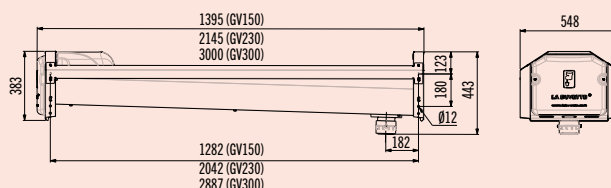
Stainless steel trough with large draining.  
Suitable for up to 6 cows drinking at the same time.  
Same specifications as GV150. Capacity 144 litres.



REF. DESIGNATION

2411 Rapid-drain trough GV300 - 144 L - 72 l/min (3 bars)

### DIMENSIONS: GV150, GV230 & GV300



## + ACCESSORIES



A615



D201



A502

A532

REF. DESIGNATION

D201 Set of galvanised feet

A615 Extra low pressure float valve for drinker GV150/230/300

A502 Transformer 230/24 V - 400 VA for GV230 or GV300 with power set

A532 Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



### DID YOU KNOW ?

The A615 extra low pressure valve allows you to use the GV150, GV230 and GV300 drinker to supply heated water from the milk pre-cooler. The water must first be kept in an elevated tank. The heated water shall first be supplied to the drinker. The high flow valve remains functional and takes over as soon as the storage tank is empty.





# LARGE WATERER WITH STAINLESS STEEL TROUGH AND HDPE BASE



## + FROST PROTECTION

**Anti-freeze power set for the trough:** 2 heating elements of 24 V - 175 W glued under the stainless steel trough. The polyethylene base directs the heat to the stainless steel trough and provides proper insulation. Set recommended for regions with risk of high frost.



**Anti-freeze power set for the valve:** 24 V - 20 W heating element to insert into the valve: recommended for risk of **low** (alone) or **high frost** (combined with trough anti-freeze set).

**Anti-freeze power set for the water supply**  
24 V - 22 W heating wire to protect up to 1,50 m of pipe (loop connection).



Transformer 230/24 V is required (delivered separately, see Accessories)..

REF.	DESIGNATION
A402	Power set for BAÏKAL230 - 24 V / 350 W (2 x 175 W)
A395	Heating element: 24 V / 20 W
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

**Anti-freeze circulation set for the trough.** Recommended for risk of **low frost**. SPEED-FLOW circulation pump and THERMOFLOW heater, p. 20-21.

REF.	DESIGNATION
A397	Circulation set for BAÏKAL 230 (stainless steel pipe immersed inside the trough)

## + ACCESSORIES



REF.	DESIGNATION
A502	Transformer 230/24 V - 400 VA for BAÏKAL230 with power set
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



### DID YOU KNOW ?

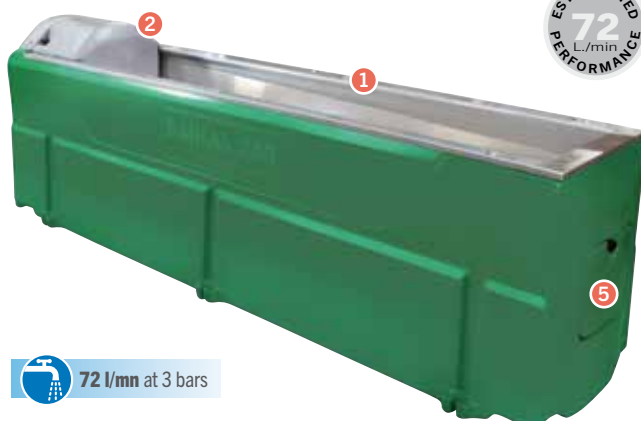
Find all the drinking troughs design for big herds in video on [www.labuvette.fr/videos](http://www.labuvette.fr/videos).



## BAÏKAL 230

Large waterer with stainless steel trough and HD polyethylene base. Valve and trough design for large herds. Up to 5 animals can drink at the same time.

The concept of **STAINLESS STEEL + PE** optimizes the resistance to the cold (different sets to keep your drinkers frost-free, see FROST PROTECTION).

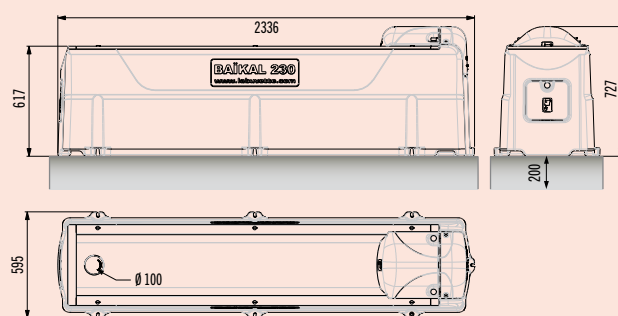


- 1 Stainless steel trough of 112 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.
- 3 72 L/mn. valve (measured flow rate at 3 bars) with water shut off pin
- 4 3/4" swivel fitting with 2 entries: can be connected to a SPEED-FLOW circulation pump (p. 20) without extra accessories. A mechanical compartment allows easy access to the different connections.
- 5 "Dry hands" quick draining system: The PE cover allows access without having to wet your hands. The Ø 100 mm plug is not affected by frost.

7 fixing points on concrete base with a minimum height of 20 cm.

REF.	DESIGNATION
2432	Drinking trough BAÏKAL 230 - 112 L - 72 l/min (3 bars)

### INSTALLATION: BAÏKAL230



The BAÏKAL 230 has to be installed on a concrete base with a minimum height of 20 cm (8").

# DOUBLE WATERER WITH STAINLESS STEEL TROUGH AND HDPE BASE

## MICHIGAN DUO

Double waterer with stainless steel trough and HD polyethylene base. Valve and trough design for all herds.

The concept of **STAINLESS STEEL + PE** optimizes the resistance to the cold (different sets to keep your drinkers frost-free, see FROST PROTECTION)



72 l/mn at 3 bars

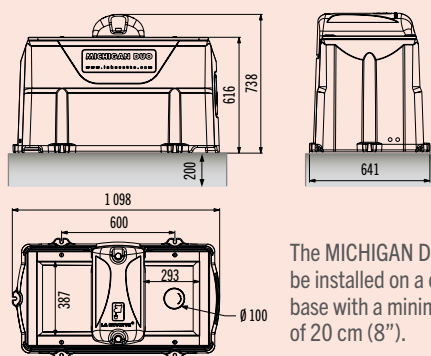


- 1 Stainless steel trough of 52 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.
- 3 72 l/mn. valve (measured flow rate at 3 bars) with water shut off pin. Adjustable water level without tool.
- 4 3/4" swivel fitting with 2 entries: can be connected to a SPEED-FLOW circulation pump (p. 20) without extra accessories.
- 5 "Dry hands" quick draining system: The PE cover allows access without having to wet your hands. The Ø 100 mm plug is not affected by frost.

5 fixing points on concrete base with a minimum height of 20 cm.

REF.	DESIGNATION
2430	Drinking trough MICHIGAN DUO - 52 L - 72 l/mn (3 bars)

### INSTALLATION: MICHIGAN DUO



The MICHIGAN DUO has to be installed on a concrete base with a minimum height of 20 cm (8").



## + FROST PROTECTION

### Anti-freeze power set for the trough:

1 heating element 24 V / 175 W glued under the trough. The polyethylene base directs the heat to the stainless steel trough and provides proper insulation. Set recommended for regions with risk of high frost.

A401



### Anti-freeze power set for the valve:

24 V - 20 W heating element to insert into the valve: recommended for risk of low (alone) or high frost (combined with trough anti-freeze set).

### Anti-freeze power set for the water supply

24 V - 22 W heating wire to protect up to 1,50 m of pipe (loop connection).



C162

Transformer 230/24 V is required (delivered separately).

REF.	DESIGNATION
A401	Power set for MICHIGAN DUO - 24 V / 175 W
A395	Heating element: 24 V / 20 W
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

## + ACCESSORIES



A501

A532

REF.	DESIGNATION
A501	Transformer 230/24 V - 300 VA for MICHIGAN DUO with power set and heating cable
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



# LARGE MODULAR DRINKING TROUGHS

PATENT EP2190284; RU2448459; FR2834613; US6732674; CA1385911

## MULTI-TWIN™

**Large trough in double-walled HD polyethylene with mechanical compartment and double valve for high flow-rate.**

Stainless steel ¾" braided hose included.

Optional third valve available, ref. A384.

10 mounting points on a solid concrete base of at least 20 cm (8") (required).



64 l/mn at 3 bars



- 1 Trough in double-walled HDPE. Length 2,16 m ; Capacity: 200 litres.  
The Multi-Twin™ allows 6 to 7 cows per trough to drink at the same time.
- 2 Modular system: additional troughs can be connected to increase the length.
- 3 The double valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.  
No tools are required to access to the valve.
- 4 Combined with the optional A384, the valves, installed safely beneath the protective cover, supply 96 l/min up from 3 bars (25¼ USG, 43½ psi). A mechanical compartment allows easy access to the different connections.
- 5 Draining Ø 100 mm (4").
- 6 Available with or without frost-protection system.  
The frost-free model (EL) features three 24 V - 80 W heating elements mounted underneath the trough and inside the mechanical compartment.

### REF. DESIGNATION

2470	Standard trough - mechanical compartment - Double valve (without heating element)
2480	EL trough - mechanical compartment - Double valve with heating elements 24 V - 240 W (see page 37)



### OUR ADVICE

Add a third float valve for more flow rate (A384) or to distribute lukewarm water from the milk pre-cooler (A615).

Choose the right version, standard or electrical, right from the start.

## MULTI-TWIN™ 400

**Two large paired troughs (1 MULTI-TWIN™ + 1 additional trough) with double valve and mechanical compartment.**

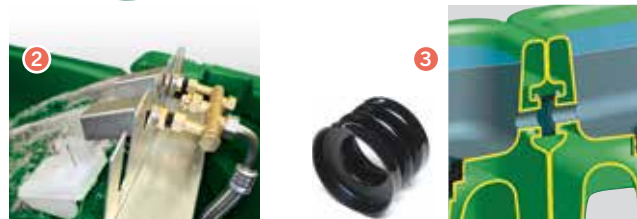
**High flow-rate.** Stainless steel ¾" braided hose included.

Optional third valve available, ref. A384.

18 mounting points on a solid concrete base of at least 20 cm (8") (required).



64 l/mn at 3 bars

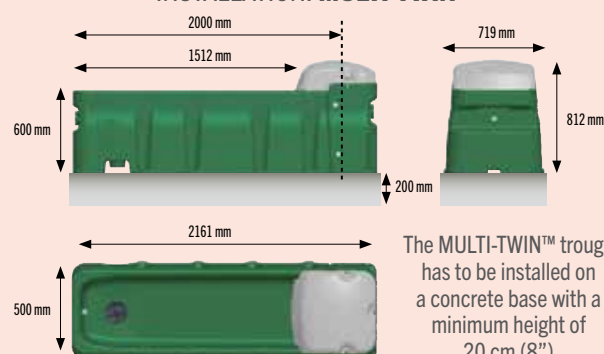


- 1 2 troughs in double-walled HDPE. Length 4,00 m ; Capacity: 400 litres.
- 2 Double valve preinstalled: 64 l/mn at 3 bars (¾" connection).
- 3 Troughs connection system Bellow joint: hermetically sealed, flexible, easily installed (ring clamps included). A third trough can be added.
- 4 Available with or without frost-protection system.  
The frost-free model (EL) features five 24 V - 80 W heating elements mounted underneath the troughs and inside the mechanical compartment.

### REF. DESIGNATION

2471	2 standard troughs - mechanical compartment - Double valve (without heating element)
2481	2 EL troughs - mechanical compartment - Double valve with heating elements 24 V - 400 W (see on right page)

### INSTALLATION: MULTI-TWIN™



The MULTI-TWIN™ trough has to be installed on a concrete base with a minimum height of 20 cm (8").



# LARGE MODULAR DRINKING TROUGHS

PATENT EP2190284; RU2448459; FR2834613; US6732674; CA1385911

37

FROST-FREE PRODUCTS



## TROUGH MULTI-TWIN™

Large standard or frost-free additional trough without valves.  
2 bellow joints included.

8 mounting points on a solid concrete base of at least 20 cm (8") (required).



- 1 Trough in double-walled HDPE. Length 2,16 m ; Capacity: 200 litres.
- 2 Draining Ø 100 mm (4").
- 3 Available with or without frost-protection system. The frost-free model (EL) features two 24 V - 80 W heating elements mounted underneath the trough.

REF.	DESIGNATION
2472	Standard separate trough (without heating element)
2482	EL separate trough with heating elements 24 V - 160 W (see on right side)

## + ACCESSORIES

- For connection to a circulation system.



A382



A383

- To increase the flow rate



A617



32 l/mn at 3 bars



A384

- To distribute water from the milk pre-cooler.



A617

- For the electrical versions



A532

REF.	DESIGNATION
A382	Connection set for water circuit: 3/4" stainless steel hose + insulation jackets
A383	Connection set for water circuit: Stainless steel loop + 3/4" braided hoses + insulation jackets.
A384	32 l/min (8 1/2 USG) 3rd valve (at 3 bars, 43 1/2 psi) + 1/2" s.s. braided hose.
A617	Low pressure 3rd valve (blue) for water supply by gravity (<1 bar or 14.5 psi)
A532	Remote thermostat for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



## DID YOU KNOW ?

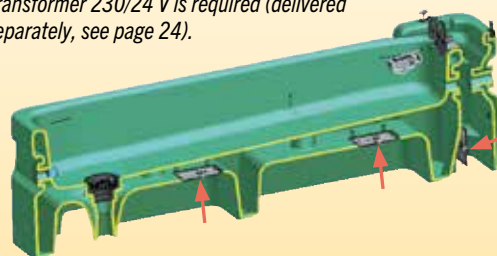
### FROST PROTECTION WITH ELECTRIC HEATING ELEMENTS

On the frost-free models (EL), the heating plates are installed directly underneath the trough and in the valve area:

- Capacity 3 x 80 W for 1 trough
- Capacity 5 x 80 W for 2 troughs

Recommended for regions with risk of high frost.

Transformer 230/24 V is required (delivered separately, see page 24).



### FROST PROTECTION WITH WATER CIRCULATING SYSTEM

Connected to a SPEED-FLOW circulation pump with or without heating element THERMOFLOW (p. 20-21), the A383-set for connection to a circulation system and its stainless steel loop keep both the valve and the water in the trough frost-free.

Recommended for risk of low frost.



## OUR ADVICE

The MULTI-TWIN™ trough has to be installed on a concrete base with a minimum height of 20 cm (8").

# LARGE INDOOR DRINKING TROUGH IN POLYETHYLENE

PATENT FR2834613; US6732674; CA1385911



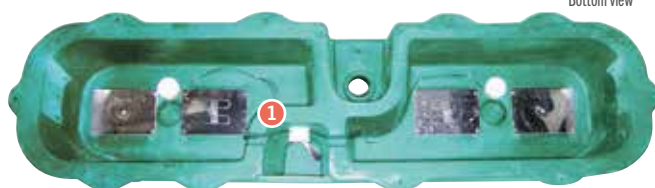
## MULTI 220 EL 24V/342W

Large indoor drinker in high density polyethylene equipped with an electric frost protection system.

Ensures the distribution of **comfortably heated water in harsh weather conditions** (down to -20 °C, -4 °F).

Same other specifications as MULTI 220S.

Bottom view



- 1 4 heating plates ensure frost protection.
- 2 Heating cable included (24 V, 22 W) to protect the water supply line (loop connection on the transformer).



### REF. DESIGNATION

2451 Large polyethylene drinking trough with heating elements (24 V, 342 W)

## + ACCESSORIES



### REF. DESIGNATION

A502 Transformer 230V/24V, European norm - 400 VA (for MULTI 220EL)

A532 Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)



## OUR ADVICE

The MULTI 220 trough has to be installed on a concrete base with a minimum height of 20 cm (8").

Choose the right version, standard or electrical, right from the start.

## MULTI 220 S

Large indoor drinking trough in high density polyethylene to quickly satisfy the animals' water needs after being milked.

Version without heating, non frost protected.

10 mounting points on a solid concrete base of at least 20 cm (8") (required).



### Technical specifications:

- Capacity: 145 litres
- Weight: 50 kg
- Dimensions: L. 2272 x W. 622 x H. 760 mm
- Drinking height: 600 mm



34 l/mn at 3 bars



- 1 Trough in double-walled HDPE. Length: 2,27 m
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving as a first protection from frost.
- 3 34 l/mn. valve. Connection 1/2". Stainless steel braided hose included.
- 4 Easy cleaning: no nooks and crannies.
- 5 Draining Ø 100 mm (4").

### REF. DESIGNATION

2450 Large polyethylene drinking trough (without frost-protection)

## + ACCESSORIES



### REF. DESIGNATION

A368 Connection set for water circuit:  
Stainless steel T + 2 stainless steel braided hoses 3/4" + insulated jackets

# DOUBLE DRINKING TROUGH IN POLYETHYLENE

## ISOBAC™ 24V/100W or 160W

Electric frost-free high-density polyethylene (HDPE) double drinking trough with constant low water level.

**High flow rate:** The water is replaced 100 times/day.

Your animals always have pure water.

Connection ½" (15x21). Stainless steel braided hose included.

To mount on a concrete base or on dumping frame A371.



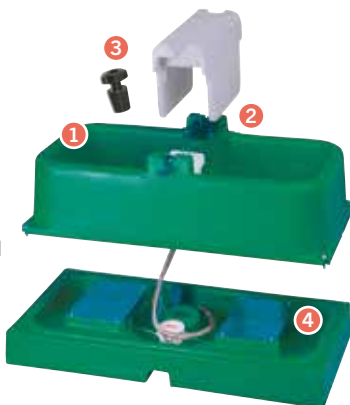
Dimensions: L. 960 x W. 450 x H. 420 mm



34 l/mn at 3 bars



- 1 Trough in double-walled HDPE.
- 2 34 l/mn. valve. ½" stainless steel braided hose included.
- 3 Easy cleaning : no nooks and crannies.
- 4 2 heating elements 50W or 80W.



REF.	DESIGNATION
1649	Double drinking trough with heating elements 24 V - 100 W (2 x 50 W)
1603	Same as 1649 with heating elements 24 V - 160 W (2 x 80 W) (northern countries)

## CLEANO-BAC

Same specifications as ISOBAC™ without heating base.

Dimensions: L. 955 x W. 450 x H. 315 mm



REF.	DESIGNATION
1690	Double drinking trough without heating element

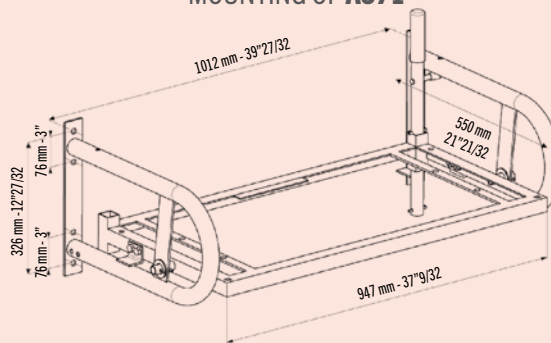


## + ACCESSORIES



REF.	DESIGNATION
A371	Dumping frame for ISOBAC™ and CLEANO-BAC - wall mounting - Removable handle, left or right. Galvanised steel.
A503	Transformer 230V/24V, European norm - 200 VA for ISOBAC™ with heating cable C162
A532	Remote thermostat for frost-free electric waterers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
A613	Low pressure valve (blue) for water supply by gravity (<1 bar or 14.5 psi)
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply.

### MOUNTING OF A371



### DID YOU KNOW ?

ISOBAC™ and CLEANO-BAC, always pure drinking water guaranteed by:

- Good water replacement with high flow rate (34 l/mn valve)
- Little remaining water (15-40 l. subject to the setting of the float).
- Easy to clean, smooth walls without nooks and crannies.





# FROST-FREE WATERERS WITHOUT ELECTRICITY

PATENT FR2834613; US6732674; CA1385911



## Why choose THERMOLAC™?

LA BUVETTE's best seller has 4 major advantages:



French quality product



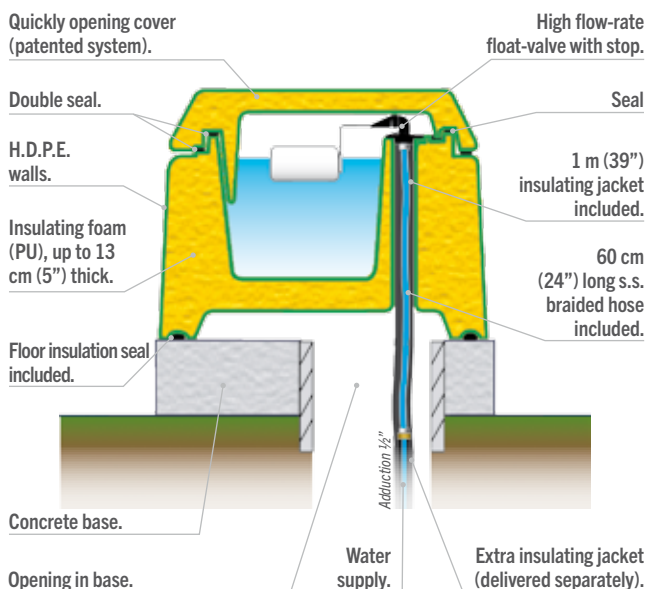
Patented innovation



5 years guarantee against all manufacturing defects



LA BUVETTE advice and service



## + ACCESSORIES



A613



A456

REF.	DESIGNATION
A613	Float valve for low pressure (blue color) for water supply by gravity (<1 bar (14.5 psi))
A456	Extra insulating jacket of 1 m (39,4").

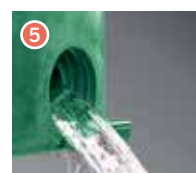
## THERMOLAC™ 40GV & 75GV

**Non-electric frost-free drinkers, perfect for both outdoor and indoor use.** They work according to the Thermos flask principle: a double food-safe HDPE wall is insulated with polyurethane foam. The water is kept at 3-5 °C in winter and 10-12 °C in summer.

Single version (40) for 15 animals or double (75) for 30 animals.



34 l/mn at 3 bars



- 1 Frost free down to -30 °C thanks to high-quality insulation material. Fresh water during summer.
- 2 Balls of THERMOLAC™ are also filled with insulating polyurethane foam. They are very easy to push by cows or by horses. Water is protected against mosquitos and wild animals.
- 3 34 l/min (at 3 bars) float valve. djustable water level without tool.
- 4 Pre-installed 1/2" stainless steel braided hose, insulating jacket and ground insulation supplied with the drinker (bottom view).
- 5 Their large insulated drain plugs - Ø100 mm (4") allow cleaning without the need to remove the cover.
- 6 Quickly and complete opening patented system.

### REF. DESIGNATION

1671	Frost-free non-electric 75 L waterer with 2 balls, float valve for standard pressure
1672	Frost-free non-electric 40 L waterer with 1 ball, float valve for standard pressure

## THERMOLAC™ 40B & 75B

"B" model with 1 or 2 bowls for 15 or 30 cattles, 25 or 50 goats or sheeps.

Frost-free down to -15°C (5°F) depending the number of the animals.



The dish can be removed with a quarter turn.

Same specifications as GV-model.



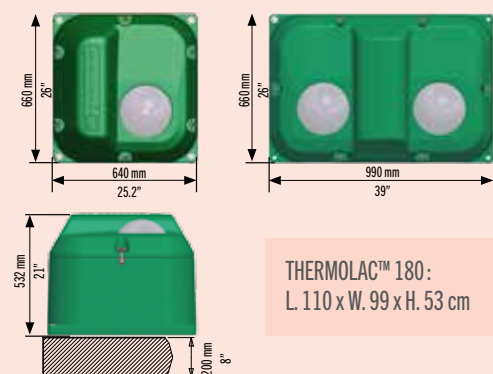
### REF. DESIGNATION

1677	Frost-free non-electric 40 L waterer with 1 dish, float valve for standard pressure
1676	Frost-free non-electric 75 L waterer with 2 dishes, float valve for standard pressure

# FROST-FREE WATERERS WITHOUT ELECTRICITY

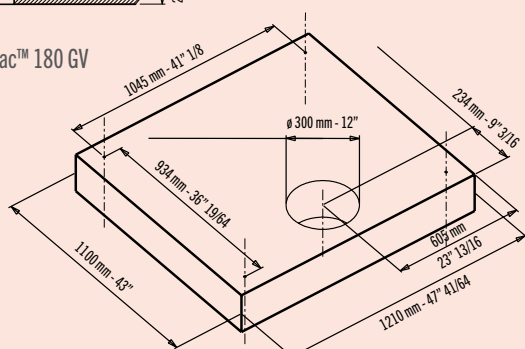
PATENT FR2834613; US6732674; CA1385911

## INSTALLATION: THERMOLAC™

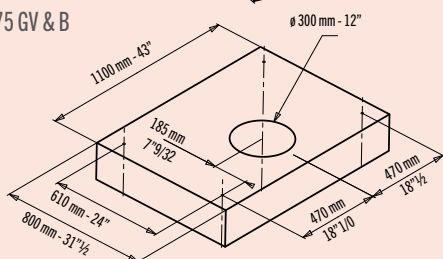


THERMOLAC™ 180:  
L 110 x W 99 x H 53 cm

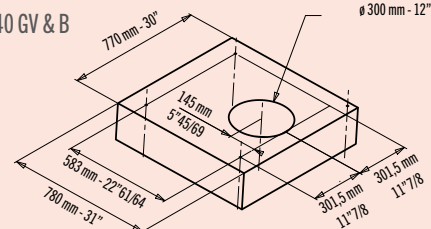
Thermolac™ 180 GV



Thermolac™ 75 GV & B



Thermolac™ 40 GV & B

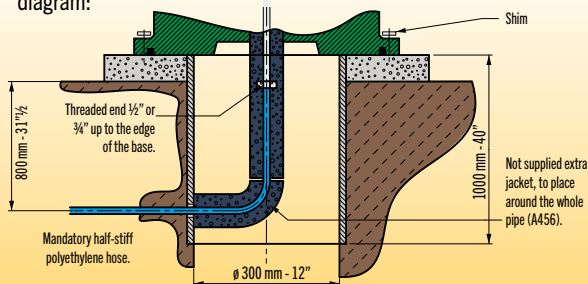


The height of the concrete base depends on the type of animal:  
20 cm (8") for cattle, 35 cm (14") for horses.  
Optional for sheep and goats.



## OUR ADVICE

Make sure that the water supply line is frost-free as shown on this diagram:



## THERMOLAC™ 180GV

Model with 4 insulated balls for 60 heads of big cattle.

Frost-free down to -30 °C (-22°F).

Balls are filled with insulating polyurethane foam.



72 l/mn at 3 bars



72l/mn float valve (from 3 bars) (measured flow rate at 3 bars) with water shut off pin. Adjustable water level without tool.



### REF. DESIGNATION

1680 Frost-free non-electric 180 l waterer with 4 balls, float valve for standard pressure



## 5 YEARS GUARANTEE

The THERMOLAC drinkers invoiced after 01 September 2017 come with a 5-year guarantee against manufacturing defects.

- The screws, dish, seals and pieces of valve are only 1 year guarantee
- The THERMOLAC drinkers have to be correctly filled with water to prevent the animals from damaging the troughs (this damage is excluded from the guarantee).
- The THERMOLAC drinkers are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use other than for watering livestock.



Warranty claims for a THERMOLAC shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged trough and in particular of its date stamp (see picture).

Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-20% per year).



## DID YOU KNOW ?

The large drain hole Ø 100 mm (4") with insulated screwed plug have a cleaning effect:

- Drain time of THERMOLAC™ 40: only 17 secondes !
- reduces to 15 secondes with the two holes of the THERMOLAC™ 75.

Providing cool water when it's hot reduces heat stress and increases milk production and growth rate. (Sources: Wilks, 1990 and Lofgreen, 1975).

More than 2 300 000 animals already drink in a THERMOLAC™ !





# ADVICE FROM LA BUVETTE® ON PASTURE DRINKING SOLUTIONS

Even though the needs of cattle are partially met by the consumption of water-rich grass, the amount of water consumed can be very high due to the sometimes high temperatures during this period of the year. Besides the other common factors responsible for variation (live weight, the amount of food consumed, production level), the water consumption on pasture depends in particular on the dry-matter content of the grass, the presence of shady areas, the temperature and the rainfall. A guaranteed supply of high-quality water in sufficient quantities during the entire grazing season is therefore vitally important for the well-being and productivity of breeding animals. However, direct access of the herd to natural pools and watercourses is a source of sanitary and environmental problems. Furthermore, hauling water becomes more and more expensive. As a specialist in livestock drinking solutions, LA BUVETTE® offers you numerous solutions based on more than 70 years of research and practical experience in the field of livestock watering.

FOR PASTURE



## AVERAGE DAILY WATER CONSUMPTION OF ANIMALS ON PASTURE

LIVESTOCK	AVERAGE	SUMMER PEAK
Dairy cow	55 l/d	125 l/d
Nursing cow	35 l/d	75 l/d
Grass-fed calf (200 kg)	15 l/d	20 l/d
Dry, in-calf cow, ox	35 l/d	70 l/d
Heifer 350-450 kg	30 l/d	50 l/d
Dairy sheep	7 l/d	15 l/d
Nursing ewe + lamb	6 l/d	12 l/d
Dry ewe	3 l/d	6 l/d
Dairy goat	5 l/d	12 l/d
Dry goat	3 l/d	6 l/d
Adult horse	20 l/d	45 l/d
Lactating mare	30 l/d	55 l/d

(Considering a diet consisting exclusively of grass.)

Cattle on pasture generally goes drinking 2 to 5 times a day, but this can increase up to more than 10 times a day. Dairy cows have the tendency to go drinking more often than nursing cows and the drinking frequency increases with the rise of the temperature and the proximity of the water access point.

## HOW TO CHOOSE THE LOCATION OF THE DRINKERS

Ideally, the maximum distance between the drinking point and the farthest end of the pasture is 200 m. Especially dairy herds visit the remote areas of the pasture less frequently when the distance is beyond 400 m. Moreover, during very warm periods (> 28 °C), instead of moving around the fields, they gather in the shady areas and don't go drinking if the drinking point is too far away. However, it is not advisable to install the drinker in the shade in order to avoid pushing and monopolisation by the dominant animals. For the same reason, you should absolutely avoid placing the drinker in a dead end area.

## HOW TO DIMENSION THE SYSTEM VOLUME/FLOW RATE/ACCESS

It has been proven that cattle prefer to drink from large troughs (500 litres) rather than from small ones (300 litres) and that they consume up to 20% more water. It is preferable to multiply the number of drinkers rather than increase the volume of just one and to install them at a distance of some ten metres from each other to reduce pushing. The flow rate of the drinker shall be sufficient to avoid that the animals empty it completely, move it around or damage the connections. A low flow rate can be compensated by increasing the volume of the available water.

## MILKING ROBOT: ALLOW DRINKING ON PASTURE

Several experiments carried out in this field show that allowing cows exclusively access to water indoors or both outdoors and indoors gives the same production performance. On the other hand, when cows have a drinker in their pasture, they spend more time grazing and less time moving to the building and back. For these different reasons and for the well-being of the dairy cows, LA BUVETTE recommends to always give them access to drinking points on pasture even when they have to go to a milking robot.

## PROVIDING WATER IN ROTATIONAL GRAZING SYSTEM

A well-organised water provision in a rotational grazing system allows to optimise the access to the water while limiting the investment costs. It would be a mistake to use only one water point placed in a narrow corridor linking several parcels. This lay-out favours competition and increases the distance the animals have to walk to go drinking.

### • For small herds (up to 20 heads of cattle):

A good solution would be to move a small trough together with the animals. A model with double access and high flow rate (30 l/min) such as the PREBAC 70 (p. 46) is perfectly suited. It should preferably be placed at mid-length of the pasture. In this case, one water supply line with shut-off valve is necessary for each pasture.

### • For larger herds:

One big circular drinking trough could be placed in the centre of a drinking area (sufficiently spacious to avoid pushing) situated at the junction between 4 parcels. This solution requires only one water supply.



## REGULATIONS FOR DRINKING POINTS ON PASTURE

Every drinking solution has its advantages and limitations. To determine the system most suitable for your needs and the environment, you should take several criteria into account:

- the characteristics of the pasture (dimensions, topography and remoteness)
- the herd's water needs (depending on the type of livestock, the number of animals and their physiological state)
- the technical specifications of each solution
- the desirable investment level
- the working habits of the breeder
- the technical skills of the breeder (installation and maintenance).

In general, it is preferable to slightly overdimension the drinking system in order to guarantee the water supply, to avoid too long waiting times and crowding, even in extreme conditions. We recommend:

- placing the troughs at a distance of some ten metres from each other to reduce competition among the animals
- bringing in the material before the winter in flood risk areas
- choosing the right hose diameter and providing a drain system for in winter
- fastening the troughs to the ground so the animals cannot move them when empty

You can find more tips in our Pasture Watering Guide Book available on demand.

# VERY STURDY OVAL POLYCHOC™ POLYETHYLENE TROUGHS



## Why chose a PREBAC?

Benefit from the advantages of the reference on the market:



French quality product



10 years guarantee against all manufacturing defects



Reliable and food-safe



LA BUVETTE advice and service

## + ACCESSORIES



A603



A617



B121



A622

32 l/mn at 3 bars

REF. DESIGNATION

A603	32 l/mn (at 3 bars) float valve for PREBAC. (max. pressure: 6 bars) - 1/2" male brass elbow fitting included.
A617	Same as A603, but low pressure (<1bar-14.5psi)(blue) for supply by gravity
B121	Anchoring set for PREBAC trough
A622	Saving set: Anti-drowning escape ramp for PREBAC to preserve wild animals



## 10 YEARS GUARANTEE

The PREBAC troughs that are invoiced after 1 September 2017 have a 10-year guarantee (instead of 8 previously).

- The PREBAC drinking troughs have to be correctly filled with water to prevent the animals from damaging the troughs (these damages are excluded from the guarantee). We also recommend the use with an A603 or A617 set.
- The PREBAC drinking troughs are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for watering livestock.

Warranty claims for a PREBAC shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged trough and in particular of its date stamp (see 6). Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-10% per year).

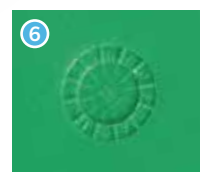
## OVAL PREBAC

The PREBAC troughs are non-deforming, sturdy, practical as well as light thanks to the special material of which they are made: **POLYCHOC™ polyethylene**. This pure high-density polyethylene is food-safe, UV-resistant and recyclable.

Oval models of 950, 550 and now 400 litres.  
Valve sold separately (Ref. A603 or A617).



**Model 400 l,**  
**height 40 cm** designed  
for sheep and ponies.



- These sturdy troughs keep their shape when filled.
- Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
- Easily loaded and transported on board of a vehicle.
- Large rectangular quick discharge "VIDE-VITE". Quick and easy to clean.
- Ground anchoring possible (with set B121, sold separately).
- Production date.

REF. DESIGNATION

2269	Polychoc 400 l. trough - L. 147 x l. 105 x H. 40 cm (L. 57.9" x W. 41.3" x H. 15.7")
2275	Polychoc 550 l. trough - L. 147 x l. 105 x H. 60 cm (L. 57.9" x W. 41.3" x H. 23.6")
2278	Polychoc 950 l. trough - L. 203 x l. 115 x H. 60 cm (L. 79.9" x W. 45.3" x H. 23.6")



# VERY STURDY CIRCULAR POLYCHOC™ POLYETHYLENE TROUGHS

FOR PASTURE



## PREBAC 400 > 1500L

Circular troughs in Polychoc™ HDPE to water herds of cattle or horses on pasture (Not suitable for indoor use).

Renowned quality for more than 25 years.  
10 years guarantee against all manufacturing defects.

Valve sold separately (Ref. A603 or A617).



- 1 Very sturdy inside edge.
- 2 Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
- 3 Large rectangular quick discharge "VIDE-VITE". Quick and easy to clean.
- 4 Ground anchoring possible (with set B121, sold separately).



REF.	DESIGNATION
2221	Polychoc BS 400 L trough - Ø 108 x H. 60 cm (Ø 42.5" x H. 23.6")
2223	Polychoc BS 600 L trough - Ø 130 x H. 60 cm (Ø 51.2" x H. 23.6")
2225	Polychoc BS 800 L trough - Ø 150 x H. 60 cm (Ø 59.1" x H. 23.6")
2227	Polychoc BS 1000 L trough - Ø 160 x H. 60 cm (Ø 63" x H. 23.6")
2261	Polychoc BS 1200 L trough - Ø 180 x H. 60 cm (Ø 70.9" x H. 23.6")
2263	Polychoc BS 1500 L trough - Ø 200 x H. 60 cm (Ø 78.7" x H. 23.6")



TEST PERFORMED ON A NEW PREBAC  
UNDER THE SUPERVISION OF BAILIFF VERRIER  
(Acknowledgement report available on request)

**The Colour Has Changed, the Quality Hasn't!**



## + ACCESSORIES



REF.	DESIGNATION
A603	32 l/mn (at 3 bars) float valve for PREBAC. (max. pressure: 6 bars) - 1/2" male brass elbow fitting included.
A617	Same as A603, but low pressure (<1bar-14.5psi)(blue) for supply by gravity
B121	Anchoring set for PREBAC trough
A622	Saving set: Anti-drowning escape ramp for PREBAC to preserve wild animals



### DID YOU KNOW ?

A dairy cow exclusively feeding on grass in the pasture drinks an average of **55 litres** of water per day. On hot summer days, the daily water intake can increase up to **125 litres**. Therefore, the troughs should be sufficiently proportioned to not impair the production.

Ask the LA BUVETTE dealer or representative in your region for advice.



# VERY STURDY RECTANGULAR POLYCHOC™ POLYETHYLENE TROUGHS

## PREBAC 70L

Double drinker with constant water level of 70 litres, made of HDPE Polychoc™ for watering herds of cattle, sheep or horses both outdoors and indoors. 10 years guarantee against all manufacturing defects.



32 l/mn at 3 bars



- 1 Very sturdy inside edge.
- 2 Float-valve with high flow rate or low pressure included.
- 3 Large rectangular quick discharge "VIDE-VITE".
- 4 2 anchor points for floor mounting or on concrete base.

### REF. DESIGNATION

2219	Polychoc 70 l. trough - L. 106 x W. 37 x H. 31 cm - Float-valve included - Connection ½" (15x21)
2217	Same as 2219 but for low pressure (<1bar-14.5psi)(blue) for supply by gravity

## PREBAC 90L

**Special type for sheep, capacity 90 litres.**  
Low water level. Antiskid bottom. Included float-valve with cover. **Suitable for 50 sheep.**  
For floor mounting: 4 anchor points.  
**10 years guarantee against all manufacturing defects.**



8 l/mn at 3 bars



### REF. DESIGNATION

2253	Polychoc 90 l. trough - L. 160 x W. 48 x H. 46 cm - Float-valve included - Connection ½" (15x21)
------	--



### OUR ADVICE

It is necessary to anchor the rectangular PREBAC troughs firmly to the floor. Each model has several mounting points.

## PREBAC R

Rectangular floor-mounted troughs made of HDPE Polychoc™ for watering cattle, sheep or horses both outdoors and indoors.

10 years guarantee against all manufacturing defects.

Valve sold separately (Ref. A603 or A617).



- 1 Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
- 2 Large rectangular quick discharge "VIDE-VITE".
- 3 Multiple anchor points.
- 4 200 l. R model, special for sheep: height 44 cm

### REF. DESIGNATION

2237	Polychoc BS 190 L R trough - L. 90 x W. 64 x H. 66 cm - L. 35.4" x W. 25.2" x H. 26"
2231	Polychoc BS 200 l. R trough - L. 160 x W. 46 x H. 44 cm - L. 63" x W. 18.1" x H. 17.3"
2235	Polychoc BS 400 l. R trough - L. 165 x W. 66 x H. 66 cm - L. 65" x W. 26" x H. 26"

## + ACCESSORIES



32 l/mn at 3 bars



A603



A617



A622

**Anti-drowning ramp A622 saving set:** Preserves both the animal wildlife and the water hygiene. Designed in cooperation with naturalist J-F. NOBLET. Patent Fr.1052046.

### REF. DESIGNATION

A603	32 l/mn (at 3 bars) float valve for PREBAC. (max. pressure: 6 bars) - ½" male brass elbow fitting included.
A617	Same as A603, but low pressure (<1bar-14.5psi)(blue) for supply by gravity
A622	Saving set: Anti-drowning escape ramp for PREBAC to preserve wild animals



# OVAL AND CIRCULAR TROUGHS MADE OF POLYETHYLENE OR GALVANISED STEEL



## INTERBAC 600>1500L

Circular troughs in HDPE to water herds of cattle or horses on pasture. (Not suitable for indoor use).



- 1 Place provided for an optional constant level valve (A623).
- 2 Threaded Ø50 mm drain plug with storage position.

REF.	DESIGNATION	PACKAGING
2697	INTERBAC 600 L - Ø 140 x H. 60 cm (Ø 55.1" x H. 23.6")	Pile of 5
2698	INTERBAC 1000 L - Ø 170 x H. 60 cm (Ø 66.9" x H. 23.6")	Pile of 5
2699	INTERBAC 1500 L - Ø 210 x H. 60 cm (Ø 82.7" x H. 23.6")	Pile of 5

## + ACCESSORIES

26 l/mn at 3 bars



REF.	DESIGNATION
A623	Float set for INTERBAC. Delivered with stainless steel cover. 1/2" male connection.
A622	Saving set: Anti-drowning escape ramp for pasture trough to preserve wild animals



## 3 YEARS GUARANTEE

- The INTERBAC drinking troughs have to be correctly filled with water to prevent the animals from damaging the troughs (this damages are excluded from the guarantee). We also recommend the use with an A623 set.
- The INTERBAC drinking troughs are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for watering livestock.

Warranty claims for a INTERBAC shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged trough and in particular of its date stamp.

Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-33% per year).

## OVAL INTERBAC

Easily loaded and transported on board of a vehicle. Characteristics and 3 years guarantee identical to round INTERBAC.



- 1 Special design for better stability.

REF.	DESIGNATION	PACKAGING
2695	INTERBAC OVAL 600 L - L. 170 x l. 104 x h. 63 cm (67" x 41" x 25")	Pile of 5
2696	INTERBAC OVAL 900 L - L. 209 x l. 114 x h. 63 cm (82" x 45" x 25")	Pile of 5

## GALVANISED TROUGHS Z

Conical troughs in galvanised steel to supply water for cattle and horses on pasture. (Not suitable for indoor use).

Sold in a pile of 10.



- 1 Strong and secure edge made of welded tube. Hoisting eyes.
- 2 Brass bulkhead drain with larger flange for increased tightness.

REF.	DESIGNATION	PACKAGING
G103	600 L Galvanised Trough - Ø 138 x H. 53 cm (54" x 21")	Pile of 10
G105	1000 L Galvanised Trough - Ø 162 x H. 62 cm (64" x 24")	Pile of 10

## ECO TROUGHS 400>1500L

Partially recycled, round troughs for watering cattle, sheep or horses outdoors. (Not suitable for indoor use).

Sold in a pile of 10.



REF.	DESIGNATION	PACKAGING
E101	ECO TROUGH 400 L - Ø 130 x H. 40 cm (for sheep and goats)	Pile of 10
E102	ECO TROUGH 600 L - Ø 140 x H. 60 cm	Pile of 10
E103	ECO TROUGH 1000 L - Ø 170 x H. 60 cm	Pile of 10
E104	ECO TROUGH 1500 L - Ø 210 x H. 60 cm	Pile of 10

# FLOAT VALVES



## LACABAC

Float-valve unit in stainless 10/10 steel to be mounted on all types of drinking troughs. Large mounting brackets.

Synthetic valve, rustproof, regardless of the water quality. The height of the float valves can be adjusted without tools. Individual water shut-off without extra shut-off valve.

Model with very high flow rate for standard pressure:  
**72 litres/minute at 3 bars.**



Connection 1/2" (15x21) or 3/4" (20x27) male, straight or elbow fitting.

One per carton



REF.	DESIGNATION	PACKAGING
A672	Model with very high flow rate: 72 l/mn at 3 bars (19 USG/mn at 40 psi) Small mounting brackets. Connection 3/4".	Carton apiece
A601	Model with high flow rate 26 litres/minute at 3 bars (7 USG/mn at 40 psi) Large stainless steel brackets (green box) - Connection 1/2".	Carton apiece
A605	Model with high flow rate 26 litres/minute at 3 bars (7 USG/mn at 40 psi) Small mounting brackets (yellow box) - Connection 1/2".	Carton apiece
A608	Model for low pressure (< 1 bar) for supply by gravity - 15 l/mn at 0,5 bars (4 USG/mn at 7 psi). Large s.s. brackets (red box) - Connection 1/2".	Carton apiece



### OUR ADVICE

The LACABAC has proven its efficiency for many years. Install the new 72 l/min model for big herds that require the trough to be filled quickly. Its high flow is guaranteed by LA BUVETTE.

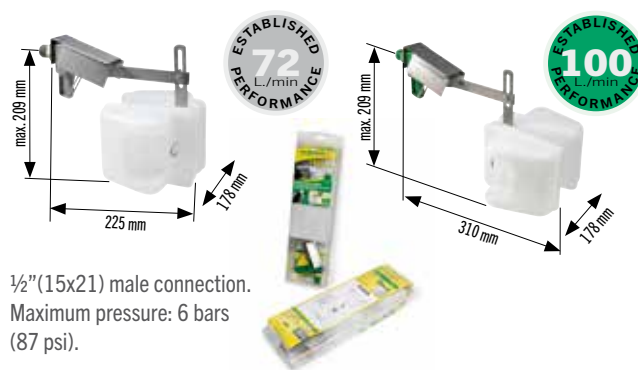
## HIGH FLOW RATE VALVES

Reliable and durable, synthetic and stainless steel valve, rustproof, designed to fill drinking troughs or tanks in record time.

**Measured flows: 72 and 100 litres/minute from 3 bars.**

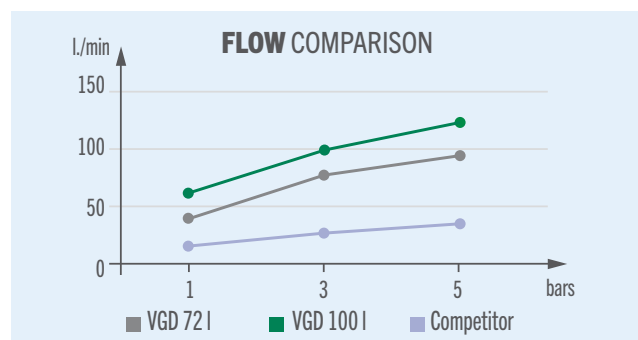
(19 and 26.4 USG/mn from 43.5 psi)

Adjustable water level without tool.



1/2" (15x21) male connection.  
Maximum pressure: 6 bars  
(87 psi).

REF.	DESIGNATION	PACKAGING
A628	VGD 72 l/mn valve (grey jet)	Blister
A629	VGD 100 l/mn valve (green jet)	Blister



## FLOAT VALVES



REF.	DESIGNATION
A603	32 l/mn (at 3 bars) float valve for PREBAC. (max. pressure: 6 bars) - 1/2" male brass elbow fitting included.
A617	Same as A603, but low pressure (<1bar-14.5psi)(blue) for supply by gravity
A623	Float set for INTERBAC. Delivered with stainless steel cover. 1/2" male connection.
A613	Float valve for low pressure (blue color) for water supply by gravity (< 1 bar (14.5 psi)). For THERMOLAC (p.40), CLEANOBAC and ISOBAC (p.39)
A614	Same as A613 for BIGLAC 25, BIGLAC 55 M, BIGLAC 90 (p. 9)
A615	Extra float valve to connect GV150, GV230 and GV300 drinkers (p.32) and milkcooler in low pressure.
A384	Extra float valve for MULTI-TWIN (p.36)





# PASTURE PUMPS



VIDEO TUTORIAL  
on facebook  
/labuvette.bovin

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## AQUAMAT™ II

Pasture pump with very easily operated mechanism that has been tried and tested for over more than 20 years, for cattle and horses.

Pumps up to 7 m (23') depth  
or 70 m length (76 yd).

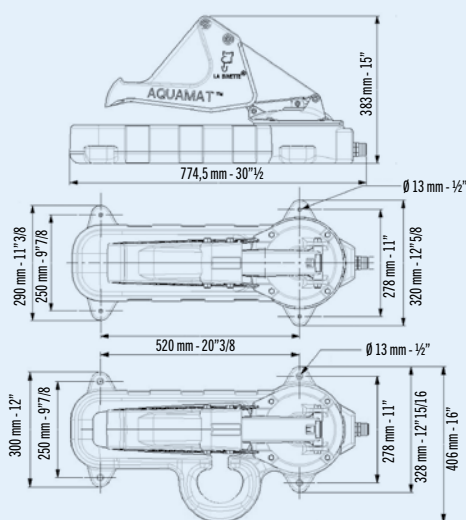
Flow rate of 0,5 l  
(0,13 USG)/pushing.



- 1 Trough in polyethylene: Rust-resistant, UV-resistant and unbreakable, whereas the cast trough.
- 2 Learning process facilitated by small water reserve visible on the bottom of the bowl.
- 3 The push rod surrounds the mechanism to avoid accidents.
- 4 Reliable and sturdy: Ø 12 mm (0.5") axle.

REF.	DESIGNATION	PACKAGING
2209	Pump alone with fitting 1" MM (26x34 mm)	
2213	Pump with strainer + 2 fluted fittings	Carton apiece
2214	Pump with strainer + 2 screwed fittings + suction hose 7 m	Carton apiece

### INSTALLATION: AQUAMAT™ II & II NC

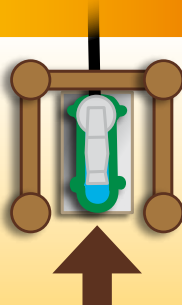


### OUR ADVICE

To protect the pump and help the animals learn, you can install wooden barriers next to and behind the pump to guide their access to it from the front.

Make sure to firmly secure your Aquamat™ pump to the soil or to a support.

One Aquamat™ suits for 10 animals.



## AQUAMAT™ II NC

Identical to the AQUAMAT™ II with integrated bowl for baby snouts, specially designed for cows and mares followed by their young.



- 1 Integrated educational bowl for calves of up to 10 months.
- 2 Design preventing the calf to put its muffle between the push rod and the trough.

REF.	DESIGNATION
2215	Pump alone for Nursing Cows
2216	Pump for nursing cows with strainer + 2 screwed fittings
2207	Pump for nursing cows with strainer + 2 screwed fittings + suction hose 7 m

## + ACCESSORIES



REF.	DESIGNATION
B105	Brass and stainless steel strainer with non return valve
B106	Threaded fitting M26x34 (1") for flexible hose (with inner Ø of 32 mm (1.25"))
B107	Threaded fitting MM 26X34 (1")
B110	Suction set, complete (7 m (23') hose + strainer + fittings)

FOR PASTURE



# DRINKING TROUGH FOR TANKS AND SELF-SUPPORTING TANKS

## BIGLAC 55T

Double deep drinking trough for water bowser, in H.D.P.E. with constant water level.

Low pressure float-valve (works from 0 to 1 bar (14 psi)).

Suitable for 20 heads of cattle.

Capacity 55 litres.

15 l/mn at 0,2 bar



1 With broad edge reducing spills by lapping.

2 Two drain plugs without tool.

3 Galvanised mounting frame

Dimensions:  
86 x 38 x 30 cm  
(33.9 x 15 x 11.8")

Directly connected to the metal outlet of the tank by means of a bolt or 1/2" (15x21) from behind.

Can also be mounted on a slurry tank with the adapter (B201).

REF. DESIGNATION

1650 Double trough in H.D.P.E. with low pressure valve for water bowser

## GALVALAC 65T

Z

Double trough in galvanised steel with constant level for water bowser.

Low pressure float-valve (works from 0 to 1 bar (14 psi)).

Suitable for 20 heads of cattle.

Capacity 65 litres.

Hot-dip galvanised after manufacture.

15 l/mn at 0,2 bar



The valve can be secured with a chain during transport.  
Rounded shape, easy maintenance.  
5 attachment points to the tank. Seal supplied.  
Drain system without tools.

NEW

REF. DESIGNATION

G100 Double GALVALAC 65T drinker for water bowser

## + ACCESSORIES

Adapter made of galvanised steel for converted slurry tank.

Entry diameter: Ø150 mm (6")

Outlet to BIGLAC 55 T: Ø38 mm (1.4")



B201

REF. DESIGNATION

B201 Adaptor for slurry tank, entry Ø 150 mm (6")

## WATER TANKS

Tanks made of one-piece 100% pure polyethylene appropriate for food and treated against ultraviolet light.

Standard models for water storage (density 1).

Reinforced models for liquids up to density 1,5.



1 Screw cap with external thread, Ø400 mm (15 3/4") (Ø 130 mm (5 1/8") on 140 l, 270 l and 450 l), for easy cleFoaming and removing impurities.

2 Filler cap Ø 130 mm (5 1/8") on tanks of 1800 l, 2900 l, 4000 l and 5600 l.

3 PVC quarter turn valve at the bottom: DN 20 mm (3/4") for 140 l, 270 l and 450 l. DN 40 mm (1 1/2") for 650 l and 1200 l. DN 50 mm (2") for 1800 l, 2900 l, 4000 l, 5600 l. 3/4" plug for complete emptying or for connection of accessories (waterer, etc).

4 Anti-rocking design.

5 It is possible to mount an high flow-rate float-valve, A628 or A629. See page 50. (except for 450, 270 and 140 l. models).

REF.	DESIGNATION	WEIGHT	L (mm)	W (mm)	H (mm)
B220	Tank 140 l	11	800	520	630
B227	Tank 270 l	15	1000	610	800
B221	Tank 450 l	23	1100	650	800
B222	Tank 650 l	34	1520	760	840
B223	Tank 1200 l	57	1700	900	1050
B224	Tank 1800 l	80	2200	1170	1250
B225	Tank 2900 l	130	2550	1300	1350
B228	Tank 4000 l	190	2400	1680	1665
B210	Reinforced tank 140 l	13	800	520	630
B217	Reinforced tank 270 l	17	1000	610	800
B211	Reinforced tank 450 l	26	1100	650	800
B212	Reinforced tank 650 l	38	1520	760	840
B213	Reinforced tank 1200 l	65	1700	900	1050
B214	Reinforced tank 1800 l	88	2200	1170	1250
B215	Reinforced tank 2900 l	140	2550	1300	1350
B218	Reinforced tank 4000 l	210	2400	1680	1665
B216	Reinforced tank 5600 l	255	3225	1640	1620



## OUR ADVICE

Installation:

- On a concrete floor or vehicle platform fit for any kind of supporting surface.
- Underground: special model made to order (Extension available in option). Ask for our advice.





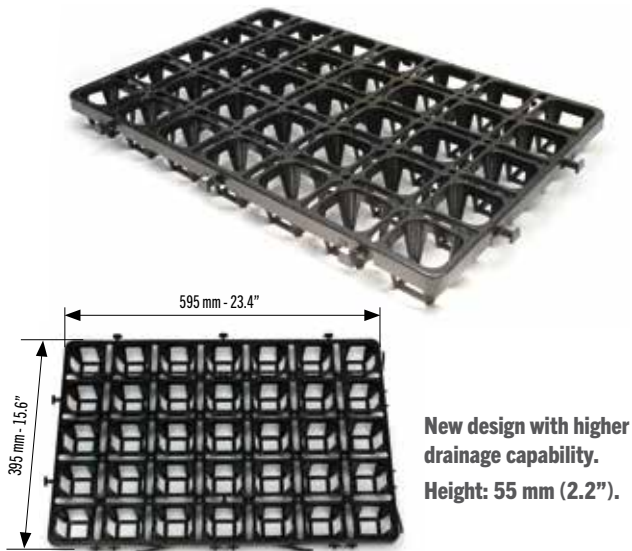
## STABILISATION GRIDS

System to stabilise and reinforce the soil structure and improve its natural qualities.

- **Bearing capacity:** the weight of the animal is distributed over all tiles under the hooves: 1 m<sup>2</sup> (10 sq.ft) instead of 1.80 m<sup>2</sup> (28 sq."")(4 hooves x 45 cm<sup>2</sup> (7 sq."").
- **Permeability:** the soil is not compressed by the hooves, but remains permeable, both for precipitation water and for urine and faeces.
- **Filtration:** the filtering capacity of the soil and the herbaceous layer is preserved thanks to the total or partial recovery around the drink and feed places.

For the most heavily trampled areas.

The tiles are easily clipped together.



New design with higher drainage capability.  
Height: 55 mm (2.2").

The grid structure evenly distributes the weight of the animals and protects the bottom layer.

- 1 The stabilising grids are overgrown with grass.
- 2 The stabilising grids are overgrown with grass.
- 3 Geomembrane (optional).
- 4 Expansion joint.



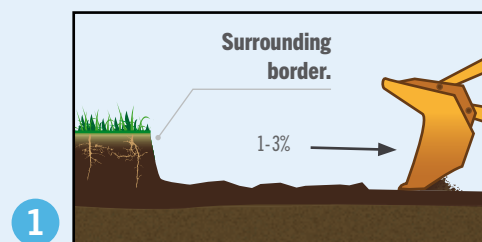
REF.	DESIGNATION
D250	4 stabilisation grids (1 sq.m)

## OUR ADVICE

- Install stabilising grids in heavily trampled areas: in front of the building, around drinkers and feed racks and on access roads.
- The surface area to be covered depends on the length of the animals. For cattle and horses, it is recommended to install at least 3 m of tiles around the gathering points (drinker, feed rack...) For sheep and goats, approximately 2 m will do.
- On clayish soils or if you want to restrict revegetation on the stabilised area, first place a geomembrane on the bottom before filling it up with rubble. Note that this prevents deep rooting.

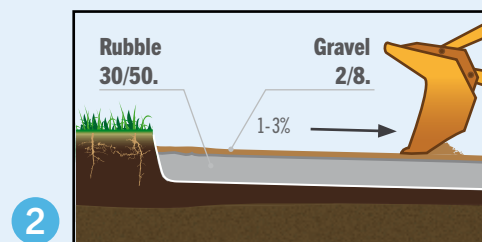


## INSTALLATION



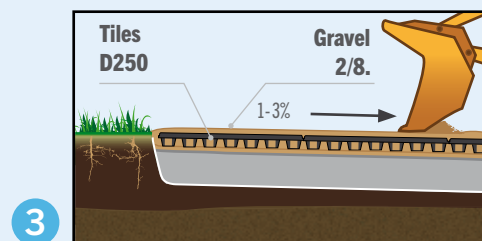
1

Before installing the LA BUVETTE® ground covering and before starting the works, the surface has to be sufficiently dry and have an inclination of 1 to 3 % according to the composition of the soil.



2

Install a permeable layer of rubble size 30/50, then level the surface with an appropriate machine. Install a 1 to 2 cm thick final layer of gravel size 2/8.



3

Install the first tile (D250) into a corner with the hooks pointing in the direction of the surface to be covered and proceed diagonally.

Leave an expansion joint of 2 to 3 cm between the border and the outer tiles. Fill the tiles (D250) immediately after installation with a permeable material (gravel 2/8).

Provide some extra filler material to compensate for soil compaction during the first weeks after installation (1 to 2 cm).

**IMPORTANT:** Surround the stabilised area with a border to make sure that the outer tiles cannot move. If the borders are subject to intensive use, the outer tiles can be anchored with foundation bolts.



# ADVICE FROM LA BUVETTE® ON SOLAR DRINKERS AND SOLAR PUMPS

FOR PASTURE

Based on LA BUVETTE® technological know-how, the SOLAR-FLOW™ range of autonomous solar powered drinkers and pumping stations meet the needs of farmers with herds far from the farm since 2003.



## THE MORE THE SUN SHINES, THE MORE THE ANIMALS DRINK AND THE MORE WATER THE PUMP SUPPLIES.

Since 2003, numerous users have been convinced by the performance and reliability of SOLAR-FLOW™. No need to worry anymore about the water supply when there is already a work overload in summer. No risk of water shortage and the animals no longer come rushing when the tractor arrives! Taking into account the fuel and time saved, a SOLAR-FLOW™ system pays off within a few seasons.

The LA BUVETTE® consultant technicians are available at **0033 324 523 723** to help you choose and start up the best installation for your animals.

## ONLINE SOLAR-FLOW TOOL: YOU'RE HESITATING? DO THE MATH!



The online SOLAR-FLOW tool provides you in a few clicks with all information you need to choose the watering system that matches your needs and constraints.

The tool calculates for you the amount of water your animals need, the necessary pump performance, the water hauling cost and after how many seasons you start saving with your SOLAR-FLOW.

[www.labuvette-waterers.co.uk/solarflow-en](http://www.labuvette-waterers.co.uk/solarflow-en)



## ADVANTAGES OF SOLAR-FLOW™ SYSTEMS

- Unparalleled performance (flow rates, pumping depth, battery life).
- Reliability: Pioneer in the field of solar watering solutions, LA BUVETTE draws on more than 10 years' experience.
- "All-in-one" or modular solutions.
- Advice from specialists and the LA BUVETTE After Sales Department.
- Reduced maintenance: maintenance of the immersion pump every 2 - 5 years depending on the quality of the water in the borehole.
- Anti-theft systems: self-breaking nuts + padlock supplied
- Subsidies possible from agencies for the protection of rivers and water courses.
- Rapid return on investment.



# DRINKING TROUGHS WITH SOLAR PUMPS AND BATTERIES



## SOLAR-FLOW™ 1500 L

**Autonomous solar-powered drinker with two batteries.** The pump is powered by the batteries, which are recharged by the solar panels.

**The Solar-Flow™ 1500 L** model pumps up to **3500 litres/day** during the high season. It covers the consumption of a herd of **30 dairy cows or 30 nursing cows with their calves.**

Dimensions: Ø200 x h. 300 cm (Ø79" x H. 10 ft.)

- 1 1500 l. trough (2 x 750) in Polychoc™ HDPE (as PREBAC) Ø 2,00 m. 10 years warranty. Quick draining "Vide-Vite".
- 2 Water level sensors inside the trough initiate the start and stop function of the pump.
- 3 Very powerful immersion pump: Pushes the water up to 50 m vertically (more than 500 m horizontally) and supplies 160 to 360 l/h (depends on the suction depth).



- 4 The central compartment locked by a key protects the 2 batteries and their charge controller. **Autonomy: 10 days** without sun, with a daily consumption of 2500 l/day.
- 5 Solar panels 80 Wp, pole and bracket, with anti-theft nuts.



Minimal well diameter: **120 mm (5")**  
Maximum vertically waterup pushing: **50 m (164 ft)**  
Maximum immersion depth of the pump: **20 m (65 ft)**

### REF. DESIGNATION

2202 Complete pack - Solar pump - Two 750 litres (1500 litres) drinking troughs. Two 12 V batteries and two solar panels 80 Wp

## SOLAR-FLOW™ 900 L

**Autonomous solar-powered drinker with one battery.** The pump is powered by the battery, which is recharged by the solar panel.

**The Solar-Flow™ 900 L** model pumps up to **2200 litres/day** during the high season. It covers the consumption of a herd of **15 dairy cows or 15 nursing cows with their calves.**

- 1 900 l. trough (2 x 450) in HDPE (same as 2202). Diameter 1,60 m. (63")
- 2 Pushes the water up to 20 m vertically (more than 200 m horizontally)
- 3 **Autonomy: 10 days** without sun, with a daily consumption of 1200 l/day.
- 4 Solar panel 80 Wp, pole and bracket

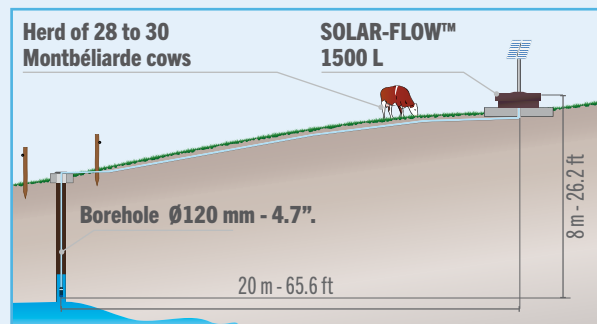


### REF. DESIGNATION

2201 Complete pack - Solar pump - Two 450 litres (900 litres) drinking troughs - One 12 V battery and one solar panel 80 Wp

### EXAMPLE OF INSTALLATION SOLAR-FLOW™ 1500 L

Mr B. SAINT-DIZIER, breeder of Montbéliarde cattle in They-Sous-Montfort (Vosges, France)  
Installation date: 04/2006 Farm - pasture distance: 12 km (7.5 Miles)  
Pasture season: Approximately 50 days Return on investment: 4 seasons



### USER'S OPINION



***I was astounded by its output and reliability***

BERNARD SAINT-DIZIER, BREEDER OF MONTBÉLIARDE CATTLE IN THEY-SOUS-MONTFORT (VOSGES, FRANCE)

*I have been using a Solar-Flow 1500 L since April 2006. As time passed, I was astounded by its output and reliability, which made it earn my confidence. In May 2010, I chose a Solar-Flow 900 L for a group of 18 young cows. I gained a lot of time and no longer had to worry about the water supply. It is a big relief. The pumps are plunged to a depth of 6-8 m in wells at a distance of some twenty metres from the troughs. No need to worry about the Solar-Flow™ drinkers. Even if the sky is overcast, the troughs are full. The animals are calmer, no longer stand around waiting for the tractor to come and there is no more crowding to get water. Even when I only take into account the fuel savings, tractor wear and gain in time (1 hour a day), my Solar-Flow 900 L will be paid off in 3 seasons.*



### OUR ADVICE

Have your pump overhauled regularly (every 2 to 5 years depending on the quality of the borehole). LA BUVETTE offers you a fixed rate for pump maintenance. Take advantage of the low season to have your pump overhauled and have it operational by the next high season... Contact your dealer for advice.



# SOLAR PUMP SETS



## SOLAR-FLOW™ STORAGE



### Complete autonomous solar pump set.

The batteries accumulate energy as soon as the luminosity is sufficient.

Water level sensors activate and stop the pump to avoid overflow.

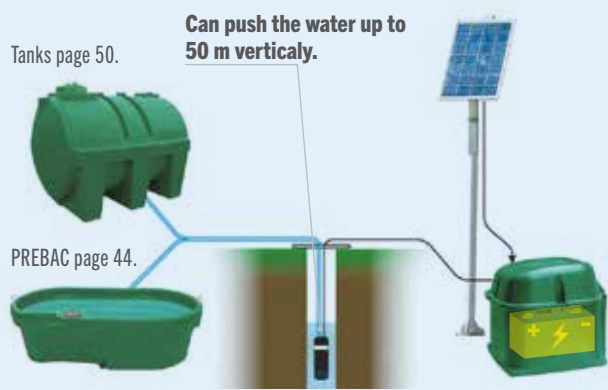
Available in 12 volt and 24 volt models.



### REF. DESIGNATION

- |      |  |
|------|--|
| 2285 | Solar pump set 12 V «Storage»: With one 80 Wp panel, submerged pump, pole, support, cabinet, 12 V battery, electric cables and 25 m (82 ft) stainless steel cable, 25 m (82 ft) hose and water level sensors |
| 2287 | Solar pump set 24 V «Storage»: With two 80 Wp panels, submerged pump, pole, support, cabinet, two 12 V batteries, electric cables and 50 m (164 ft) stainless steel cable, 50 m hose and water level sensors |

### DIAGRAM: SOLAR-FLOW™ STORAGE



### DID YOU KNOW ?

Read the interactive SOLAR-FLOW™ guide on [www.labuvette.com](http://www.labuvette.com)

## SOLAR-FLOW™ SOLAR-POWERED



### Complete solar pump sets without battery.

The pump is activated as soon as the luminosity is sufficient



Minimal well diameter:  
**120 mm ( 5")**

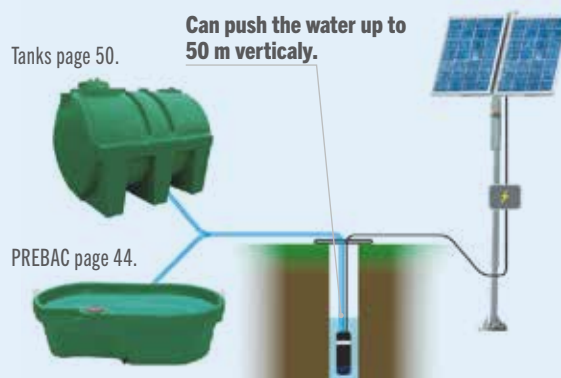
Maximum vertically waterup pushing: **50 m (164 ft)**  
Maxi. immersion depth of the pump: **20 m (65 ft)**



### REF. DESIGNATION

- |      |  |
|------|--|
| 2203 | Solar pump set 24 V «SOLAR-POWERED» with two 80 Wp panels, submerged pump, pole and supports, 1 24 V booster, 50 m (164 ft) hose, fittings and electric cables |
|------|--|

### DIAGRAM: SOLAR-FLOW™ SOLAR-POWERED



## SOLAR-FLOW™ MODULAR



Customised solar watering system:  
Please contact us.



### OUR ADVICE

A SOLAR-FLOW™ «Solar-Powered» pumping station does not store the energy. Therefore, you should provide for a water reserve of sufficient capacity in order to cover several very cloudy days in a row.

A storage tank is better than troughs as a means of storage. It shields the water from light and you will not find any drowning animals in it. This prevents algae growth and water contamination. Depending on the immersion depth, a SOLAR-FLOW™ «Solar-Powered» can pump up 160 to 360 litres per hour. Equip the tank with an overflow system to direct the excess water back to its source.



# TREATMENT THROUGH DRINKING WATER

## AQUAMIX

NEW

Accurate and reliable dosing pump to complement the drinking water in the livestock buildings for cattle.

With its new engine, AQUAMIX is ideal for medication and supplements that require a **high flow rate**: minerals, trace elements, vitamins, liver protectors... It **can handle corrosive treatment products**, but it is not suitable for disinfectants (chlorine and hydrogen peroxide).

**Safety:** The product dose is always based on the flow rate of the water supply.

**No electricity required** (fluid driven).

- 1 Patented mixing system for the water and medication: the product never comes into contact with the motor.
- 2 **NEW** New engine for higher flow rate and maximum increased working pressure.
- 3 The dose is adjusted in a simple and easy manner.

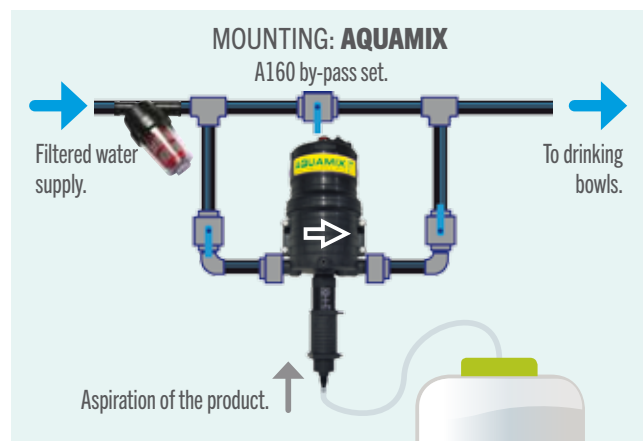


Flow: from 0,06 m³/h to 4,5 m³/h  
Working pressure: from 0,3 to 6,9 bars

Fitting 1" (26x34) MM.

Maintenance sets available: see exploded views of spare parts on [www.labuvette.com](http://www.labuvette.com)

REF.	DESIGNATION
1502	AQUAMIX Dosing pump - doses of 0,3 to 2,5%



## + ACCESSORIES



MANDATORY:



REF.	DESIGNATION
A160	BY-PASS set for Aquamix. Check valve included.
A446	VisiFilter VF6 - 100 micron, 6m³/h - OBLIGATORY ahead of the dosing pump - 1" (26x34) connection

## AQUABLEND

NEW

Accurate and reliable dosing pump to complement the drinking water, especially at a low flow rate.

AQUABLEND is **designed for non-aggressive medicinal treatments**, liquid minerals, trace elements, vitamins, ...

It is ideal for dosing diluted powders and liquid products in the pigsty, the sheep pen and the poultry house.

**Safety:** The product dose is always based on the flow rate of the water supply.

**No electricity required** (fluid driven).

- 1 Powerful even at a low flow rate.
- 2 Easy maintenance, no tools needed.
- 3 The dose is adjusted in a simple and easy manner.



Flow: from 0,01 m³/h to 2,5 m³/h  
Working pressure: from 0,3 to 6,2 bars

Fitting 3/4" (20x27) MM.

Maintenance sets available: see exploded views of spare parts on [www.labuvette.com](http://www.labuvette.com)

REF.	DESIGNATION
1504	AQUABLEND Dosing pump - doses of 0,2 to 2%

## AQUABLEND XTREME

NEW

Accurate and reliable dosing pump for treatments and disinfection, especially at a low flow rate.

The very resistant AQUABLEND XTREME is **specially designed for very corrosive treatments**.

It is ideal for acidification and chlorination, for the hygiene of the milking machines and to clean the water lines and installations.

**Safety:** The product dose is always based on the flow rate of the water supply.

**No electricity required** (fluid driven).

- 1 Casing made of very resistant PVDF, insensitive to strong acids, hydrogen peroxide and chlorine.
- 2 Easy maintenance, no tools needed.
- 3 The dose is adjusted in a simple and easy manner.



Flow: from 0,01 m³/h to 2,5 m³/h  
Working pressure: from 0,3 to 6,2 bars

Fitting 3/4" (20x27) MM.

REF.	DESIGNATION
1505	AQUABLEND XTREME Dosing pump - doses of 0,2 to 2%



### DID YOU KNOW ?

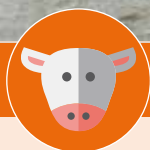
It is mandatory to mount a filter of maximum 100 microns (ref. A446) at the beginning of your installation as well as a 3/4" check valve (ref. 1430203).

# TO HELP YOUR CALVES MAKE A GOOD START IN LIFE

## A well-housed and well-fed calf is a healthy calf

The first months of a calf's life are decisive. Although the breeders already pay a lot of attention to the hygienic and food conditions, they still often forget to think about the housing and its climate. The welfare of the calf is however very important for its health and to ensure its growth. Therefore, the housing is an essential factor to give your calves a good start in life and to ensure the replacement of the herd. With its hutches for all ages, LA BUVETTE helps the breeders give their calves a good start. As a specialist of watering systems, LA BUVETTE offers them powerful solutions for milk distribution as well as water from a very young age on.

FOR CALVES



## A HUTCH FOR ALL AGES

**LA BUVETTE offers the breeders hutches that are adapted to young calves from their birth until they are weaned in order to ensure their safety and good health.**

### MINISTAR up to 4 weeks

Individual starting hutch for calves up to 4 weeks old. This hutch offers all comfort to very young calves, keeping them safe and protecting them from microbes.



SEE P.61



INDIVIDUAL

### MIDDLESTAR from 1 to 2 months

Middlestar is an individual hutch for calves up to the age of 2 months.



SEE P.62



INDIVIDUAL



# FULL RANGE OF BREEDING MATERIAL FOR CALVES

LA BUVETTE offers the breeders comprehensive solutions for breeding calves, including housing, watering as well as maintenance solutions.

## Waterers adapted to calves

With its LAKCHO 2, BABYLAB, LAC 5A and B19, LA BUVETTE offers the breeders a range of waterers that are especially designed for young calves.



Page 8.



Page 16.



Page 24.



Page 66.

## Troughs for small animals

The troughs (ref. D235, D236) are ideal for the distribution of milk and solid food for both indoor and outdoor use.

## A range of accessories to cover all the breeders' needs

LA BUVETTE offers a wide range of buckets for the distribution of milk to young calves: classical buckets of various capacities adapted to the age of the calves (12-litre D149, 16-litre D139), as well as a 9-litre pail with litre scale and nipple for milk distribution (D175). To complete the range of LA BUVETTE products, the breeders can also find accessories such as a polyethylene pail protection (D138). And to clean the nursery, there are also light but sturdy and easy to use rectangular and round brushes, shovels and planes (Ref. A701 to A705).



Page 65.



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Page 60.

## Milchmobil 4x4, all-in-one milk carts

The Milchmobil 4x4 is a motorised "all-in-one" milk shuttle to prepare, mix, heat, transport, meter and distribute milk to young calves more easily and more quickly (ref. D184 and D194)



DISCOVER ALL OUR FENCES AND GATES ON PAGE 65

## LOGISTAR

up to 2 months

Logistar is an oversized individual hutch for calves aged up to 2 months.



SEE P.62



INDIVIDUAL

## SUPERSTAR

from 2 to 6 months

The new SUPERSTAR calf hutch with its rolling fence for 5 animals is specially designed for calves aged from 2 to 6 months. It offers housing comfort to the young calves and easier working conditions for the breeders.



SEE P.63



COLLECTIVE





## 5 TIPS FOR A WELL-HOUSED CALF IN GOOD HEALTH

During the first weeks of its life and even beyond the period of 0 to 4 weeks, when the calf needs special attention and specific care, healthy and comfortable housing conditions are essential. For maximum comfort, 5 criteria must be considered: temperature, ventilation, humidity, location and surface area allocated to each animal.

### 1. TEMPERATURE ADAPTED TO THE AGE OF THE YOUNG CALF AND WITHOUT SUDDEN VARIATIONS

To each age of the calf corresponds a certain temperature range that is well-supported (without draught or high humidity):

- 0 to 25 °C for newborns (younger than 24 hours)
- -10 to 30 °C for calves younger than 3 months
- -15 to 35 °C for calves older than 6 months

Besides low temperatures, it is even more important to avoid sudden variations in temperature and the variation between the day and night time temperature should not exceed 15 %. Significant temperature variations can lead to a weakening of the defence system and affect the digestive process.

### 2. AIR RENEWAL WITHOUT DRAUGHT

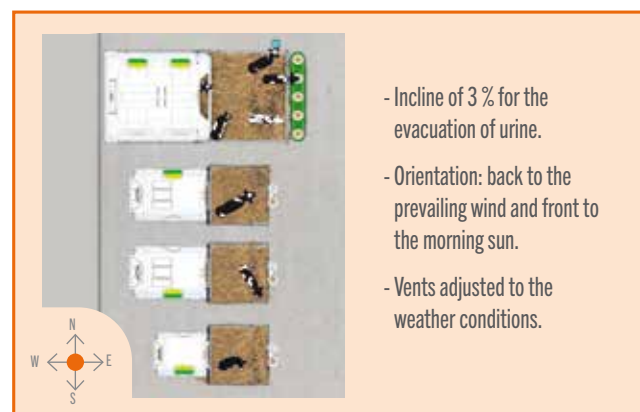
The air inside the hutch of the young calf must be replaced to evacuate the foul air that is often the cause of respiratory diseases. The air speed around the calves should not exceed 0,25 m/s. The air speed can be increased to 1 m/s to lower high temperatures (above 25 °C) during the summer. Draughts however with sudden waves of cold air must be avoided for the comfort of the calves.

### 3. HUMIDITY UNDER CONTROL

Draughts, cold and humid walls are the worst enemies of a young calf. Therefore, the ambient humidity must be monitored by looking for any traces of water on the inside walls of the pens or hutches and the metal parts. The coat of the calf and the litter may not be humid to the touch. Neither allow the milk to be prepared inside the nursery as this can strongly increase the ambient humidity.

### 4. NURSERY CLOSE TO THE MILK PARLOUR BUT ISOLATED AND FACING SOUTH-EAST

The location of the nursery in the stable is a decisive factor. Installing the nursery close to the milking parlour and the calving boxes will simplify your work, but you must make sure to provide sufficient isolation from the housing of the adult animals to minimise the risks of transmitting infectious agents. In case of half-open buildings or hutches placed outdoor, south-east orientation is recommended.



## 5. A HUTCH FOR EVERY AGE

During the first weeks of their lives, calves need to be housed in individual hutches. The length of the individual calf hutch needs at least to be equal to the length of the calf increased by 10 % (length measured from the tip of the nose to the back of the buttocks). The width shall at least be equal to the size of the shoulder of the calf (in a standing position).

Past the age of 8 weeks, the calves move to group housing. The dimensions of the group hutches must be adapted to the size of the animals. Until they are weaned, it is preferable to avoid large groups and to compose homogenous groups of 5 to 6 calves to keep everything well under control.



## CALVES AND MORTALITY

Young calves are fragile until they are weaned and the mortality of young calves is a major problem for dairy farms.

Most pre-weaning deaths (except deaths during calving) are caused by respiratory and diarrhoeal diseases. A study conducted in France shows that the mortality risk of calves aged less than one month is 10,2 % of which almost 7 deaths out of 10 occur within the first 48 hours.

Between 1 and 2 months, the mortality risk is 1,3 % while in calves of 2 to 6 months old it raises to 2,3 %. New-born calves have in fact a limited resistance to diseases due to the fact that they have almost no circulating antibodies that are able to destroy pathogens.

During the first hours of their lives, the calves drink the colostrum which contains the antibodies needed to acquire their immunity. Since the pathogens causing diseases are mostly transmitted by contamination between animals, it is desirable to house the young calves in individual hutches during the first weeks of their lives.

# RECOMMENDATIONS FOR A HEALTHY AND BALANCED DIET FOR YOUNG CALVES

For a healthy and balanced diet favouring the growth of the calves, a few rules have to be followed:

### 1. PERFECT HYGIENE

Hygiene such as cleaning of the milk distribution equipment is essential because buckets that are not or badly washed favour the growth of bacteria. It is thus essential to clean all tools used to prepare and distribute the milk after each use.

### 2. CAREFUL MILK PREPARATION

When the calves are fed with milk replacer, the major problems have to do with a bad preparation of the milk powder. The milk must be perfectly homogeneous and distributed at a temperature of 40 °C.

### 3. EASY MILK DISTRIBUTION

It is better to feed milk to young calves from a higher-placed pail with nipple to stimulate the reflex closure of the oesophageal gutter and salivation.

### 4. INTRODUCE SOLID FOOD AS SOON AS POSSIBLE

The administration of solid food (concentrate and fodder) should be started as soon as possible. The calves must be able to freely dispose of concentrate and rough fodder of good quality (but in small quantities in the beginning to avoid waste). Even though the rumen only starts to become operative after the first month, the administration of solid food from the first days on will help the early development of the rumen.

The feed rack is preferably placed in the back of the individual hutch or astride on the separation between two hutches. When the calves move to group housing, it is important to adapt the height of the feed rack to the size of the smallest animals.

### 5. WATER ACCESS FROM AN EARLY AGE ON

When they have the opportunity, calves start drinking water from the second day of their lives (although water access is only obligatory as of 2 weeks).

The availability of water stimulates the early ingestion of solid food and helps an early development of the rumen. Therefore, it is recommended to always provide a bucket of clean and fresh water besides the bucket with solid food.

It is however advised to avoid giving water within half an hour following the intake of milk since the entering of water in the abomasum (oesophageal gutter still closed) might cause reflux.

At last, to make sure that the provided water does not contaminate the concentrate and makes it repulsive, you must avoid that the water distribution is too close to the concentrate. A good solution to solve this problem is the installation of a partition between both bucket rings.

#### Water needs of calves aged from 0 to 6 months

AGE	WATER NEEDS (IN LITRES PER DAY)
1st to 3rd week	1 to 1,5
4th week	2,5 to 3,5
2nd month	4 to 7
3rd month	5 to 8
4th month	6 to 10
5th month	11 to 13
6th month	14 to 17



# ALL-IN-ONE MOTORISED MILK CARTS



## TECHNICAL SPECIFICATIONS

Mixer	370W / 230V ; 1320 rpm
Water bath heating	4 500W / 400V
Electric drive	275W/24V ; max. speed 6 km/h
Battery life	~1h30 in distribution mode
Filling height	90 cm (120L) / 96 cm (200L)

### Reliable stability on all types of terrain even when the tank is full:

- Horizontal tank and water bath make for a very low centre of gravity
- 4 large pneumatic wheels
- New floating axle
- Climbs slopes up to 10%.



### Handle bar with ergonomic hold:

- Progressive forward/reverse triggers
- 2 speeds: max. 3,5 and 6 km/h
- Safety: Automatic brake and reverser push button
- 3 keys to administer 3 different milk rations



### Intuitive and easy to use:

- Very simple visual interface
- Assistance with the preparation of milk powder (calculation of the proportions)
- Distribution of up to 6 different rations
- Programmable heating



### Automatic self-cleaning:

- Closed loop cleaning of the tank, pump and lines
- Rotating nozzle inserted in the tank makes brushing superfluous
- The small valve on the distribution hose serves to completely discharge the tank.



## DID YOU KNOW ?

LA BUVETTE decided to enter into a partnership with the milk distribution specialist FÖRSTER-TECHNIK in order to offer you the MILCHMOBIL 4x4 milk carts.

This guarantees the high reliability of the product and a local service of top quality.

**FÖRSTER-TECHNIK**  
Automatisch besser.

## MILCHMOBIL 4x4

All-in-one motorised 120 l and 200 l milk carts to prepare, mix, heat, transport, meter and administer the milk more easily and more quickly to the young calves.

Sturdy design, made of stainless steel.

Being heated in a water bath, the milk doesn't burn on and stays warm for longer.

Extremely stable and easy to steer.

Reactive engine.

Reliable and easy to use.



400 V three-phase, 5 pins



- 1 The powerful mixer is suitable to prepare powder, whole and yoghurt milk. The intermittent mixing cycle keeps the milk homogeneous during the heating procedure and when it is kept warm. The braked cart avoids accidents.
- 2 The horizontal tank is easy to fill. The internal and external welded seams eliminate any nooks or crannies for pristine cleanliness.
- 3 Very accurate 37 l/min distribution pump. Watertight dispensing gun.
- 4 Simple and intuitive control interface (see opposite).
- 5 Powerful LED lamp that can be directed to light your path and the calves.
- 6 Dynamic electric motor, securely protected by a stainless steel casing.
- 7 New adjustable handle bar with 270° pivoting axle (see opposite).
- 8 Rotating nozzle for automatic cleaning of the tank (see opposite).

\* Requires a three-phase, 5-pin, 400 V wall outlet.

REF.	DESIGNATION
D184	120 l - MilchMobil 4x4 - L. 1480 x W. 80 x H. 140 cm Motorised cart with handle bar, mixer, water bath, metering gun, lamp 400V three-phase power supply (5 pins)
D194	200 L - MilchMobil 4x4 - L. 1670 x W. 80 x H. 140 cm Motorised cart with handle bar, mixer, water bath, metering gun, lamp 400V three-phase power supply (5 pins)



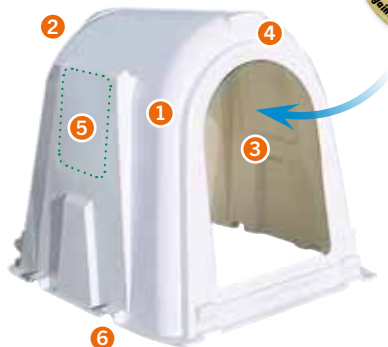


# INDIVIDUAL CALF HUTCH IN POLYETHYLENE FOR A CALF UP TO 4 WEEKS OLD

## MINISTAR™

Starter hutch for calf of up to 4 weeks old providing all the comfort it need.

Outside dimensions: L. 140 x W. 116 x H. 125 cm.  
(L. 55 x W. 45.5 x H. 49")



- 1 Individual UV resistant calf hutches in white pure high density polyethylene. Good thermal insulation. Its shock resistance ensures a longer service life. Quick and easy cleaning: the hutches are light and easy to handle. The polyethylene is resistant to high-pressure cleaning.
- 2 The ventilation opening at the rear ensures better ventilation and always clean air.
- 3 Large gate allows direct supervision of your calf and entry of fresh air.
- 4 Sticker to record all important information about the calf (identification, rations...)
- 5 This part can be cut out easily to create an opening. Hatch and feed rack sold separately, see page 65.
- 6 Urine draining.
- 7 Using an optional tipping fence helps maintain a dry and hygienic sleeping area as the excrements are dropped mainly outside in the courtyard (see page 65).

REF.	DESIGNATION
D112	Hutch for 1 calf up to 4 weeks old - In white HD polyethylene - without accessories - Outside dim.: L. 1,40 x W. 1,16 x H. 1,25 m



### 5 YEARS GUARANTEE

Since January 2013, the LA BUVETTE hutches come with a guarantee of 5 years against all manufacturing defects. They are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for sheltering young dairy calves. The accessories come with a one year guarantee.

Warranty claims for a hutch shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged hutch and in particular of its date stamp (see prebac, p. 46).

Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-20 % per year).



## Why choose the LA BUVETTE® hutches?

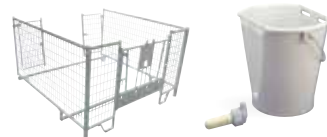
Offer your future dairy cows the best opportunities:

- French quality product
- White insulating and shock-resistant HDPE
- Adjustable ventilation for maximum comfort
- 5 years guarantee against all manufacturing defects

## + ACCESSORIES

Tipping fence, gate, pail with nipple, feed rack...

Numerous accessories are available: **See page 65.**



### USER'S OPINION



#### An Essential Safety!

MR AND MRS GIRON AND THEIR SON, BREEDERS OF 90 MONTBÉLIARDE CATTLE AND 150 VOSGIAN CALVES IN REMICOURT (FRANCE).

*Each year, 150 calves are housed in our MINISTAR hutches. We buy calves of varying origin, so a two-week isolation period is indispensable for health safety reasons. The MINISTAR hutches are perfectly suited to this task as they prevent the dissemination of microbes. They are also light and easy to clean.*

*Summer or winter, the calves always have a healthier environment. We do not face any sanitary issues, which is also better for our budget spent on veterinary costs!*



# INDIVIDUAL CALF HUTCH IN POLYETHYLENE FOR A CALF UP TO 8 WEEKS OLD



## USER'S OPINION



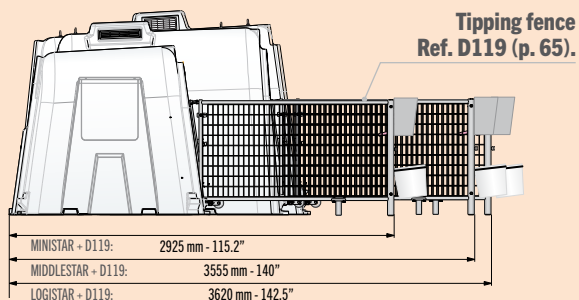
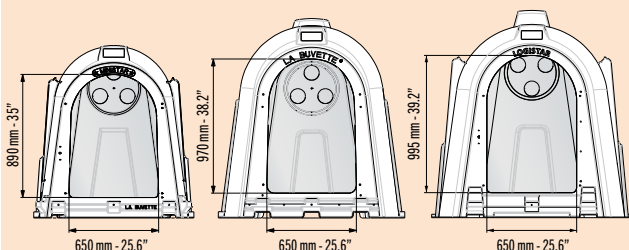
***I am very satisfied with the working conditions***

DAMIEN JONET, BREEDER OF PRIM HOLSTEIN IN CLAVY-WARBY (FRANCE).

*The hutches are perfect to get the calves going. I use them from the moment of calving until the calves are 7 days old. The hutches provide a healthy environment, there are no temperature problems and the litter is always dry. During this period, I teach them to drink on their own, and I am very pleased with the working conditions. When the calves are in separate hutches, it is easy to catch them. You can easily notice when there is a problem, in order to intervene immediately. I wouldn't change to another system now, because I have to optimize my working hours.*



### GATES DIMENSIONS: MINISTAR - MIDDLESTAR - LOGISTAR



## MIDDLESTAR

Intermediary hutch for 1 calf up to 2 months old.

Outside dimensions: L. 203 x W. 135 x H. 140 cm.  
(L. 80 x W. 53 x H. 55")



1 Hoisting eye.

2 Ventilation grilles for better evacuation of ammonia.

### REF. DESIGNATION

D117 Hutch for 1 calf up to 8 weeks old - In white HD polyethylene - without accessories - Outside dim.: L. 2,03 x W. 1,35 x H. 1,40 m

## LOGISTAR™

Big calf hutch for 1 calf of 0 to 2 months old.

Perfect ventilation.

Outside dimensions: L. 220 x W. 145 x H. 140 cm.  
(L. 86.6 x W. 57 x H. 55")



1 Hoisting eyes for easier cleaning

2 Ventilation system complete with adjustable disc in the back and grids on the roof for better evacuation of ammonia.

3 4 parts can be cut out easily to create openings. Hatch and feed rack sold separately, see page 65.

4 Large variety of optional accessories (see page 65).

### REF. DESIGNATION

D111 Hutch for 1 calf up to 8 weeks old - In white HD polyethylene - without accessories - Outside dim.: L. 2,20 x W. 1,45 x H. 1,40 m



# POLYETHYLENE GROUP HUTCH FOR CALVES FROM 2 TO 6 MONTHS

## SUPERSTAR

Group hutch for 5 calves aged from 2 to 6 months.

Made of white HD polyethylene IN ONE PIECE.

Very strong and unbreakable.

Outside dimensions: L 265 x W 231 x H 201 cm.  
(104.3" x 90.9" x 79.1")



- 1 100% pure high-density polyethylene treated against UV rays.
- 2 Welded, double-walled base for excellent rigidity.
- 3 Very large, adjustable, back ventilation hatch with straw feeding position.
- 4 Large opening for sufficient air renewal.
- 5 Lifted from the front by means of forks (possible with rolled-in park). 2 hoisting eyes.
- 6 4 parts can be cut out easily to create openings. Hatches and feed rack sold separately, see page 65.

Inside height: **185 cm** (6.1 ft). Hutch surface: **6,10 m<sup>2</sup>** (64.6 ft<sup>2</sup>).

REF.	DESIGNATION
D108	SUPERSTAR calf hutch in pure polyethylene with ventilation/hay feed hatch and hoisting eye. Suitable for maximum 5 calves aged from 2 to 6 months.



## OUR ADVICE



During the weaning period, it is important that the calves have access to water.

A waterer with constant level of the type LAC 5 or LAC 5A (page 8) can be installed on the head opening in the side fence by means of bracket A361.

An anti-frost drinker on a stand of the type LAKCHO 2 (page 24) can also be mounted between two SUPERSTAR fences.



## + SLIDING FENCE

Fence in galvanised steel with feed stanchion for 5 animals for SUPERSTAR hutch. Fence on wheels, rolls in and is locked to the hutch in no time to clean the courtyard and lift the entire structure.

L. 235.5 x W. 231 x H. 145 cm. (92.5" x 90.9" x 57.1")

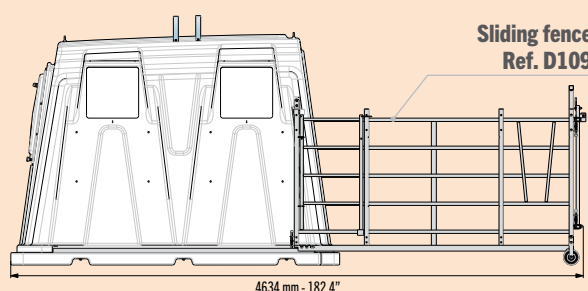
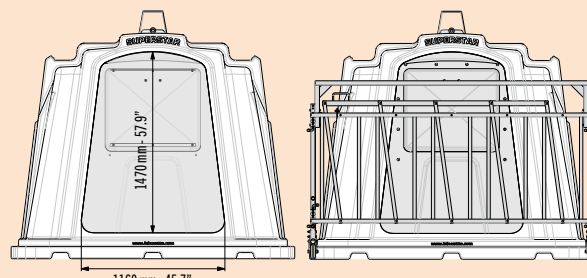
Surface: 5,40 m<sup>2</sup> (53.8 ft<sup>2</sup>)



- 1 Stanchion for 5 animals
- 2 Access gate for the farmer.
- 3 Head opening for drinking.
- 4 Left/right-reversible side panels.

REF.	DESIGNATION
D109	Fence on wheels for SUPERSTAR, with stanchion for 5 animals, 1 access gate for the farmer and 1 head opening for drinking.

## GATES DIMENSIONS: SUPERSTAR



Sliding fence  
Ref. D109

FOR CALVES

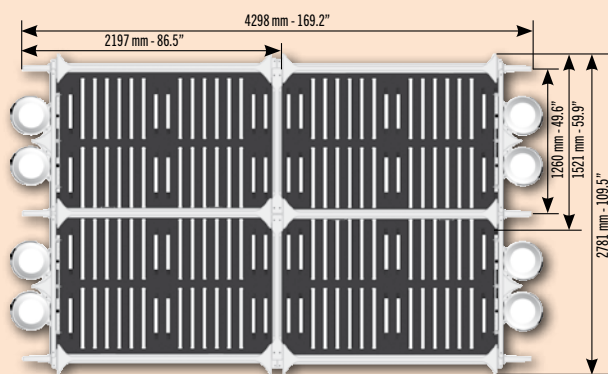




# MODULAR INDIVIDUAL CALF BOX



EXAMPLES OF MOUNTING: **BABY-STAR™**  
Adjoining boxes all require one less fence.



## USER'S OPINION



***I only need to buy 2 or 3 extra walls if I want to add another box***

LOUIS BINOIS, DAIRY COW BREEDER IN BALAZÉ (FRANCE).

*When we received our two Baby-Stars, my wife (59) wanted to assemble them. They reminded her of Lego and she wanted to give it a try. The assembly only took her a few minutes. Now there's an advantage for future cleaning. During the assembly, she was struck by how light the walls were, which makes them very easy to handle. They are also comfortable to the touch, neither cold or warm. One of the strong points is the available space for the calf. That is just what it needs to feel at ease. It can even roll up into a corner thanks to the shape of the walls. The straw stays inside the box and does not slide underneath the walls. An interesting advantage is that I only need to buy 2 or 3 extra walls if I want to add another box. Now that is what I call modular.*



## BABY-STAR™

Shock-resistant calf pens that are easily assembled side by side or back to back.

Placed under a shelter or inside a building, the Baby-Star™ provides calves of 0 to 8 weeks with sanitary safety and comfort.



- 1 Made of double-walled PEHD. This rot-resistant material allows easy maintenance and enhances hygiene. The rounded shapes and soft material avoid wounds.
- 2 The 2 included adjustable headlocks allow you to immobilize the calf. One Ø280 mm pail and its support is included with the gate. An another pail, sold separately, can be set.
- 3 Quick and easy gate opening/closing system.
- 4 The protruding side walls separate the pens at the feed barrier and limit direct contact between calves.
- 5 The openwork walls allow easy inspection of the calf and visual contact between calves. "INFIRMARY" versions, without opening, are available for sanitary isolation of calves.



Interior length: 1840 mm (72.4") - Interior width: 1220 mm (48")  
Height without PE slat floor: 1150 mm (45.3") - with: 1350 mm (53.1")  
(see on right page).

**The BABY-STAR™ meets all European standards for animal well-being.**



REF.	DESIGNATION
D244	BABY-STAR™ rear wall
D245	BABY-STAR™ rear wall «INFIRMARY» (without opening)
D246	BABY-STAR™ side wall
D247	BABY-STAR™ side wall «INFIRMARY» (without opening)
D248	BABY-STAR™ front wall + 2 headlocks + 1 pail + 1 holder for pail + 3 connecting pins + 1 quick gate opening/closing system
D249	Set of brackets to mount two BABY-STAR™ elements to the wall
D259	BABY-STAR™ XL front wall, for sanitary isolation of veal calves + 2 reinforced headlocks + 1 pail + 1 holder for pail + 3 connecting pins + 1 quick gate opening/closing system



# ACCESSORIES FOR NURSERY



## PE SLAT-FLOOR

Non-slip and sturdy slat floor in HDPE, perfect for BABY-STAR™ and calf hutch MINISTAR™.

Easily clean and transport (28 kg (61.7 lbs)).



- 1 The PE slat floors fit together like a jigsaw.

Dimensions:

L. 1930 x W. 1260 x H. 200 mm (L. 76" x W 49.6" x H 7.9")



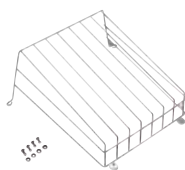
REF.	DESIGNATION
D253	PE slat floor for BABY-STAR™ or MINISTAR™

## + ACCESSORIES

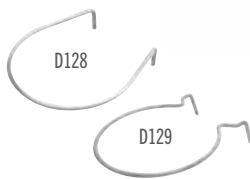
For MINISTAR™, MIDDLESTAR and LOGISTAR™.



D122



D123



D128

D129



D130



D132



D138



D149



D139



D175

REF.	DESIGNATION
D122	Side hatch (For LOGISTAR, MINISTAR and SUPERSTAR)
D123	Hay rack (For LOGISTAR, MINISTAR and SUPERSTAR)
D128	Holder for pail Ø 340 mm (13")
D129	Holder for pail Ø 280 mm (11")
D130	Mounting plate for pail holder, necessary for Middlestar fence in polyethylene.
D132	Support for pail with nipple
D138	Pail cover in polyethylene
D139	16 litres (4.2 USG) pail - Ø 340 mm (13")
D149	12 litres (3.2 USG) LA BUVETTE pail, translucent and graded - Ø 280 mm (11")
D175	9 litres (2.4 USG) pail with nipple, graded

## TIPPING FENCE

Galvanised fence and gate compatible with MINISTAR™, MIDDLESTAR and LOGISTAR™ hutches.

The gate and fence are sold separately. It is also possible to only use the gate with the MINISTAR™, MIDDLESTAR and LOGISTAR™ hutches.

Sturdy and durable, large diameter tubes and hot dip galvanised after assembly.



2



3



5

- 1 2,12 sq. m courtyard. 80x40 mm mesh, Ø 4 mm wire.

- 2 No sill bar to rule out the risk of falling.

- 3 Wheels supplied with fence for easy moving when installed.

- 4 Removable gate: To clean the courtyard, the gate swings on the hutch in one move.

- 5 The lock is out of reach of the animal.

- 6 Support for pail with nipple.

- 7 place for two pail holders (separately delivered).

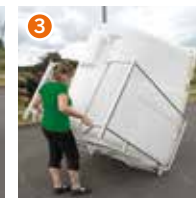
- 8 Anti-wear plate.



1



2



3

- 1 The hutch tips inside the fence.

- 2 The fence tips onto the hutch.

- 3 Wheels for easy moving.

REF.	DESIGNATION
D119	Fence for calf hutch - Int. dim. L. 1522 x W. 1481 x H. 904 mm Without gate (to order separately)
D120	Gate for calf hutch - Dim. W. 750 x H. 650 mm

# SYNTHETIC FEED TROUGHS AND LICKSTONE HOLDER

## TROUGHS FOR SMALLSTOCK

Feed troughs for calves and sheep kept indoor or outdoor.

Suitable to administer solid and liquid feed in pails that fit into specially shaped holders (pails sold separately).



- 1 High density polyethylene trough, treated against UV rays, with 5-year guarantee for all manufacturing defects. Acid resistant and easy to maintain.
- 2 Galvanised steel frame with adjustable bolted feet and reinforcement under the total length of the trough.
- 3 Running clearance between trough and frame for the thermal expansion.
- 4 Shaped to hold Ø280 mm milk buckets (ref. D149 sold separately).
- 5 Ø30 mm draining without tool. No nooks and crannies.

### REF. DESIGNATION

D235	Trough 1,73 m long for small animals - 4 places for buckets
D236	Trough 2,78 m long for small animals - 5 places for buckets
D237	Trough 2,63 m long for small animals - 6 places for buckets

## 25 KG LICKSTONE HOLDER

Stainless steel holder for cylindric or cubic lickstone up to 25 kg (55 lbs).

Just the sturdy and durable holder you were looking for.

W. 256 x D. 265 x H. 200 mm (W. 10 x D. 10.4 x H. 7.9")

8 fixing points of which 4 oblong.



### REF. DESIGNATION

D173	Stainless steel holder for mineral lick up to 25 kg (55 lbs)
------	--

## HDPE FEED TROUGHS

Feed troughs of food safe HDPE to be installed on the floor.

High quality product made of high density polyethylene for food (HDPE), a non-deforming and light material.

Very sturdy and strong for a long service life, whatever the conditions of use are.



Suitable for high-pressure cleaning.

Holds good on the floor for higher stability.

Flat bottom placed on the floor.

### REF. DESIGNATION

D238	1 m HDPE feed trough - 16.6 L
D239	2 m HDPE feed trough - 36,7 l.

## HAYBELL FEEDER

Hay feeder with or without bottom for round bales Ø160 cm.

Made of HDPE, resistant to rot and UV light.

Perfectly fits around the bale for optimum protection of the hay and less spilling.

Lightweight and convenient, this hay feeder can easily be moved by hand.



- 1 Seamless HDPE, UV rays proof, lightweight, sturdy and maintenance-free
- 2 4 openings of 80x34 cm, protected against run-off by means of gutters
- 3 Bottom edge of 40 cm high to reduce spilling
- 4 4 anchor points
- 5 Hoisting eye

Dimensions: Ø180 x 150 cm. Bottom end sold separately.

### REF. DESIGNATION

D230	Haybell made of HDPE for round bales Ø160 cm (5.¼ ft)
D229	Bottom for haybell





# MONOBLOC POLYCHOC™ POLYETHYLENE TROUGHS

67



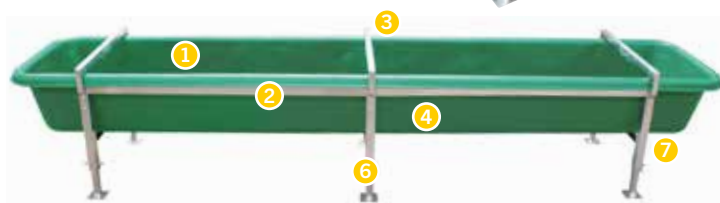
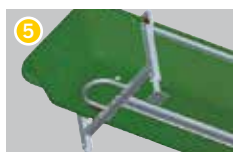
## MONOBLOC PREMIUM TROUGHS

Feed troughs for cattle kept indoor and outdoor.

Monobloc tub made of 100 % pure polyethylene resistant to the pH-acid value of the silage.

Our HDPE tubs come with a guarantee of 8 years against all manufacturing defects.

Very good price-quality ratio.



- 1 High density polyethylene trough, treated against UV rays, with 8-year guarantee for all manufacturing defects. Acid resistant and easy to maintain.
- 2 Galvanised frame (50x50 mm tube) with 3 supporting profiles per 1.5 m. Easily and quickly mounted.
- 3 Anti-fall bars with hoisting eyes.
- 4 Running clearance between trough and frame for the thermal expansion.
- 5 Supporting profil under the tub.
- 6 Bolted adjustable feet included.
- 7 Ø30 mm draining without tool. No nooks and crannies.

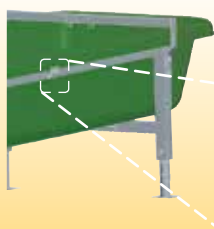
REF.	DESIGNATION
D218	Length 3 m - Capacity 620 litres
D219	Length 4 m - Capacity 845 litres
D220	Length 5 m - Capacity 1070 litres

## + ACCESSORIES

REF.	DESIGNATION
D227	Set for conversion to drinking trough



### OUR ADVICE



Our one piece PREMIUM troughs can be filled with water.

It is then imperative to use a set for conversion to drinking trough ref. D227.



### WARRANTY FOR TROUGHS

The LA BUVETTE height-adjustable troughs made of resistant and durable seamless high-density polyethylene come with a warranty of 5 or 8 years depending on the model.

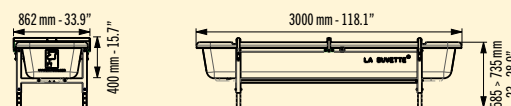
- The seamless feed troughs are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for feeding livestock. A PREMIUM seamless feed trough that is used for watering must be equipped with the D227 fill set (see OUR ADVICE). Damage caused by licking or nibbling is excluded from the guarantee
- The galvanised steel elements come with a standard one year guarantee.

Warranty claims for a tub shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged tub and in particular of its date stamp (idem PREBAC, p. 44).

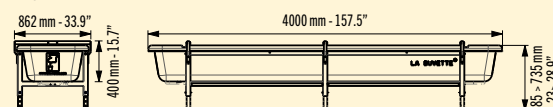
Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-12,5% per year).

### DIMENSIONS

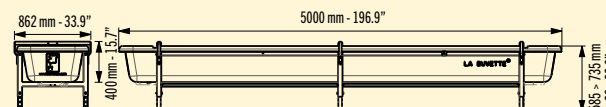
D218:



D219:



D220:



# MODULAR POLYCHOC™ POLYETHYLENE TROUGHS



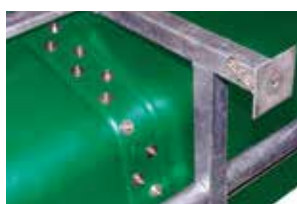
## TUBS

**HDPE pieces of tub without metal frame:**  
Troughs to be embedded in concrete.



REF.	DESIGNATION
D210	Male end piece 1,5 m (59") + bolts for PE + 2 drain plugs
D211	Female end piece 1,50 m (59")
D212	Extension of 1 m (39.4")
D213	Extension of 2 m (79")

## METAL FRAME



Bolts for PE.



D202



D214



D216

REF.	DESIGNATION
D202	3 Supporting profiles of 1,5 m (59") + bolts for PE
D214	Transverse support + 2 feet + 1 Anti-fall bar + bolts
D215	3 Supporting profiles of 1 m (39.4") + bolts for PE
D216	Additional anti-fall bar + bolts (easy mounting on transverse support)

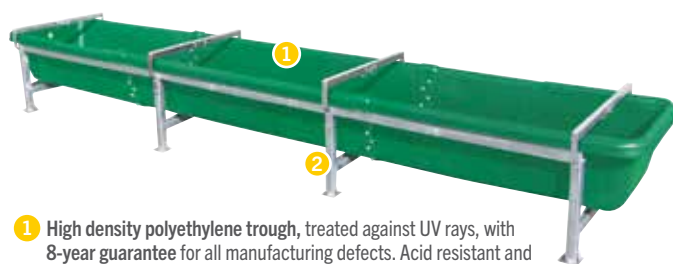
## MODULAR TROUGHS

**Modular feed troughs for cattle kept indoor or outdoor.**

**Monobloc tub made of 100 % pure polyethylene** resistant to the pH-acid value of the silage.

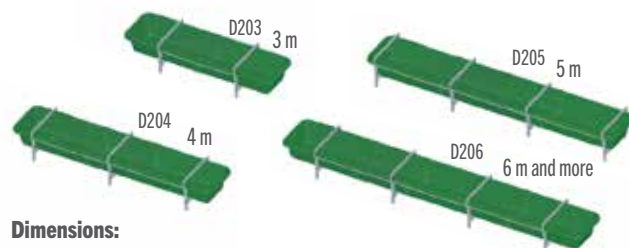
**Our HDPE tubs come with a guarantee of 8 years** against all manufacturing defects.

**Hot dip galvanised steel structures for bolting** troughs of 3, 4, 5, 6, 7, 8 m...



**1** High density polyethylene trough, treated against UV rays, with 8-year guarantee for all manufacturing defects. Acid resistant and easy to maintain. 2 drain plugs Ø30 mm without tools.

**2** Hot dip galvanised steel structures:  
- Support frame made of 50x50 mm tubes with anti-fall bars,  
- Lower and side profiles (1,50 m long),  
- Bolted feet with adjustable height.  
Running clearance between trough and frame for the thermal expansion.



### Dimensions:

Height: 414 mm (16.3"). Total height with feet: 600 mm (23.5")

Totale width including anti-fall bar: 880 mm (34.5")

Capacity: 360 l/m (23.75 USG/ft).

REF.	DESIGNATION
D203	Complete 3 m trough with 2 anti-fall bars and 4 feet
D204	Complete 4 m trough with 3 anti-fall bars and 6 feet
D205	Complete 5 m trough with 4 anti-fall bars and 8 feet
D206	Complete 6 m trough with 4 anti-fall bars and 8 feet



## 8 YEARS GUARANTEE

- The LA BUVETTE modular troughs come with a guarantee of 8 years against all manufacturing defects. They are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for feeding livestock.

- The galvanised steel elements come with a standard one year guarantee.

Warranty claims for a tub shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged item and in particular of its date stamp (idem PREBAC, p. 44).

Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-12,5% per year).







## FEED BARROWS

### Ergonomic 140 and 340 litres carts with integrated handles

These carts are most convenient for indoor as well as outdoor use.

These carts pass through 60 cm wide doors (80 cm for the big one) and small steps can be bridged easily. Even in 80 cm wide passageways, they can easily be turned around on their own axle. They pass under a feed chute of 1 m.



- 1 Sturdy and durable: high density polyethylene tub with seamed double-walled edge on a metal frame.
- 2 Well-balanced and easy to handle: Ø 400 mm wheels with pneumatic tyres and ball bearings for comfortable handling.
- 3 Two caster wheels for smooth handling.
- 4 Heightened version (+15 cm) to reach the bottom of the tub more easily, with pneumatic tyres on pivoting wheels for more comfort and stability on rough terrain.

Optional HDPE partition and cover (see accessories).

REF.	DESIGNATION
D181	140 litres barrow - L. 768 x W. 560 x H. 912 mm (L. 30" x W. 22" x H. 36")
D180	140 litres elevated barrow with pivoting wheels on pneumatic tyres L. 768 x W. 560 x H. 1062 mm (L. 30" x W. 22" x H. 42")
D182	340 litres barrow - L. 1200 x W. 750 x H. 912 mm (L. 47" x W. 29.5" x H. 36")

## + ACCESSORIES



**Galvanised steel handlebar.** Very handy to push the cart up on its two front wheels to overcome obstacles on the ground.

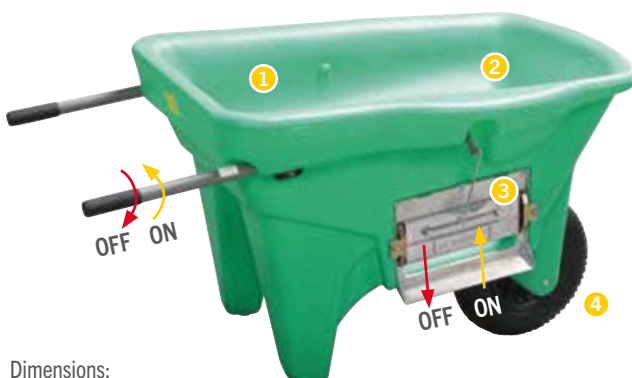
REF.	DESIGNATION
A790	Galvanised steel handlebar for 140 l barrow.
D171	Feed scoop in plastic. Calibration per 1/2 litre (0,13 USG) Max. capacity: 3 litres (0,79 USG) - L. 265 x W. 175 mm (L. 10.5" x W. 7")
D176	HDPE cover for 140 l cart
D177	HDPE partition for 140 l cart with attaching angles
D178	HDPE cover for 340 l cart
D179	HDPE partition for 340 l cart with attaching angles



## FEEDER WHEELBARROW

**Wheelbarrow 100 litres for feed distribution with adjustable flow rate.**  
Suitable for pellets, flour, oil cake...

The simple design of the wheelbarrow makes cleaning and maintenance easy.



Dimensions:  
L. 1410 x W. 744 x H. 902 mm. (55.5" x 29.25" x 35.5")



- 1 Sturdy double-walled wheelbarrow with tub and frame made of one piece high density polyethylene.
- 2 Capacity 100 litres (26,5 USG). The scale is indicated on the tub wall in front of the operator. The slope angle of the tub in forward moving position is never less than 30° ensuring smooth feed discharge (pellets, flour, oil cake...). No remains in the tub after use.
- 3 The large opening (300 mm (11.75") wide and 88 mm (3.5") high in the bottom of the tub is locked by a distribution slide operated with the right handle of the wheelbarrow. The operator can choose between 3 distribution speeds. Distribution height: 34 cm (13.25"). Distance slide/wheel = 28 cm (11").
- 4 Wheel on pneumatic tyre Ø 400 mm (15.75") and bearing.

REF.	DESIGNATION
D185	Wheelbarrow for feed distribution



# DUMPING WHEELBARROWS



## 600 L. WHEELBARROW

**Tipping wheelbarrow of 600 litres designed to reduce fatigue.**

Larger volume for less trips!

Same specifications as the 330 l model.



Dimensions:  
L. 2033 x W. 1010 x H. 1055 mm  
(L. 81" x W. 39" x H. 37").

REF. DESIGNATION

D187 600 litres (158 USG) dumping wheelbarrow



### DID YOU KNOW ?

#### Advantages of our reinforced plastic rims:

- **Very sturdy and durable:** Our synthetic rims are rustproof and can be washed with a high-pressure jet.
- **No puncture caused by wear and tear:** Over time, metal rims can rust. The sharp rust particles appearing between the rim and the tyre can cause punctures.
- **The rims match reinforced tyres of Ø 400 mm** with inner tube and run on ball bearings for maximum handling comfort.



## 330 L. WHEELBARROW

**Tipping wheelbarrow of 330 litres designed to reduce fatigue.**

When the wheelbarrow is being handled, the axle carries the entire load.

The HDPE tub is easily tipped all the way. Its pure lines guarantee easy filling and cleaning.



- 1 High-density polyethylene tub with welded double-walled edge for sturdiness in all circumstances. Specific shape designed for easy filling.
- 2 Sturdy galvanised steel tube frame.  
Very resistant and well balanced to reduce the load applied on the arms.
- 3 Can be tipped more than 90° (from the ground) for easy and complete emptying.
- 4 Stainless steel wear protection.
- 5 Bolted frame with handles.
- 6 Anti-wear strips.
- 7 Safety lock to avoid accidental tipping.
- 8 Reinforced Ø400 mm pneumatic tyres, rims mounted on ball bearings.

Dimensions: L. 1746 x W. 830 x H. 857 mm (L. 68" x W. 32" x H. 34")

REF. DESIGNATION

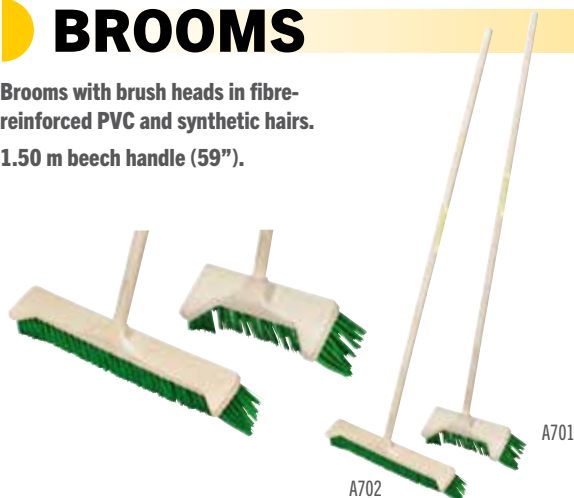
D186 330 litres (87 USG) dumping wheelbarrow



## BROOMS

Brooms with brush heads in fibre-reinforced PVC and synthetic hairs.

1.50 m beech handle (59").



REF.	DESIGNATION	PACKAGING
A701	Broom with brush head, 32 cm (12.6")	Per box of 6
A702	Broom with brush head, 55 cm (21.7")	Per box of 6

## ROUND BROOM

Round polyethylene broom with adjustable lock ring.

1.90 m beech handle (74.8").

1 Adjustable lock ring



REF.	DESIGNATION	PACKAGING
A703	Round broom – 1,90 m long (74.8")	Per box of 6

## GRAIN SHOVEL

Reinforced ABS grain shovel.

1,70 m ash handle (67").



REF.	DESIGNATION	PACKAGING
A704	Grain shovel – 1,70 m long (67")	Per box of 6

## RICE STRAW BROOM

About thirty-centimetre large broom made of natural rice straws with a length of 50 cm.

1.42 m beech handle (55.9").

1 5 stitches.



REF.	DESIGNATION	PACKAGING
A712	Rice Straw Broom – 1,42 m long (55.9")	Per box of 10

## SHOVEL

Very sturdy, reliable and durable polypropylene clearing shovels.

1.45 m beech handle (57").



1 Automatic anti-rotation handle connection.



REF.	DESIGNATION	PACKAGING
A705	Clearing shovel, 53 cm (21")	Per box of 6
A706	Clearing shovel, 66 cm (26")	Per box of 6

## FOR THE MANURE

Synthetic fork for sand, sawdust and wood shavings.

Aluminium handle.

Combination set of synthetic shovel and metal droppings rake.

Steel handles.



REF.	DESIGNATION	PACKAGING
A707	Synthetic fork – 1,45 m long (57")	Per bag of 5
A709	Combination set of droppings shovel & rake - 1,10 m long (43.3")	Per bag of 5

# BALE TROLLEY AND 4-WHEELED CART



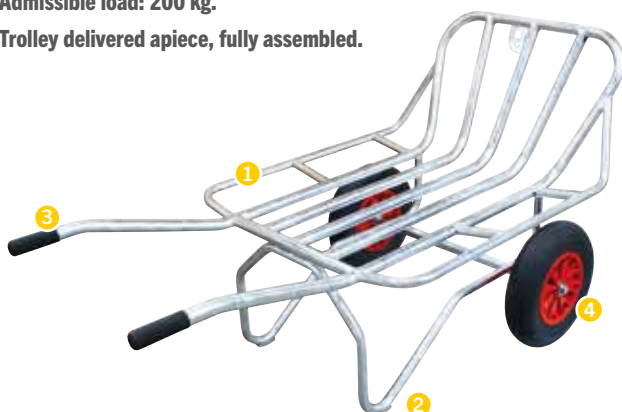
## BALE TROLLEY

**Perfect to transport voluminous loads.**

Sturdy construction for a long service life.  
Very functional for daily use.

**Admissible load: 200 kg.**

**Trolley delivered apiece, fully assembled.**



- 1 Hot dip galvanised steel frame. Large diameter main tubes: (Ø 34 mm). Very resistant and well balanced to reduce the load applied on the arms.
- 2 Anti-wear strips.
- 3 "Grip" handles.
- 4 Reinforced Ø400 mm pneumatic tyres, rims mounted on ball bearings.

Dimensions:

Overall: L 1,68 x l 0,86 x H 0,86 m (66.14" x 33.86" x 33.86")

Bottom: L 0,82 x l 0,86 m (32.28" x 33.86")

Back: L 0,48 x l 0,86 m (18.90" x 33.86")

REF.	DESIGNATION
D188	Bale trolley delivered fully assembled

## 4-WHEELED CART

**Sturdy cart with hot-dip galvanised steel frame and non-slip bakelite-covered plywood floor.**



- 1 Designed to support the weight of a high density bale.
- 2 Sprung drawbar, 1,25 m from the ground.
- 3 Directional axle without stop.
- 4 4 reinforced Ø400 mm pneumatic tyres, rims mounted on ball bearings.
- 5 Side pieces of thick tube, to be installed at the centre or side by side in horizontal or vertical position (optional).

Dimensions:

- Floor: L. 240 x W. 98 x H. 49,5 cm (94.5" x 38.6" x 19.5")

- Cart: L. 275 x W. 98 x H. 125 cm (108.3" x 38.6" x 49.2").

REF.	DESIGNATION
D183	4-Wheeled Cart, naked (without side piece)

## + ACCESSORIES

**The A793 side pieces** can be installed horizontally to increase the length of the platform.

One or two side pieces can be placed at the front or the back.

**A794 coupling for compact tractor.**



REF.	DESIGNATION
A793	Set of 2 U-shaped side pieces
A794	Coupling for compact tractor to be mounted on the drawbar





## MANURE-FREE FOOTBATH

Sturdy and deep seamless HDPE tray to optimize the prevention and treatment of hoof problems.

The length of 1.60 m is specially adapted to the gait of cattle to assure optimal dipping of the 4 hooves.

With a width of only 85 cm, it can be installed in all return aisles. This footbath is suitable for treatments with liquids and powder.



- 1 Large openings in the middle for good evacuation of the manure while preventing the legs from crossing over.
- 2 Rounded top edge to systematically send the feet back into the tray.
- 3 The separation in the middle forces the cow to put its foot down from the first tray. The tray also breaks the waves to prevent spilling.
- 4 Anti-slip bottom opening the hooves.



Filling volume:

- 80 litres (21 USG) with a filling height of 13 cm (5.1").

- 100 litres (26.4 USG) with a filling height of 15 cm (5.9").

REF.	DESIGNATION
D107	Manure-free footbath 160 for cattle. Max. capacity: 120 L (31.7 USG)

## + PAIRING SET

Sturdy and effective system to attach a manure-free footbath for cattle to a footbath for cattle, a manure-free footbath or CLEANFOOT in order to rinse the hooves before treatment or to double the number of dippings.

Made of stainless steel.



REF.	DESIGNATION
A207	Pairing set for D107 footbath

## OUR ADVICE

Place two manure-free footbaths in a row to wash the hooves with clear water, followed by dipping in product or to obtain two dippings of each hoof in product.



## FOOTBATH

Footbath for disinfection of boots.

Antiskid bottom.

Dimensions:

L. 53 x l. 75 x H. 11 cm (21 x 29.5 x 4.3")

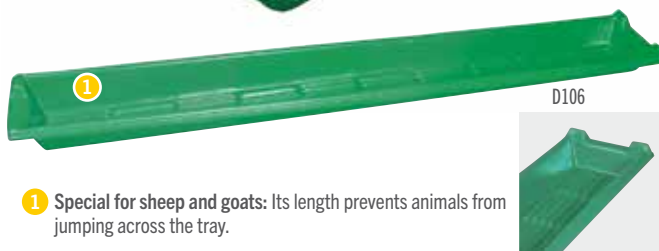


REF.	DESIGNATION
D105	Footbath for disinfection of boots.

## CLEANFOOT

LA BUVETTE® footbaths in high density polyethylene.

Antiskid bottom. The large ribs on the base open the hooves enough to penetrate them well with the treatment product.



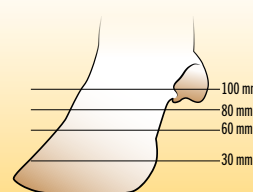
- 1 Special for sheep and goats: Its length prevents animals from jumping across the tray.

REF.	DESIGNATION
D101	For cattle - L. 200 x W. 85 x H. 16 cm (78.7 x 33.5 x 6.3")
D102	For cattle - L. 300 x W. 100 x H. 18 cm (118 x 39.4 x 7")
D106	For sheep and goats - L. 300 x W. 47 x H. 18 cm (118 x 19 x 7")



## DID YOU KNOW ?

For optimal treatment, a cow hoof must be dipped in at least 12 cm (even during the last passages). Depending on the product, it is recommended to prepare between 0.80 and 1.00 litre of solution per cow and per passage.



# ADVICE FROM LA BUVETTE® ON WATERING SOLUTIONS FOR SHEEP AND GOATS

Whatever type of production, the watering system plays a prominent role both for the performance and the stability of the herd. It is important to choose the right type of drinker since sheep and goats have a sensitive muzzle. A drinker with constant water level offers the most natural way of drinking, but has to be cleaned more frequently. A model with push tube such as BABYLAB™ is easy to clean and very easy to operate even for very young animals and often better suited. You should also consider the location of the drinking points in relation to the building and the herd. Ask LA BUVETTE for advice.



## REMEMBER

Install enough water points to avoid aggression, pushing and queues.

Adapt the height to the size of the animals and ensure the best positioning of the water points.



### EWES:

- Lactating ewes:  
1 water point for 10 animals
- Dry or nursing:  
1 water point for 15 animals
- Height of the drinker: 50 cm + step for adults ; 40 cm for lambs.



### GOATS:

- Lactating goats:  
1 water point for 10 animals
- Dry goats: 1 water point for 15 animals
- Height of the drinker: 60 cm + step for adults ; 40 cm for young animals.

**Deep litter: A drinker that is always at the right height**  
With the A308 wall bracket, you can set the drinker at a height of up to 50 cm. Handy adjustment without tools.





## DRINKING BEHAVIOUR OF NURSING GOATS AND EWES INDOORS

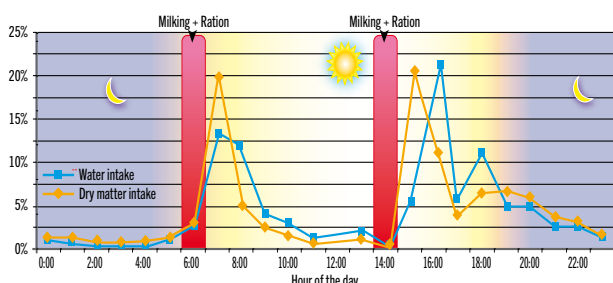
- Drinking frequency/day: 5 to 20
- Volume per drinking time: 0,4 to 0,7 l
- Time spent drinking/day: 1 to 2 minutes
- Single drinking time: approximately 15 to 20 seconds
- Intake speed: 1,5 to 3,5 l/minute

### Factors affecting the drinking behaviour

- The hierarchy within the herd since dominant animals take possession of the water points.
- Insufficient number of drinkers reduces the drinking time and frequency, and causes queueing phenomena at the drinker.

## PERCENTAGE OF WATER AND FOOD INTAKE PER HOUR

Source: adapted from Giger-Reverdin et al. (2011).



The water intake happens primarily during the day: more than 80 % of the volume is taken in between 7 a.m. and 7 p.m.

The night activity is very low: less than 1 % of the daily volume is taken in between 2 a.m. and 4 a.m.

Peaks occur during the distribution of the ration and at the exit of the milking parlour.

## AVERAGE DAILY WATER CONSUMPTION

### NURSING EWES ON PASTURE

Ewe with lamb	Summer: 3,5 to 9 l/d
Dry ewe	Spring: 0,1 to 1,5 l/d ; Summer: 1,5 to 5 l/d

### Variables determining the water consumption on pasture

- Temperature
- Rainfall (low water consumption during rainy days)
- Dry matter content of green fodder
- Live weight of the animal

### LACTATING EWES AND GOATS

Lactating ewe	5 to 10 l/d
Dry ewe	2 to 5 l/d
Lactating goat	4 to 8 l/d
Dry goat	2 to 3 l/d

### Variables determining the water consumption indoors

- Dry matter intake:  
Ewes = 1,8 to 2,5 l of water per kg of DMI  
Goats = 1,7 to 2,6 l of water per kg of DMI
- Milk Production:  
Ewes = 3,5 to 4,5 l of water per kg of milk  
Goats = 1,3 to 2,2 l of water per kg of milk
- Dry-matter content of the ration
- Climatic conditions (temperature and relative humidity)
- Live weight of the animal
- Stage of gestation (intake increases towards the end of the gestation)
- Number of foetus (intake increases with the number of foetus)
- Intake of NaCl



## HOW TO DETERMINE THE BEST LOCATION FOR INDOOR DRINKERS?

The location of the water points depends on the surface area of the building, its lay-out, the type and size of the herd. The diagrams below present some examples. Please contact LA BUVETTE® for personal advice.

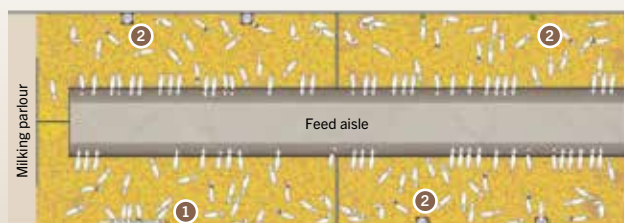
### SHEEP BARN – 150 PLACES FOR NURSING EWES



- 1 Drinker between two lambing pens or lamb parks:**  
BABYLAB drinkers with push tube or LAC5 or LAC55 single or double drinking bowls with constant water level.
- 2 Drinkers visible from the feed alley or the service alley.**  
In a 5 m wide straw area, you should install the drinkers at a distance of approximately 5 m. Choose a drinker that is suitable for the risk of freezing:
  - Without frost protection: BABYLAB, LAC 5, NORMANDY
  - Frost protection by circulation: BABYLAB T (+ pompe SPEED-FLOW)
  - Drinkers with heating system: NORMANDY, LAKCHO 2
  - Isothermal drinkers (without electricity): THERMOLAC B

Details on the next pages.

### GOAT BARN - 150 PLACES



#### Drinkers with the back side to the feed alley.

In general, install the drinkers with the back to the feed alley to keep them clean for a longer time. Space them sufficiently far apart to minimise the impact of dominant animals. Caution: only use metal drinkers (cast iron, galvanised steel, stainless steel).

- 1 Drinker at the exit of the milking parlour: OVICAP 240**  
Give preference to a large drinking trough with a decent flow rate to allow a large number of goats to drink at the same time.
- 2 Single access: BABYLAB ; or heated drinker: BIGCHO 2**  
The cast iron BABYLAB drinkers with push tube are ideal for goats. However, they will lower the milk production in the winter when the water is too cold. Therefore, it is recommended to use a heating system:
  - Drinkers in a circulation system: BABYLAB T (+ SPEED-FLOW pump + THERMOFLOW heater)
  - Drinkers equipped with a heating system of 80W: BIGCHO 2

Details on the next pages.



# LARGE DRINKING TROUGHS

## PREBAC 400L

Oval pasture trough made of HDPE Polychoc™ for watering sheep outdoors.

Suitable for watering up to 150 sheep.



32 l/mn. at 3 bars

Valve sold separately (Ref. A603 or A617), see page 48.

REF. DESIGNATION

2269 Polychoc 400 l. trough - L. 147 x l. 105 x H. 40 cm (L. 57.9" x W. 41.3" x H. 15.7")

## PREBAC 200R

Rectangular floor-mounted troughs made of HDPE Polychoc™ for watering sheep both outdoors and indoors.

Suitable for 60 to 100 sheep.

32 l/mn. at 3 bars



Valve sold separately (Ref. A603 or A617), see page 48.

REF. DESIGNATION

2231 Polychoc BS 200 l. R trough - L. 160 x W. 46 x H. 44 cm - L. 63" x W. 18.1" x H. 17.3"

## PREBAC 70L

Double drinker with constant water level of 70 litres, made of HDPE Polychoc™ for watering 40 to 50 sheep outdoors and indoors

32 l/mn. at 3 bars



- 1 Float-valve with high flow rate or low pressure included.
- 2 Large rectangular quick discharge "VIDE-VITE".
- 3 2 anchor points for floor mounting or on concrete base.

REF. DESIGNATION

2219 Polychoc 70 l. trough - Standard pressure - Connection 1/2" (15x21)

2217 Same as 2219 but for low pressure (<1bar-14.5psi)(blue) for supply by gravity

## OVICAP 120 / 240

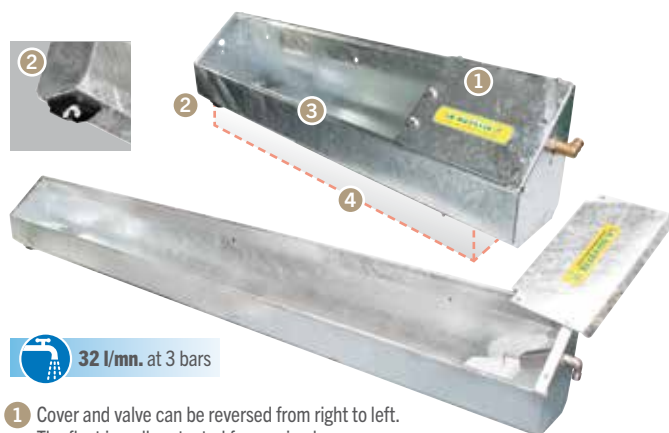
Waterer with float valve, in 2 mm galvanised steel.

1/2" M brass elbow fitting. Wall mounted.

2 available lengths:

1,20 m. Ideal for 25 to 40 sheep/goats.

2,40 m. Ideal for 50 to 80 sheep/goats.



32 l/mn. at 3 bars

- 1 Cover and valve can be reversed from right to left. The float is well protected from animals.
- 2 Quick drainage "Vide-Vite".
- 3 Non-spill edge.
- 4 New heating sets to supply warm water, see on the right.

REF. DESIGNATION

2419 Big drinking trough in galvanised steel with constant water level  
Dim.: L. 120 x W. 18,6 x H. 28 cm (47.2 x 7.3 x 11") - 23,5 L

2420 Big drinking trough in galvanised steel with constant water level  
Dim.: L. 240 x W. 18,6 x H. 28 cm (94.5 x 7.3 x 11") - 47 L

## PREBAC 90L

Special type for sheep, capacity 90 litres.

Low water level. Antiskid bottom.



8 l/mn. at 3 bars

Included float-valve with cover.

Suitable for 50 sheep.

For floor mounting: 4 anchor points.

REF. DESIGNATION

2253 Polychoc 90 l. trough - L. 160 x W. 48 x H. 46 cm -  
Float-valve included - Connection 1/2" (15x21)

## BIGLAC 55/90

Double access deep waterer in HDPE with float valve, 55 and 90 litres.

More information on page 25.



# FROST-FREE WATERERS AND FROST PROTECTION SYSTEMS

## WARMING SETS OVICAP

Self-regulating heating elements to distribute warm water (15 °C) on the OVICAP 120 and OVICAP 240 drinking troughs.

**NEW**

- 1 180 W or 360 W heating at 24 V.
- 2 Built-in adjustable thermostat
- 3 Galvanised steel cover with drawer system for easy access to the thermostat.



### REF. DESIGNATION

A409	Water heating set 180W/24V for OVICAP 120
A410	Water heating set 360W/24V for OVICAP 240

## LAKCHO 2 WARM WATER

Large polyethylene bowl with constant water level. It supplies tepid water (auto-regulate temperature). Heating element 24 V-180 W, internal thermostat. Ideal for 25 dairy ewes.

10 l/mn. at 3 bars

Internal thermostat. Water at +10°C to +15°C.

Transformer 230/24 V required, delivered separately.



### REF. DESIGNATION

1642	Bowl with constant water level and heating element 24 V - 180 W with internal thermostat (to supply lukewarm water)
------	---

## BIGCHO 2 24V/50-80W

Anti-spillage frost-proof waterer to mount on a 400 mm (15.75") high stand.

Large stainless steel bowl with constant water level and drain plug. Non-spill metal edge.

24 V - 50 or 80 W heating element.

More information on page 25.

Transformer 230/24 V required, delivered separately.



### REF. DESIGNATION

1639	Stainless steel non-spill bowl, constant water level, with heating element 24 V - 50 W
1839	Same as 1639 with heating element 24 V - 80 W (northern countries)



### DID YOU KNOW ?

The lukewarm water (15 °C) that is very much appreciated by goats and ewes during cold periods, limits the decrease of milk production in winter.



## THERMOLAC™ 40B & 75B

Frost-free waterer without electricity, with removable metal dish.

Clean water everyday even down to -15 °C (5°F).

More information on page 40.



- 1 Insulated double walled HDPE trough.
- 2 The dish is removed with ¼ turn.
- 3 Ø100 mm (4") draining.



### REF. DESIGNATION

1677	Frost-free non-electric 40 L waterer with 1 dish, float valve for standard pressure
1676	Frost-free non-electric 75 L waterer with 2 dishes, float valve for standard pressure

## NORMANDY

Compact HDPE drinker with constant level.

Top or bottom connection to the water supply line: Connection made easy by means of pre-installed ¾" (20x27) stainless steel braided hose. Large bowl, quick and easy to clean.



- 1 Stainless steel valve cover and anti-nibbling edge.
- 2 Large access door for water connection and installation of anti-freeze power set.
- 3 Draining without tools.

Transformer 230/24 V required, delivered separately.

### REF. DESIGNATION

### PACKAGING

1717	NORMANDY with float valve	Carton apiece
A396	Anti-freeze power set of 80 W/24 V to protect the bowl and valve.	

## FOR WATER PIPES

Powerful SPEED-FLOW anti-frost pump, independent THERMOFLOW heater or heating wires:



More information on page 20-23.



# CLASSICAL DRINKING BOWLS

## BABYLAC

NEW

Small cast-iron bowl with constant level, ideal for 10 to 15 goats or sheep from a very early age on.



5 l/mn. at 3 bars

L. 26 x W. 25 x H. 17 cm (10.2" x 9.8" x 6.7")

Capacity: 2,5 litres.

Connection 1/2" (15x21 mm) left / right.

More information [page 16](#).



REF.	DESIGNATION	PACKAGING
2015	Cast iron with Polycoat drinking bowl with float valve	Plastic bag

## LAC 5(A)/ 55

Single or double cast iron drinking bowl with constant water level.



6,5 l/mn. at 3 bars

- 1 Drain plug without tool
- 2 Float valve protected by a stainless steel cover

Capacity: 5 and 8 litres.

Connection on horizontal 3/4" tube.

Can be connected on vertical 1/2" tube from bottom with accessories (see page 86).



REF.	DESIGNATION	PACKAGING
1627	Cast iron bowl with Polycoat. Constant water level.	Plastic bag
1622	Same as 1627	Carton apiece
1615	Same as 1627 with non-spill edge	Plastic bag
1628	Cast iron double bowl with Polycoat. Constant water level.	Plastic bag
1620	Same as 1628	Carton apiece

## LAC 10 (SYNTHETIC BOWL)

Synthetic drinking bowl with float valve. Not suitable for goats. Large Capacity: 5.5 litres. Adjustable water level. 4 oblong fixing points. Connection 1/2" (15x21) from bottom.



8 l/mn. at 3 bars

- 1 Stainless steel valve cover.
- 2 Synthetic material, strong and rigid.
- 3 Drain plug without tool.



REF.	DESIGNATION	PACKAGING
3259	Synthetic bowl with constant water level	6 per carton
3279	Same as 3259	Carton apiece

## BABYLAB™

Educational cast iron bowl designed for the «little snouts».

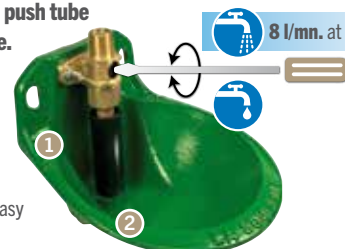
A small amount of remaining water below the valve stimulates the animals to push the tube.

A pressure of 300 g on the push tube is enough to open the valve.

Connection 1/2" (15x21) above.



8 l/mn. at 3 bars



- 1 Smooth tube valve, very easy to push.
- 2 Small water reserve for educational purposes

REF.	DESIGNATION	PACKAGING
2014	Cast iron with Polycoat - Brass 1/2" valve	2 per carton
2012	Enamelled cast iron - Brass 1/2" valve	2 per carton

Same as BABYLAB™ with 3/4" T-fitting.

18 l/mn. at 3 bars



- 1 Connection to loop possible with T 3/4" (20 x 27 mm)
- 2 4 fixing points

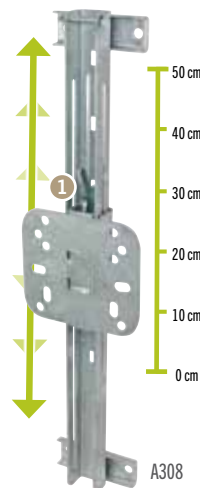
REF.	DESIGNATION	PACKAGING
2019	Cast iron with Polycoat - Brass 3/4" valve with T	Plastic bag

## + ACCESSORIES

Adjustable bracket:



- 1 Adjustable without tools every 10 cm up to 50 cm.



NEW

REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 87)
A309	Complete connection set for LAC5/55 or BABYLAC mounted on A308





# BREEDING EQUIPMENT

## HDPE FEED TROUGHS

Troughs for sheep, floor mounted.

High quality product made of high density polyethylene, very sturdy and strong for a long service life, whatever the conditions of use are.



REF.	DESIGNATION
D238	1 m HDPE feed trough - 16,6 L
D239	2 m HDPE feed trough - 36,7 l.

## TROUGHS ON FEET

Troughs for sheep with adjustable feet.

HDPE tub with 5-years guarantee?  
Galvanised steel frame.

More information on page 66.



- 1 Adjustable feet. Height of the trough: 307 to 457 mm
- 2 Running clearance between trough and frame for the thermal expansion.
- 3 Ø30 mm draining without tool. No nooks and crannies.

REF.	DESIGNATION
D235	Trough for small animals - Length 1,73 m
D236	Trough for small animals - Length 2,18 m
D237	Trough for small animals - Length 2,63 m

## LICKSTONE HOLDER

For cylindric lickstone of 10 kg (22 lbs)  
L 240 x W 215 x H 210 mm  
(L 9.5" x W 8.5" x H 8.25")

In order to limit the spilling, the edge of this holder retains all bits.



REF.	DESIGNATION
D170	Lickstone holder

## CLEANFOOT

Footbath for sheep and goats.

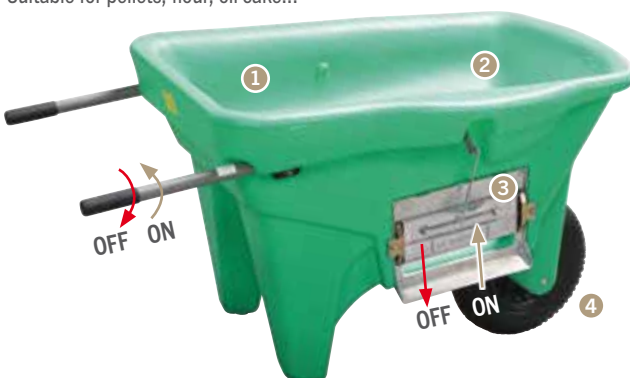


REF.	DESIGNATION
D106	For sheep and goats - L. 300 x W. 47 x H. 18 cm (118 x 19 x 7")



## FEEDER WHEELBARROW

Wheelbarrow 100 litres for feed distribution with adjustable flow rate.  
Suitable for pellets, flour, oil cake...



- 1 Sturdy double-walled wheelbarrow with tub and frame made of one piece high density polyethylene.
- 2 Capacity 100 litres (26,5 USG). Scale indicated on the tub in front of the operator.
- 3 The large opening (300 mm (11.75") wide and 88 mm (3.5") high in the bottom of the tub is locked by a distribution slide operated with the right handle of the wheelbarrow. Distribution height: 34 cm (13.25"). Distance slide/wheel = 28 cm (11").
- 4 Wheel on pneumatic tyre Ø 400 mm (15.75") and bearing.

REF.	DESIGNATION
D185	Wheelbarrow for feed distribution

## MEMBRANE VALVE

Valve to maintain a low constant water level in a bowl or group trough.

More information on page 83.

- 1 Membrane valve alone ref. 1820.
- 2 1.20 m (4 ft) SS tube ref. 1821 (Sold separately).
- 3 B15 stainless steel bowl ref. 4130403 (See Spare Parts catalogue).



REF.	DESIGNATION
1820	Membrane valve (with fittings)



# ADVICE FROM LA BUVETTE® ABOUT DRINKING SOLUTIONS FOR PIGS

The daily water consumption by pigs depends on their live weight, the quality of the food taken in, the composition of the ration and their physiological condition (lactation, diseases, stress, etc.). The welfare, health and growth of the pigs is strongly determined by the physicochemical quality of the water they have at their disposal, the bacteria it may contain, its taste and smell. The control of water spillage is the second issue when choosing and installing drinkers. Please contact us for personal advice.



## HOW TO CHOOSE BETWEEN BOWL OR NIPPLE?

A pig naturally drinks by suction. As such, a bowl offers a more natural way of drinking, regardless of the age of the animal. Piglets take more food in when they drink from a bowl. Also during the weaning period, we observe less stereotypies (sucking other piglets, etc.) when they can drink from a bowl instead of a nipple. In addition, bowls offer much better spillage control. On the other hand, bowls are more easily soiled by manure or food.

This means that a nipple shouldn't exactly be banned. When the flow rate and installation height are properly adjusted, a nipple always provides clean water, but it holds a high risk of spillage.

## INSTALLATION HEIGHT AND FLOW RATE

PRODUCTION	TYPE OF DRINKER	HEIGHT WITHOUT STEP (CM)	FLOW RATE (L/MIN)	MAX NUMBER OF ANIMALS PER DRINKER
Suckling pig	Bowl	5 - 8	0,5	-
	Nipple	20	0,5	-
Weaning	Bowl	12 - 15	0,5 - 1,0	18
	Nipple	30	0,5 - 1,0	10
Fattening	Bowl	20 - 25	0,8 - 1,0	18
	Nipple	50	0,5 - 0,8	10
Breeding	Bowl	30 - 35	3,0	10
	Nipple	70	1,5	5

## LOCATION OF THE DRINKERS

- Avoid corners and sufficiently space out the water points (competition, aggression)
- Not right next to the feed trough (risk of crowding)
- Clearly visible from the alley for easy control and cleaning
- A slippery floor in a straw area reduces the drinking frequency and the water intake. Provide drainage to avoid soiling the litter.

## HYGIENE

A presence of only 1,5 g of manure in 1 litre of water already affects the water intake and the growth. Besides the risk of diarrhoea, a decreased water intake affects the food intake and consequently also the weight gain, and it causes the build-up of body fat (thickness of backfat). In the lactating sow it increases the risk of constipation, mastitis, agalactia, metritis and urinary disorders

## DRINKING BEHAVIOUR AND WATER NEEDS

- A piglet visits the drinker for the first time within the first 18 hours of its life.
- More than 80 visits to the nipple per day during weaning (stress).
- After weaning, 100% of the piglets visit the drinker at least once between 9 a.m. and 1 p.m. (important for treatments).
- During fattening, a pig drinks 30 times a day and spends 10 to 15 min/day at the drinker.
- The water intake occurs primarily during the daytime with consumption peaks around mid-morning and late in the afternoon.
- More than 75 % of the water intake is associated with the feed periods.

PRODUCTION	DAILY WATER NEEDS
<b>Suckling pig</b> (< 28 days)	0,2 - 0,4 litres
<b>Nursery</b> (early weaning; 5 to 8 kg)	0,7 - 1 litre
<b>Post weaning</b> (8 to 25 kg)	1 - 4 litres
<b>Fattening:</b> 25 to 50 kg	4 - 6 litres
50 to 75 kg	5 - 8 litres
75 to 110 kg	7 - 10 litres
<b>Sow at end of gestation</b>	10 - 15 litres
<b>Lactating sow</b>	15 - 30 litres

# STAINLESS STEEL DRINKING BOWLS FOR PIGS

PORCINOX: A LA BUVETTE® EXCLUSIVE - PATENT EP0970605; EP1175830

## B8 PORCINOX

**Stainless steel bowl for maternity.** Centres: 70 mm - Ø 8 mm

The exclusive LA BUVETTE® PORCINOX bowls are made of non-deforming polished stainless steel and are available in different models adjusted to the pigs' age.



- 1 The stainless steel valve is attached to the bowl by means of two stainless steel screws without welding, so they can be disassembled more easily from the back.
- 2 Automatic water shut-off to work on a drinker without shutting off the water supply line. When you unscrew the lower part of the valve, a ball automatically shuts off the water supply.

Stainless steel valve with 1/2" male gas connection. Adjustable flow rate.  
2 to 4 oblong mounting holes allow you to make up for poor wall drilling.  
These drinking bowls have to be mounted to the wall using a stainless steel fixture (not included).

REF.	DESIGNATION	PACKAGING
1451	Stainless steel drinking bowl for maternity.	Per box of 25
1452	Same as 1451 for low pressure	Per box of 25

## B10 PORCINOX

**Stainless steel bowl for weaners.**

Centres: 70 mm - Ø 8 mm.



REF.	DESIGNATION	PACKAGING
1453	Stainless steel drinking bowl for weaners	Per box of 10
1454	Same as 1453 for low pressure	Per box of 10

## B15 S PORCINOX

**Stainless steel bowl for fatteners from 25 to 110 kg (55 to 250 lbs).**

Centres: 80 mm - Ø 8 mm.



REF.	DESIGNATION	PACKAGING
1456	Stainless steel bowl for fatteners from 25 to 110 kg (55 to 250 lbs).	Per box of 4
1457	Same as 1456 for low pressure	Per box of 4



## B15 L PORCINOX

**Stainless steel bowl for fatteners up to 130 kg (300 lbs).**

**Reinforced stainless steel valve.**

Centres: 80 mm - Ø 8 mm.



REF.	DESIGNATION	PACKAGING
1455	Stainless steel bowl for fatteners up to 130 kg (300 lbs)	Per box of 4

## B19 PORCINOX

**For individual sows, groups, mixed maternity (sows, piglets) and boars.**

**Reinforced stainless steel valve.**

4 fixing points Ø 10,5 mm.  
Centres: 88 mm and 103 mm.



REF.	DESIGNATION	PACKAGING
1458	For individual sows, groups, mixed maternity (sows, piglets) and boars.	Plastic bag

## BALPI LIGHT

**Synthetic drinking bowl for maternity.**

1/2" male stainless steel valve.  
Centres: 85 mm - Ø 10 mm.



REF.	DESIGNATION	PACKAGING
1483	Synthetic drinking bowl for maternity	Per box of 6



### DID YOU KNOW ?

#### The B10 waterer: Non-Spill and Cost-Effective

According to a test carried out by the Chamber of Agriculture of the Pays de la Loire region at the Trinottières farm, the B10 strongly reduces water spilling in comparison to the cast iron control waterers. Spilling was reduced to 4 to 8 % compared to 8 to 12 % for the control waterers. A substantial effect on water consumption and manure distribution costs. The estimated amount saved exceeds 900 € a year for a 100 sow breeding farm.





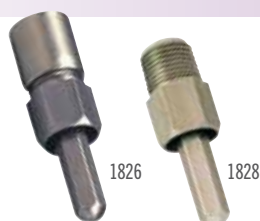
# MOISTENER AND DRINKING NIPPLES FOR PIGS

## POUSTUBE

**Stainless steel finger moistener** with female or male 1/2" fitting.

Flow rate adjustment in upper half.

- Its specific design avoids injuries.
- Never jams: the mechanism is protected from the animals.



REF.	DESIGNATION	PACKAGING
1826	POUSTUBE FEMALE Mini. flow rate: 0,6 l/min. (0.16 USG) - Fitting 1/2" F	Per box of 20
1828	POUSTUBE MALE Mini. flow rate: 0,6 l/min. (0.16 USG) - Fitting 1/2" M	Per box of 20

## DIRECT

**Stainless steel finger moistener.**

Connection 3/8" (12x17) male.

Flow rate adjustment in upper half.



REF.	DESIGNATION	PACKAGING
1827	Mini. flow rate: 0,3 l/mn - Maxi : 3,5 l/mn. Fitting 3/8" (12x17) male.	Per box of 20

## ECO MOISTENERS

A series of 5 all stainless steel models with adjustable flow rate (disassembly), built-in filter, 1/2" male fitting.



REF.	DESIGNATION	PACKAGING
E167	ECO moistener for piglets, weaning and fattening - 1/2" M	Per bag of 5
E168	ECO moistener for piglets and weaning. Very light to push - 1/2" M	Per bag of 5
E169	ECO moistener for fattening, sows and boars - 1/2" M	Per bag of 5
E170	ECO moistener 3 holes for sows and boars - 1/2" M	Per bag of 5
E171	ECO moistener 1 slit for sows and boars - 1/2" M	Per bag of 5

## ECO NIPPLES

A series of 4 all stainless steel models with adjustable flow rate (disassembly), built-in filter, 1/2" or 3/4" male fitting.



REF.	DESIGNATION	PACKAGING
E160	ECO watering nipple for piglets - 1/2" M	Per bag of 5
E161	ECO watering nipple for weaning - 1/2" M	Per bag of 5
E163	ECO watering nipple for fattening, sows and boars - 1/2" M	Per bag of 5
E165	ECO watering nipple for fattening, sows and boars - 3/4" M	Per bag of 5

## DIRECTO PREMIUM

**Watering nipples with adjustable flow rate without disassembly.**

The Directo Premium watering nipple is designed to optimise water consumption in all stages of pig farming: **farrowing, weaning, fattening.**



**The flow rate is adjusted without disassembly**, to the water pressure in the system and the type of animal: less spilling, decrease the slurry volume and control of the production costs.

Any deposits in the water lines can be drained by fully opening the set screw. To shut off the water supply you only have to fully tighten the set screw.

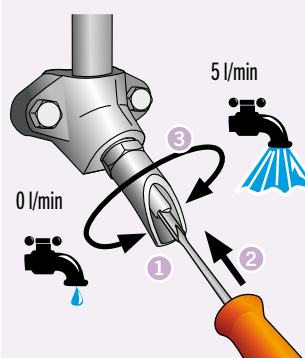
1/2" male fitting. Suitable for low and standard pressure.

Long life guaranteed by its 3 stainless steel parts (body, tube and spring).

Easy mounting with hexagon nut (mounting bracket A804 and A801, see ACCESSORIES).

REF.	DESIGNATION	PACKAGING
1816	Directo Premium 50 : For piglets Body Ø 16 mm - 1/2" M fitting	Per bag of 5
1817	Directo Premium 70 : For weaning Body Ø 19 mm - 1/2" M fitting	Per bag of 5
1818	Directo Premium 90 : For fattening, sows and boars - Body Ø 23 mm - 1/2" M fitting	Per bag of 5

### FLOW RATE ADJUSTMENT: DIRECTO PREMIUM



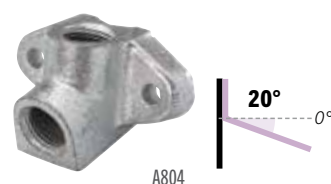
**There is nothing more easy to increase the flow rate.**

- 1 Insert the blade of the screwdriver in the slot at the end of the tube valve.
- 2 Push the tube against the flow rate regulating cone.
- 3 Turn clockwise.

## + ACCESSORY

**Mounting bracket made of unbreakable galvanised cast iron.**

Centres: 50 mm for 8 mm screws.



REF.	DESIGNATION
A804	Support 20° pour DIRECTO 50, 70 et 90 (uniquement pour les cases maternité)

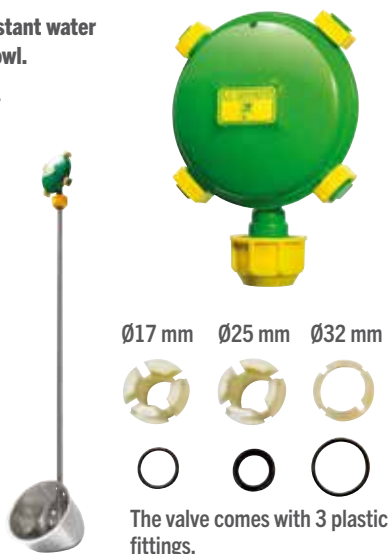


# PIG BREEDING EQUIPMENT

## MEMBRANE VALVE

Valve to maintain a low constant water level in a group trough or bowl.

Connection ½" (15x21) Male.



REF.	DESIGNATION
1820	Membrane valve (with fittings)

## + ACCESSORIES

REF.	DESIGNATION
1821	Stainless steel pipe, non-threaded - 120 cm long
4130404	Stainless steel bowl B19 (without valve) see spare parts catalogue
4130403	Stainless steel bowl B15 (without valve) see spare parts catalogue

## SORTING PANEL

Sorting panel in HD polyethylene.



REF.	DESIGNATION
D144	Small model: 87x77 cm (34¼"x30¼"). Very sturdy (4.7 kg, 10 lbs)
D145	Large model: 120x77 cm (47¼"x30¼"). Very sturdy (7 kg, 15½ lbs)

## CADAVER COVER

Cadaver cover in polyethylene.



REF.	DESIGNATION
D140	L 240 x W 130 x H 60 cm (8 x 4¼ x 2 ft). Light (20 kg, 45 lbs).



## OUTDOOR PIGS

**THERMOLAC 40 and 75 GV:**

Non-electric frost-free drinkers, perfect for both outdoor and indoor use.



Frost free down to -30 °C.

Their large insulated drain plugs - Ø100 mm (4") allow cleaning without the need to remove the cover.

They work according to the Thermos flask principle: a double food-safe HDPE wall is insulated with polyurethane foam.

More information [page 40](#).

REF.	DESIGNATION
1671	Frost-free non-electric 75 L waterer with 2 balls, float valve for standard pressure
1672	Frost-free non-electric 40 L waterer with 1 ball, float valve for standard pressure



### DID YOU KNOW ?



Mrs SCHERRIER, breeder of pigs outdoors in the Isère department, has tested and approved the THERMOLAC.

For easier access to the water, she recommends adding a small step of approximately 20 cm.

## DOSING PUMPS

Accurate and reliable dosing pumps for medication, supplements, disinfection, ...



More information [page 55](#).



# ADVICE FROM LA BUVETTE® ABOUT DRINKING SOLUTIONS FOR HORSES

Water is vital to your horses, both for their health and for their performance. And it has to be supplied to them in sufficient quantities of the appropriate quality, at the right place and at the right moment. The daily water intake varies according to the type of animal, its food, activity, weight, the ambient temperature and the relative humidity of the air.

## FUNCTIONAL CHARACTERISTICS OF A DRINKER FOR HORSES

- **MINIMUM Available volume:** 2,5 litres for a drinker with tube or paddle ; 4,5 litres for a drinker with constant water level.
- **MINIMUM Flow rate:** 10 l/min for a drinker with tube or paddle ; 6 l/min for a drinker with constant water level.
- **MINIMUM Access area:** 21 to 25 cm diameter (Ø8.3 to 8.5").
- **MINIMUM Depth:** 10 to 12 cm (3.9 to 4.7").

## DRINKER INSTALLATION HEIGHT

- **Adult horses:** 100 to 120 cm (3.3 to 3.9 ft)
- **Ponies:** 55 to 90 cm (1.8 to 3 ft) according to their height.

### Why adapt the height of the drinker?

- Guarantee easy access and drinking comfort (risk when too high)
- Avoid that the horse bumps its head (risk when too high)
- Reduce the risks of the trough to be broken (risk when too low)
- Reduce soiling (straw, dung) (risk when too low)



**Blueintelligence®**

## CONNECTED BLUE INTELLIGENCE® DRINKING BOWL

**BLUE INTELLIGENCE®** is an innovative electronic system designed and developed by LA BUVETTE® for automatic and centralised monitoring of the water consumption of horses and triggering an alarm in real time in case of abnormal consumption.



**MONITOR**



**WARNING**



**REMOTE CONTROL**



To watch the animated demonstration, scan this QR-code or go to:

[www.blueintelligence-labuvette.com](http://www.blueintelligence-labuvette.com)



## DO YOU NEED MORE ADVICE ON WATERING SOLUTIONS FOR HORSES?

- Which drinker suits which application and horse?
- How many litres drinks a horse, when and how?
- How to choose the right location of the drinker?
- Which solutions exist to protect your drinkers from frost?
- The rules to follow...

Read all advice from LA BUVETTE in the HORSE catalogue on [www.labuvette.com](http://www.labuvette.com).  
The LA BUVETTE service is also at your disposal at +33 324 523 723.





# COMPLETE RANGE OF DRINKERS AND MATERIAL FOR HORSES

## DRINKERS



## FEED TROUGHS



## OBSTACLES



## STABLE EQUIPMENT



### DID YOU KNOW ?

#### MAKE USE OF THE LA BUVETTE® SERVICE:

- Know-how and advice from experts shared with the dealers and the end users alike
- Reliable and innovative Made in France products that are often awarded and known in many countries around the world
- Available and efficient after-sales service
- Meet people from LA BUVETTE® at your disposal in your country
- All LA BUVETTE® resources (location of sales points, technical information, installation instructions, exploded views, photos, videos...) are easily accessible on [www.labuvette.com](http://www.labuvette.com).



### OUR ADVICE

#### DISCOVER LA BUVETTE'S WIDE RANGE OF PRODUCTS FOR HORSES:

- Drinkers for indoor and outdoor use
- Drinkers connected to Blue Intelligence®
- Reliable and efficient antifreeze solutions
- Feed troughs for indoor and outdoor use
- Stable and arena equipment (carts, wheelbarrows, long-handled tools, obstacles...)
- Soil stabilisation

The LA BUVETTE® HORSE CATALOGUE is freely available.  
Ask for it or download it from [www.labuvette.com](http://www.labuvette.com)



# CONNECTION ACCESSORIES

## MOUNTING SET



### CONNECTION SET

REF.	DESIGNATION
A359	Connection set for water circuit (FORSTAL, p.10): 2 stainless steel 3/4" tubes + rotary union
A363	Connection set for water circuit (POLYSTALL, p.28): 2 stainless steel 3/4" tubes + T 1/2" + rotary union 3/4"
A367	Connection set for water circuit suitable for waterer with 3/4" T: 2 stainless steel 3/4" tubes
A365	Same as A367 with T for valve with 1/2" connection
A368	Connection set for water circuit suitable for MULTI 220 (p.38)
A373	Connection set for water circuit - for small spaces: 2 stainless steel tubes 3/4" male
A416	Montage set with 1 flexible tube 1 m (3.3 ft) and fitting + 1 tapping sleeve A818 + 1 stainless steel outlet pipe 1/2" (15x21), 74 cm (29") long, male - female
A309	Complete set to connect a LAC5, LAC55 or BABYLAC drinker mounted on a height-adjustable A308 bracket (p. 87).

### PIPES

REF.	DESIGNATION
A459	1/2" threaded stainless steel pipe, male-male, 74 cm (29") long
A469	1/2" threaded stainless steel pipe, male-female, 74 cm (29") long
A470	1/2" threaded stainless steel pipe, male-female, 1 m (3.3 ft) long

## 1/2" FITTINGS



REF.	DESIGNATION
A822	Stainless steel female-female bushing 1/2" (15 x 21)
A823	Synthetic female-female bushing 1/2" (15 x 21)
A833	Brass fitting 3/4" (20 x 27) male - 1/2" (15 x 21) female
A829	Extension with 2 threaded ends 1/2" (15 x 21), brass, 55 mm (2") long for mounting LAC 5 and LAC 55 on vertical tube

## HEATING ELEMENT 24V/30W

Protects the valve and increases the anti-freeze drinkers capacities.

For countries with extremely cold winters.



REF.	DESIGNATION
A335	Heating element 24 V - 30 W for THERMOLAC™

## PRESSURE REDUCERS

Pressure reducers with gauge.  
High flow rate model: ref. A406.

A405  
A406



REF.	DESIGNATION
A405	Pressure reducer with gauge, connection 3/4" Max. flow: 15l/mn at 4 bars (4USG at 58psi).
A406	Pressure reducer with gauge for high flow rate - connection 3/4" Reduces the pressure but keeps an high flow rate.

## FILTER

Recommended at the beginning of every water supply for waterers.



REF.	DESIGNATION
A446	6m3/h - 100 microns - connection 26 x 34 (1")
A445	Filter element 100 microns

## BRAIDED HOSES

Stainless steel braided hoses with 1/2" or 3/4" connection.



REF.	DESIGNATION
A452	Length: 600 mm (23.6"), with 2 swivels 15 x 21 (1/2") + fitting male-male
A453	Length: 300 mm (23.6"), with 2 swivels 15 x 21 (1/2") + fitting male-male
A454	Length: 1000 mm (39.4"), with 2 swivels 15 x 21 (1/2") + fitting male-male
A455	Same as A452 in blister pack
A458	Same as A454 in blister pack
A480	Length: 600 mm (23.6"), with 2 swivels 20 x 27 (3/4") (female) + fitting male-male
A481	Same as A480 in blister pack
A482	Length: 1000 mm (39.4"), with 2 swivels 20 x 27 (3/4") + fitting male-male
A483	Same as A482 in blister pack

## TAPPING SLEEVES / PLUGS



REF.	DESIGNATION
A806	Tapping sleeve - Galvanised cast iron body for water pipe with 1/2" (15x21) male fitting. Also suitable for 1.25" (33x42) and 1.5" (40x49) tubes.
A818	Plastic tapping sleeve with double groove exit, Ø 16 and 13 mm (0.6 and 0.5")
A391	Male 3/4" stainless steel screw plug
A392	Male 3/4" brass screw plug



# PROTECTIONS AND MOUNTING ACCESSORIES

## MOUNTING BRACKETS

### Adjustable mounting bracket:

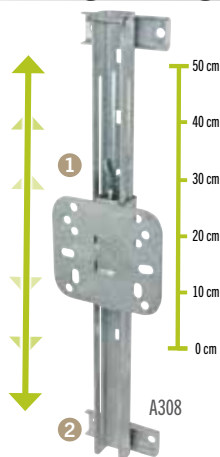
System to adjust the drinker height to the litter thickness.

Perfect for young calves, sheep and goats on deep litter.



1 Adjustable without tools every 10 cm up to 50 cm.

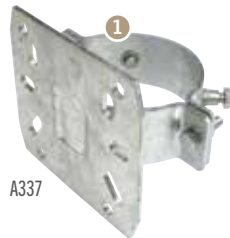
2 4 fixing points.



For the mounting on Ø102 (4") and 140 mm (5.5") poles:



A331



A337



1 Double clamping system to avoid rotation.

2 Suitable for standard and octagonal posts.



A334



A315 / A316



A361



A362

REF.	DESIGNATION
A308	Galvanised steel wall support to adjust the drinker height. Perfect for BABYLAB™ drinker. Total height of 50 cm (20"), adjustable every 10 cm (4"). Can be installed on a pole with a counter flange. (Provide a stainless-steel hose or A309 set, p. 86).
A331	Mounting bracket for waterers on pole Ø102 mm (4") or octagonal: For S4, F11, FORSTAL, F30, F30A, F60, LAC 5/55/10, BABYLAB™/T, F110 Inox, F130 Inox, F130 EL.
A334	Obligatory mounting bracket for F110 and F130 on poles Ø 50-75 mm (2"-3"). You can also use it for BABYLAB™, F11, F30, F30A and F60.
A337	Same as A331 for pole Ø 140 mm (5.5") and octagonal.
A315	Set of 2 galvanised steel brackets for F11 - F30 - F60 - F110 Inox - BABYLAB™ on tubes up to Ø 50 mm (2").
A316	Same as A315, for tubes of Ø 50 (2") up to 75 mm (3").
A361	Corner plate for F11 - FORSTAL - F30 - F130 - LAC 5/10 - BABYLAB™ T F110 INOX.
A362	Corner plate for BABYLAB™.



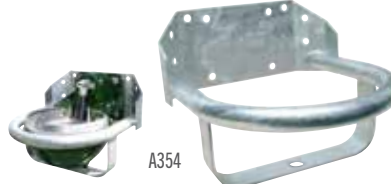
## PROTECTION FRAMES



A352



A353



A354



REF.	DESIGNATION
A352	Protection frame in galvanised steel suitable for F11, FORSTAL, F30, F130, LAC 5, LAC 10. Wall or corner mounting - fits brackets A331. Dim.: D 366 x W 334 x H 235 mm (14.4" x 13.1" x 9.3").
A353	Protection frame in galvanised steel suitable for F60. Wall mounting. Dim.: L 518 x D 378 x H 173 mm (20.4" x 14.9" x 6.8").
A354	Protection frame in galvanised steel suitable for F130 EL. Wall or corner mounting - fits brackets A331. Dim.: D 379 x W 353 x H 271 mm (14.9" x 13.9" x 10.7").

## PROTECTIONS

Special protection for insulated water lines: Larger width and depth than standard protection to avoid compression of the insulating foam jacket.

Protection for tube valve:  
For animals with a nose ring.

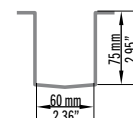


A341

A342



A358



REF.	DESIGNATION
A341	Stainless steel protection for valve of F60.
A342	Stainless steel protection for valve of F30 / F30A.
A358	Water pipe protection in galvanised steel - useful dim. L. 750 x W. 60 x D. 75 mm.



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A917 / A918



A919



A916



A915

A921



2



3



A913 / A914

1

1 LA BUVETTE display, single or double-sided, ideal for your showrooms, trade fair stands, etc.

2 Labels for identification and to help the customer to choose.

3 Numerous references of spare parts in blister pack.

REF.	DESIGNATION
A913	Display stand for drinkers, double-sided (empty)
A914	Display stand for drinkers, single-sided (empty)
A915	Recto Verso "stop-shelf" product range panel
A916	Fixing pin + plug for A915
A918	Front 100 cm x 17 cm in PVC
A917	Front 133 cm x 17 cm in PVC
A919	Magnetic holders for PVC front (set of 2)
A921	Transparent document holder
205 x 40 mm label with product information for label holder	





Documentation,  
spare parts, mounting  
instructions and videos  
on our web site:  
[www.labuvette.com](http://www.labuvette.com)



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