

GENERAL CATALOGUE

2021



**LA BUVETTE®**

The Specialist in Livestock Drinking Solutions



# LA BUVETTE® , SPECIALIST IN LIVESTOCK DRINKING SOLUTIONS FOR OVER 75 YEARS



## ANIMAL AND HUMAN WELFARE IS THE KEY TO SUCCESS

Jean-Philippe BOUSQUET, CEO of La Buvette

2020 was marked by this unprecedented COVID-19 health crisis. But luckily, the agricultural communities and especially the stockbreeders everywhere continued doing their vital job for everybody. In these confusing times, LA BUVETTE is proud to move forward together with the breeders while maintaining research and development efforts to keep offering new solutions. With over 75 years of history, we always kept in mind the same goal: to be the creators of animal and human welfare, the keys to the success of the breeders.

Therefore, this 2021 Catalogue holds 8 new products: The **EASY-STALL 45 & 100** stainless steel drinking troughs with constant level (p. 28), the **SOLAR-BASIC** solar pump (p. 62) and the **OVITUBE** and **OVICAP INOX** stainless steel drinking troughs for sheep/goats with their heating elements (p. 87).

Although they will never be able to fully replace the richness of personal exchanges that characterise trade fairs, shows and open house days, virtual contacts are naturally playing an increasingly important role. The new LA BUVETTE website and our social networks allow us to stay close to our network of breeders. The number of LA BUVETTE videos is growing and they are highly appreciated. Our tutorials, the recent “Tips from users” and the presentations of new products are really helpful to our clients. So, we dare say “don’t forget to suscribe”, since more videos are coming up soon.

We, at LA BUVETTE, work hard every day to offer you new solutions, to always reinvent and adapt ourselves in order to be prepared for the challenges of tomorrow. Our teams are more than ever by your side.



QUALITY  
MADE IN FRANCE

## EXPERTISE AND KNOW-HOW

LA BUVETTE has been manufacturing equipment for breeders for over more than 75 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.

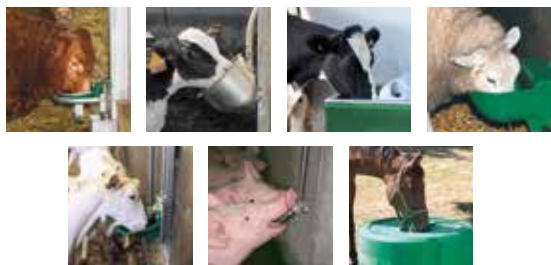
Therefore, LA BUVETTE® possesses a modern and efficient factory at Charleville Mézières in the north-east of France. It directly employs 50 people and is linked to a group of 150 employees.

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 highlighted every year by the release of new equipment such as the new EASY-STALL 45 & 100, OVITUBE and ISOBAR 250 drinkers protected by several patents.



Whether you are breeder/user or dealer/installer of our products, the new LA BUVETTE website really is a **useful tool** that is available 24 hours a day.

The new version improves the services that were already present:

- Complete media library from which all documents can be downloaded freely: mounting instructions, exploded views, catalogues, HD pictures, video tutorials, guides, LA BUVETTE newsletters...
- PRO section with price lists for the dealers.

## 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 eagerly awaits the return of all the exhibitions in which we take part such as the SOMMET de l'ELEVAGE in Clermont-Ferrand, EUROTIER in Hanover, AGROFARM in Moscow as well as EQUITA Lyon, so many occasions to meet the breeders and dealers and to present the new LA BUVETTE products, but also to discover the needs of the breeders allowing us to further develop the LA BUVETTE product range and to offer new solutions.



## NEW LA BUVETTE VIDEOS ON FACEBOOK AND YOUTUBE

Installing a drinker or solar pump, welding polyethylene or replacing a flow set screw becomes child's play watching the LA BUVETTE videos. Just read the reviews of the users of solar pumps and calf hutches! There are already more than twenty videos available on **facebook.com/labuvette.bovin/videos** and YouTube: LA BUVETTE.



## LA BUVETTE WEBSITE: SPECIALLY DESIGNED FOR YOU

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

### What's new?

- Easy and intuitive navigation in a secure way from all your terminals.
- Revised search engine for greater efficiency.
- New, more practical classification of products.
- More comprehensive product sheet from now on comprising all compatible references allowing to find at a glance the spare parts of a drinker or any other material (and vice-versa).
- Addition of many tips and educational contents.

**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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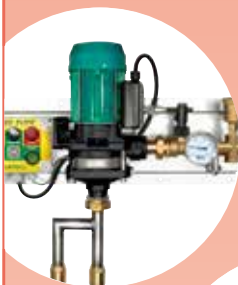
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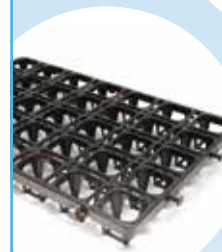


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**UNITS CONVERSION TABLE**

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

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.

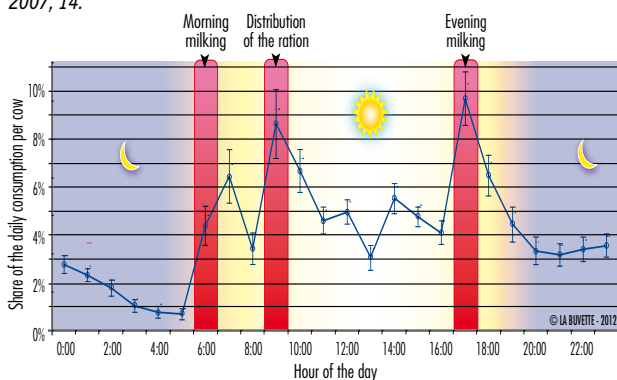


## ZOOM ON THE HABITS OF CATTLE IN STABLE

- 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	15	Step + 0,5 m
Dairy goats/ewes	10	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 60 cm (2 ft) per cow and the maximum distance in the stable to the drinker is 20 m (2.2 yd).
- 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 and to be used as steps.
- 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 100µ filter at the beginning of the water line (page 98) 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. 98) 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.

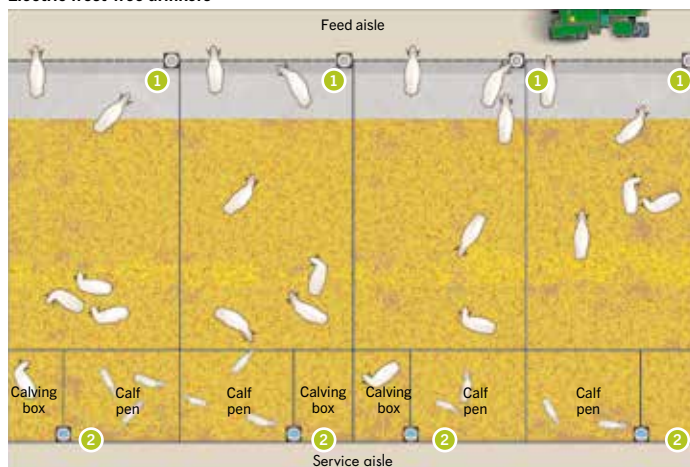
## OUR ADVICES

- 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.

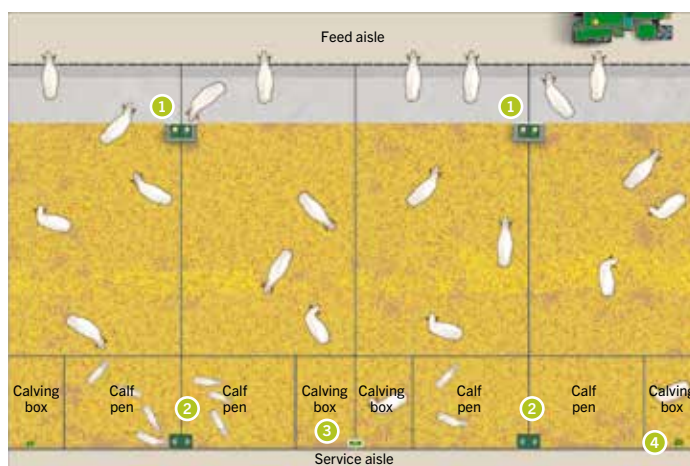
## NURSING COW BUILDING

### 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 = 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.

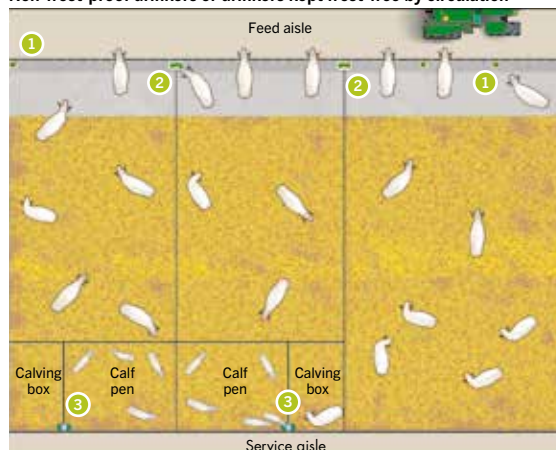
### CATTLE:



- 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 or LAC50 (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) or MICHIGAN DUO**  
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.

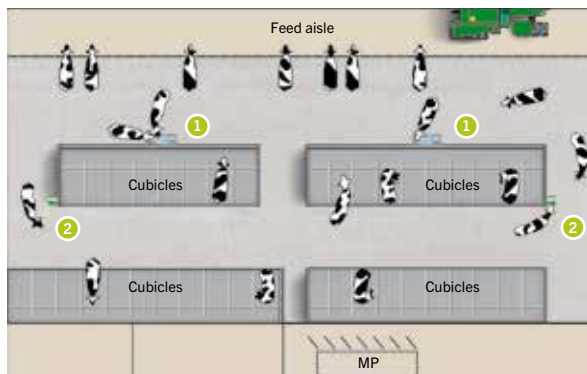


Tips on other building layouts are proposed in our La Buvette News No 24 of June 2014 that can be downloaded from [www.labuvette-waterers.co.uk](http://www.labuvette-waterers.co.uk).



## DAIRY COWS BUILDING

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



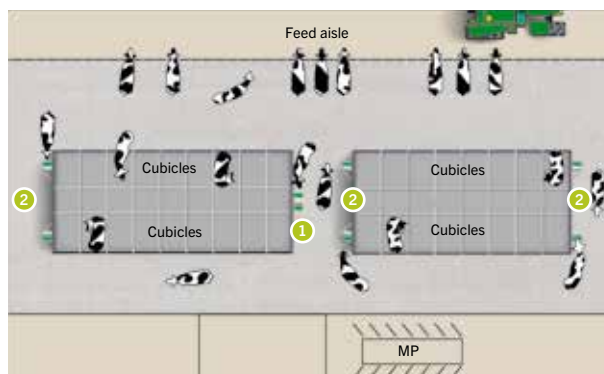
#### 1 LB150 or GV150

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.

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



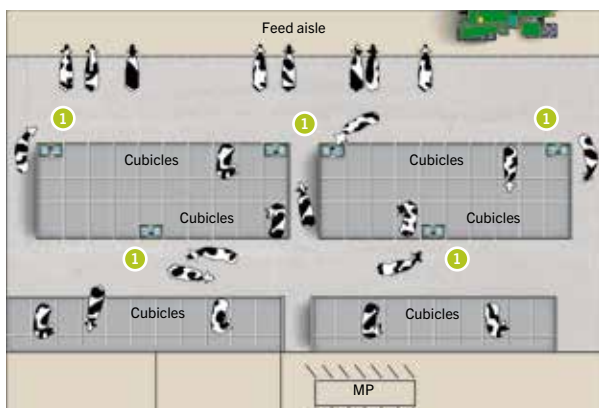
#### 1 POLYSTALL TWIN PREMIUM (double access)

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.

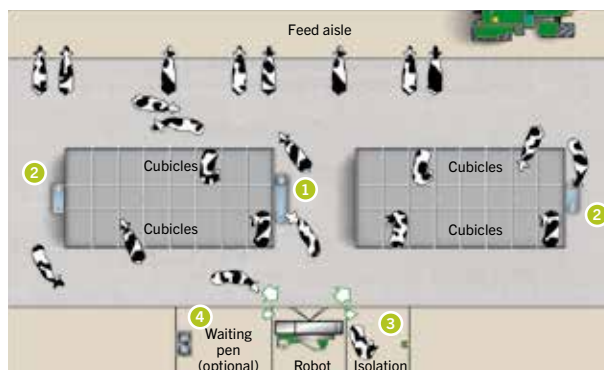
### 3 ROWS OF CUBICLES WITH NARROW PASSAGeways



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

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.

### 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

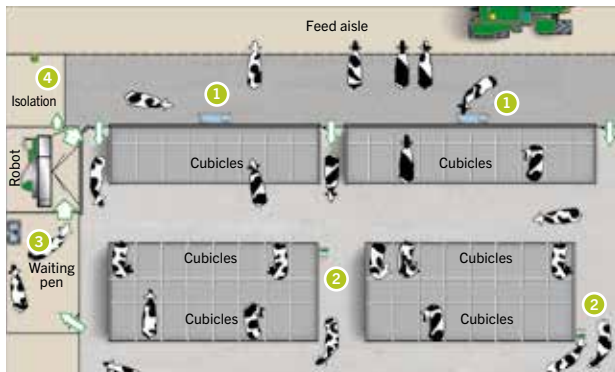
Additional drinkers must be installed at each end of the building as they are less frequently visited than the ones in the centre of the building. Double or triple access drinkers are particularly suitable.

#### 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

### 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

### 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.

# CAST IRON DRINKING BOWLS WITH CONSTANT WATER LEVEL

## LAC 5

Universal cast iron drinking bowl with constant water level.



- 1 Large capacity: 5 litres
- 2 Stainless steel valve cover
- 3 Drain plug without tool
- 4 Horizontal or vertical water supply from below.

L. 30 x W. 26 x H. 24,5 cm  
(11.8" x 10.2" x 9.4")  
Centres: 148 mm (5.5") - Ø15 mm (0.6")

Connection on horizontal 3/4" tube.

Can be connected on vertical 1/2" tube from bottom with accessory A829 (see ACCESSORIES)



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

## LAC 55

Double cast iron bowl with constant water level.



- 1 Float valve protected by a stainless steel cover.
- 2 Drain plug without tool
- 3 Horizontal or vertical water supply from below.

L. 45 x W. 27 x H. 24 cm (17.7" x 10.6" x 9.4")  
Centres: 130 mm (5.1") - Ø15 mm (0.6")

Connection on horizontal 3/4" tube.

Can be connected on vertical 1/2" tube from bottom with accessory A829 (see ACCESSORIES).

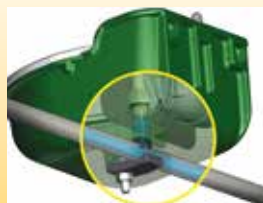


REF.	DESIGNATION	PACKAGING
1628	Cast iron double bowl with Polycoat. Constant water level.	Plastic bag
1620	Same as 1628	Carton apiece



### DID YOU KNOW ?

Two possibilities to connect the LAC5, LAC5A and LAC55 drinkers to the water:



1. **Horizontal (tapping):** drilling a Ø6 mm hole in a tube of Ø25 mm under the bowl (picture).
2. **Vertical (threaded):** screwing of brass male-male 1/2" fitting (15x21 mm) ref. A829.

## LAC 5A

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



- 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 3/4" (tapping) or vertical 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

## BABYLAC

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.



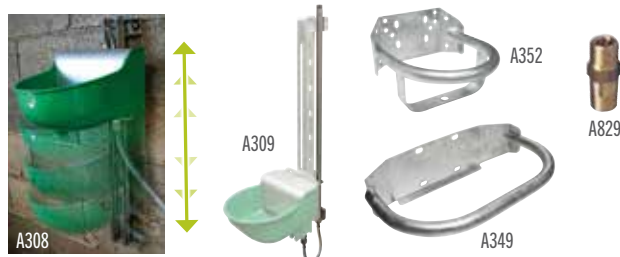
- 1 Very sturdy 2,5 litres bowl of grey cast iron
- 2 Stainless steel valve cover
- 3 Drain system without tools
- 4 1/2" M water supply from right or left.

L. 26 x W. 25 x H. 17 cm (10.2" x 9.8" x 6.7"); Centres: 110 mm - Ø14 mm.



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

## + ACCESSORIES



REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 99)
A309	Complete connection set for LAC5/55 or BABYLAC mounted on A308
A349	Metal protection frame in galvanised steel for drinking bowl LAC 55
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 1/2" MM for LAC 5, LAC 5A and LAC 55



# DRINKING TROUGHS IN POLYETHYLENE WITH CONSTANT WATER LEVEL



## LAC 10 (SYNTHETIC BOWL)

### Synthetic drinking bowl with float valve.

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

 8 l/mn at 3 bars

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



Large Capacity: 5.5 litres. Adjustable water level.  
Connection 1/2" (15x21) from bottom.  
4 oblong fixing points.

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

## BIGLAC 25 & 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.

 32 l/mn at 3 bars



- 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
1658	Waterer on polyethylene with constant level valve for standard pressure without protection frame
1659	Waterer on polyethylene with constant level valve for standard pressure with galvanised protection frame



## LAC 50

### Large non-spill bowl with constant level. Large access to the water:

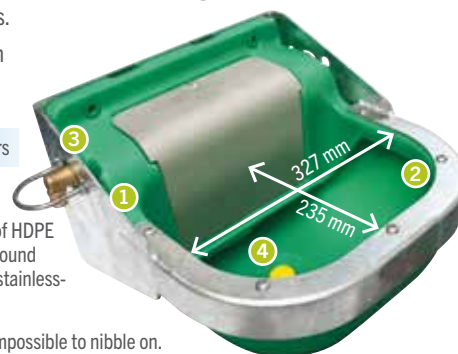
Ideal between two pens.

L. 42 x W. 40 x H. 30 cm  
(16.5" x 15.7" x 11.8")

 32 l/min. à 3 bars

- 1 16 litres bowl made of HDPE with galvanised all-around protection edge and stainless-steel cover.
- 2 Inward folded edge impossible to nibble on.
- 3 Protected water supply from the left or the right.
- 4 Drain system without tools and inside design without nooks for easy cleaning.

Adjustable water level. Maximum capacity of 16 litres, minimum 8,5 litres.  
Fitting 1/2" M (15x21), right/left reversible.  
4 fixing points. Centres: 270 mm - Ø14 mm.



REF.	DESIGNATION
1660	Wall-mounted drinker with constant level and built-in protection.

## + ACCESSORIES



REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 99)
A352	Metal protection frame in galvanised steel for drinking bowl LAC 10.
A331	Mounting bracket for LAC 50 on pole Ø 102 mm (4") and «Trèfle»
A337	Mounting bracket for LAC 50 on pole Ø 140 mm (5 1/2") and «Trèfle»
A336	Mounting bracket for LAC 50 on H-shaped post (without drilling; 100-200 mm wide)
A614	Low pressure valve for LAC50 for water supply by gravity (<1 bar or 14.5 psi).

# DOUBLE ACCESS DRINKERS AND LARGE TROUGH FOR MILK PRE-COOLER EXIT

## 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")

 32 l/mn at 3 bars

1 Two drain plugs without tool.

Connection 1/2" (15x21) from top or bottom.  
Galvanised frame for wall or fence mounting.



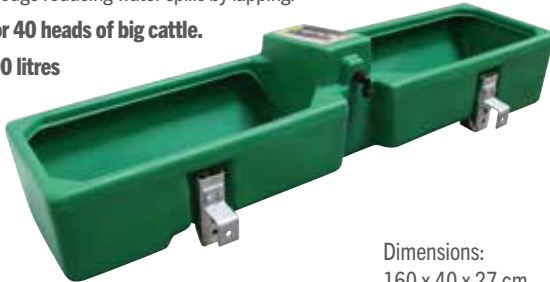
REF.	DESIGNATION
1652	Double waterer on polyethylene with constant level valve for standard pressure

## 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



 32 l/mn at 3 bars

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

Connection 1/2" (15x21) from top or bottom.  
Galvanised frame for wall or fence mounting.

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

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

## 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

## + 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



# CAST IRON BOWLS FOR LITTLE SNOUTS

## BABYLAB™ T

PATENTED

**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.

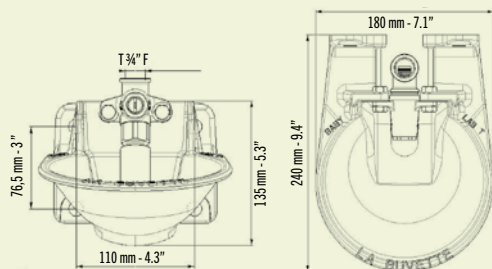
**A pressure of 300 g on the push tube is enough to open the valve.**



- 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



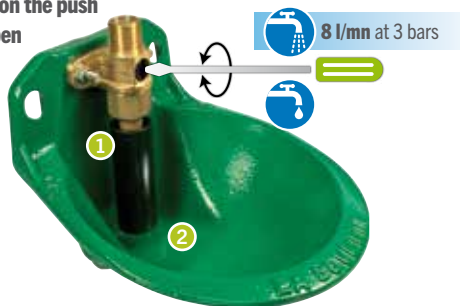
## BABYLAB™

**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

**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.



5 l/mn at 3 bars

- 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"

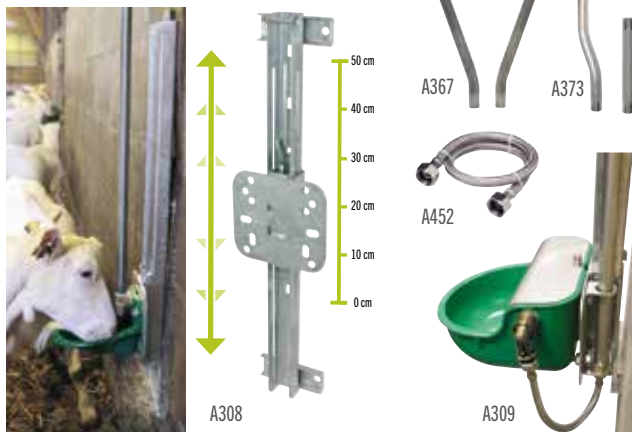
Capacity: 2,5 litres.

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 99)
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 drinkers on pole Ø 102 mm (4") and «Trèfle»
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



# SYNTHETIC DRINKING BOWLS WITH PADDLE OR TUBE VALVE

## FORSTAL

**Shock resistant synthetic bowl.**

Perfect for cattle or horses.  
4 fixing points.

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



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



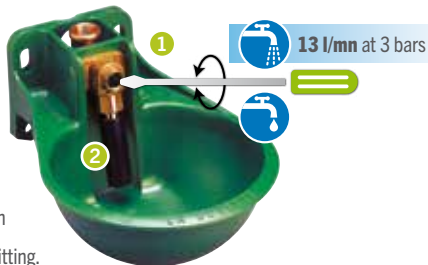
REF.	DESIGNATION	PACKAGING
3021	Synthetic drinking bowl with horizontal paddle - Brass $\frac{3}{4}$ " valve	10 per carton
3023	Same as 3021	Carton apiece

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
- 3 Also available with T fitting.

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

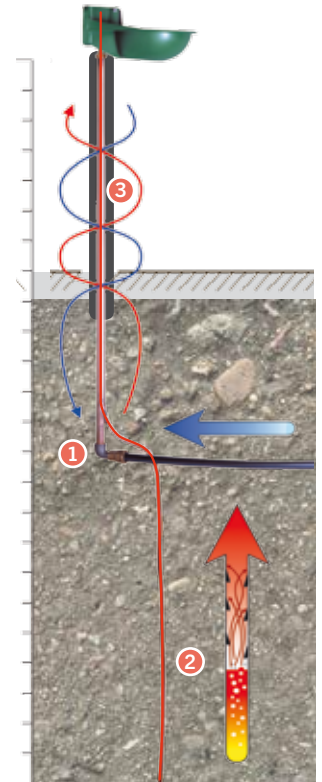
## + GEOTHERMAL PROBE

**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.**

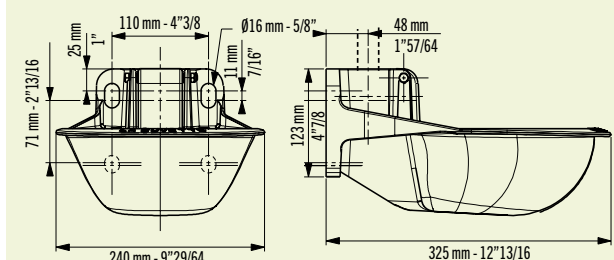
The geothermal probe contains a heat transfer gas. The probe is inserted into a copper tube and transfers the heat from the soil to the drinking bowl fittings to keep them frost-free.



- 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

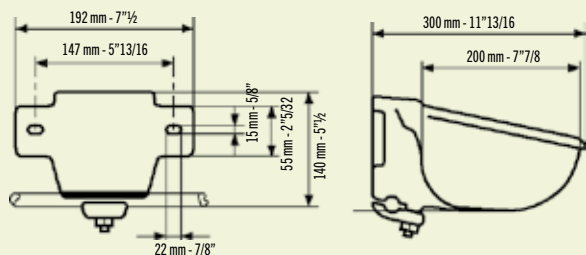
 15 l/mn at 3 bars

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 drinker has been demonstrating its quality for nearly 40 years. It is easy to remove from the front and 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-waterers.co.uk](http://www.labuvette-waterers.co.uk)



## F11

Cast iron bowl with brass 3/4" valve. Reliability tried and tested for nearly 40 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

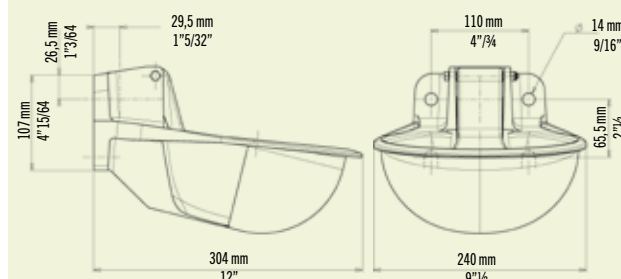
 12 l/mn at 3 bars

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 galvanized steel brackets for mounting on tubes up to Ø 50 mm (2")
A316	Set of 2 galvanized steel brackets for mounting on tubes Ø 50 to 75 mm (2" to 3")

# CAST IRON DRINKING BOWLS WITH MULTIPLE CONNECTION POINTS

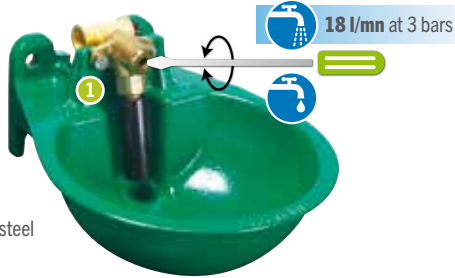
PATENTED

## 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 optional 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

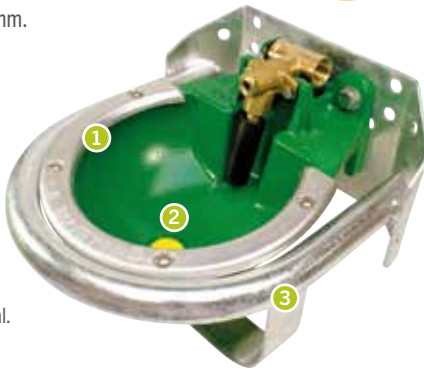
Same bowl as F30 with non-spill system tested and approved since 2001.

Limits water spilling and dirty litter.

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

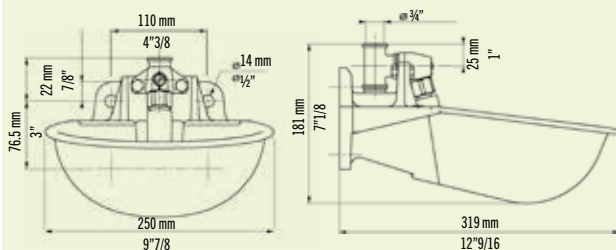


- 1 Metal non-spilling edge.
- 2 Drain plug without tool.
- 3 Protection frame optional. (A352)



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



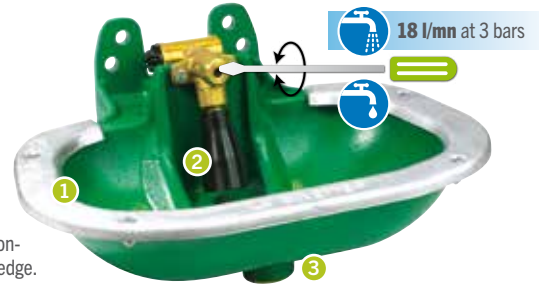
## F60

Oversized cast iron bowl with non-spill metal edge.

6 fixing points.

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

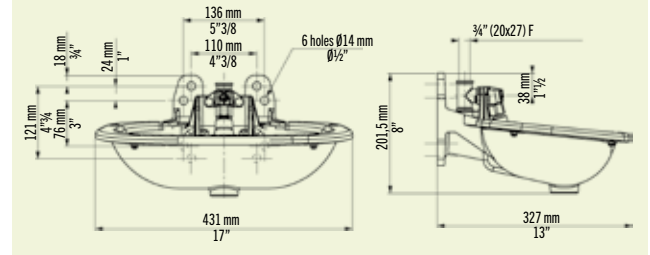
Connection 3/4" (20x27).



- 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 drinkers on pole Ø 102 mm (4") and «Trèfle»
A336	Mounting bracket on H-shaped post (without drilling ; 100-200 mm wide)
A337	Mounting bracket for drinkers 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

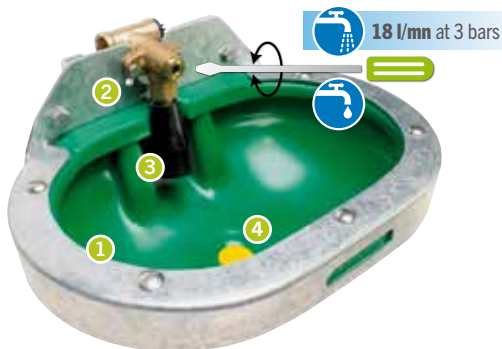
PATENTED

## 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).

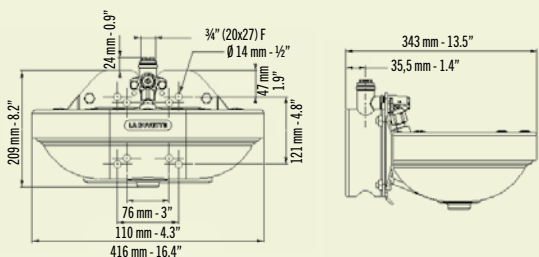


- 1 Hot-dipped galvanised all-around protection edge: stronger and avoids nibbling.
- 2 Brass or stainless steel valve.
- 3 Jet breaker in the push tube.
- 4 Drain plug without tool.



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 drinkers on pole Ø 102 mm (4") and «Trèfle»
A336	Mounting bracket on H-shaped post (without drilling ; 100-200 mm wide)
A337	Mounting bracket for drinkers on pole Ø 140 mm (5½") 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.

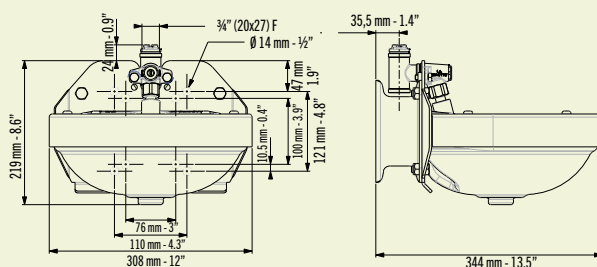
Connection 3/4" (20x27 mm).



- 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).

## DID YOU KNOW ?

The new LAC 50 is the equivalent of F40 with constant level (see p. 9).



# 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 auto-  
matically if the valve is removed.  
½" (15x21) male connection.

 **7,2 l/mn** at 3 bars

Installation height: 60 - 70 cm  
See accessories on page 98.



REF. DESIGNATION

1458 Stainless steel drinking bowl with stainless steel ½" 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 ¾" 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.



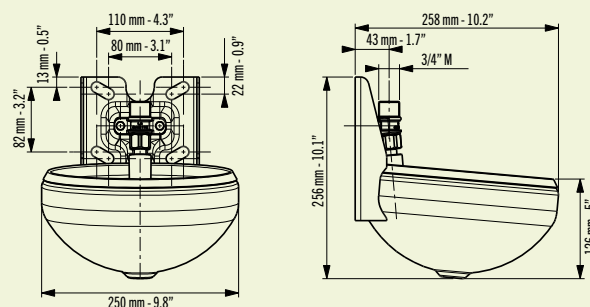
Not compatible with A352 protection frame.



REF. DESIGNATION

3209 Stainless steel drinking bowl - Stainless steel ¾" valve

### MOUNTING OF F110 INOX



## + ACCESSORIES



A361



A334



A331 / A337



A336

REF. DESIGNATION

A361 Corner plate

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

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

A336 Mounting bracket on H-shaped post (without drilling; 100-200 mm wide)

A337 Mounting bracket for drinkers on pole Ø 140 mm (5½") 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

## 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.

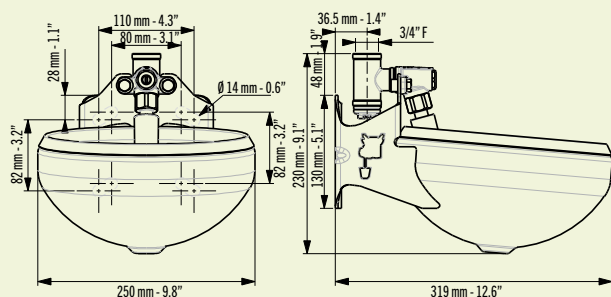


Top view

- 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



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 drinkers on pole Ø 102 mm (4") and «Trèfle»
A336	Mounting bracket on H-shaped post (without drilling ; 100-200 mm wide)
A337	Mounting bracket for drinkers 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).



# 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 drinkers 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 drinkers.	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>Heating strip and cable</b>	Devices to be installed on the water lines. The self-regulating strip heats the cold parts of the installation. The full length of the cable is heated as soon as the built-in thermostat is triggered.	Economical consumption	230 V	Tape: Up to 10 W/m (regulated) Cable 230 V: 16 W/m from 6 °C	For surface lines in already existing installations.	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>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
25	 <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).
26	 <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).
27	 <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).
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>EASY-STALL</b>	<b>NEW</b> Stainless steel water troughs with constant level, easy access of 45 or 100 cm wide to the water, with or without electrical resistance under the bottom (option).	Cattle	24 V	80 W (continuously)	For all installations.	Down to -20 °C (-4 °F).
32	 <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).
38	 <b>MICHIGAN DUO BAIKAL 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).
40	 <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
12	 <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).	Horses and young cattle	Underground water supply lines, FORSTAL drinker with paddle.	Down to -15 °C (5 °F).
44	 <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).
97	 <b>ISOBAR 250</b>	A water reserve that is maintained at a controlled temperature by the double-walled trough and floating cover filled with high density polyurethane foam	Horses in small numbers	Manual filling (no water connection)	Down to -15 °C (5 °F).

See detailed descriptions on the following pages.

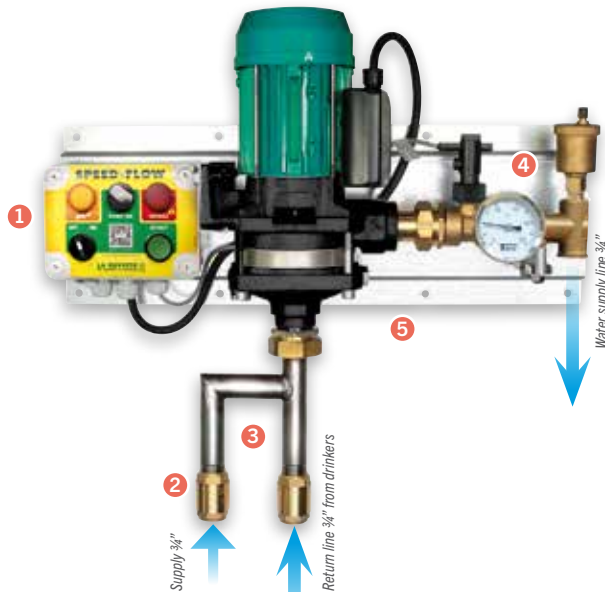
# FROST-FREE CIRCULATION PUMP

## SPEED-FLOW

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

**Suitable for a circuit of drinkers up to 125 m to and 125 m back with underground lines.** Beyond this distance, an extra A556 pump is recommended.

A visual and audible alarm can be added and the operation of the SPEED-FLOW can be made fully automatic (see 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  $2^{\circ}\text{C}$  (Auto-OFF at  $10^{\circ}\text{C}$ ).

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

**MANDATORY:**  
Filter 100 $\mu$



A446

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

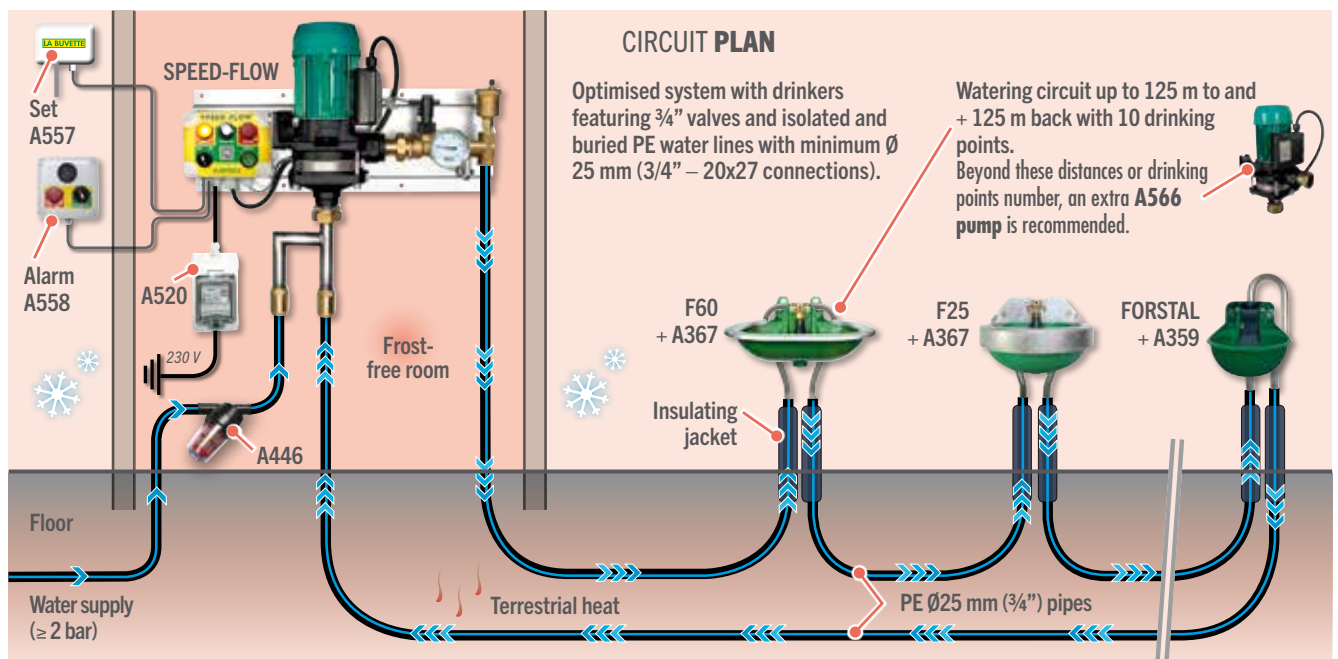


A520



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 - $6\text{m}^3/\text{h}$ - 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



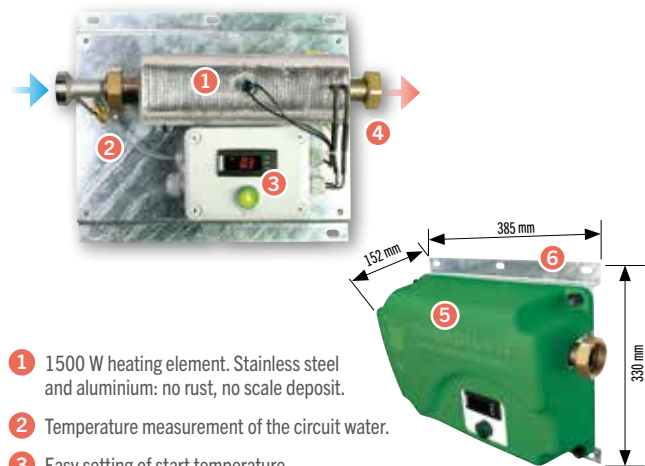
# AUTONOMOUS HEATER



## 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 1/2" 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 1/2" Mandatory 30 mA differential breaker, separately available (see below)	Carton apiece

## OUR ADVICE

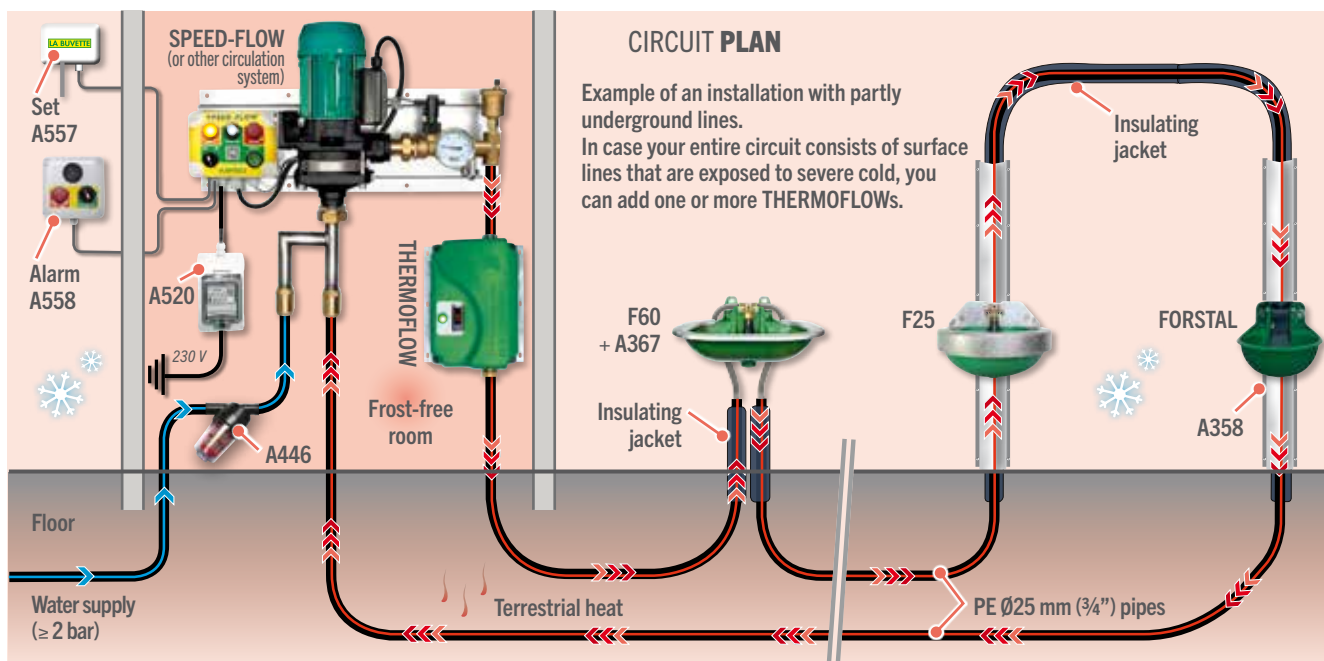
THERMOFLOW suits all drinking circuits equipped with a circulation pump. It improves the latter's anti-freeze performance only when it is required by the climatic conditions. THERMOFLOW is independent, it can be installed wherever you want.

**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.12): 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.42)
A373	Connection set for water circuit - for small spaces: 2 stainless steel tubes 3/4" 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.

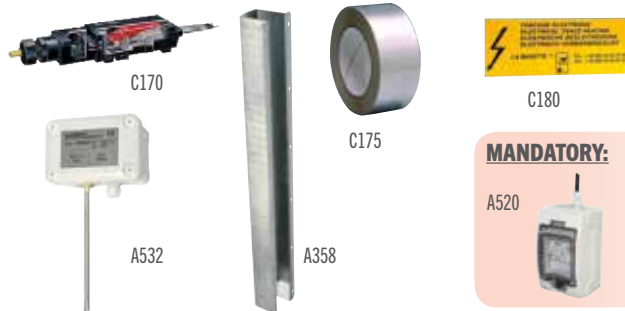
For all types of surface water lines in existing installations. Cut at the required length from 0 to 200 m.  
Frost-protection down to -35 °C.  
Differential circuit breaker 30 mA obligatory, delivered separately (A520).



REF. DESIGNATION

C151 Self-regulating heating wire 230 V (10 W/metre) per metre (39.4")

## + 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 drinkers: 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).

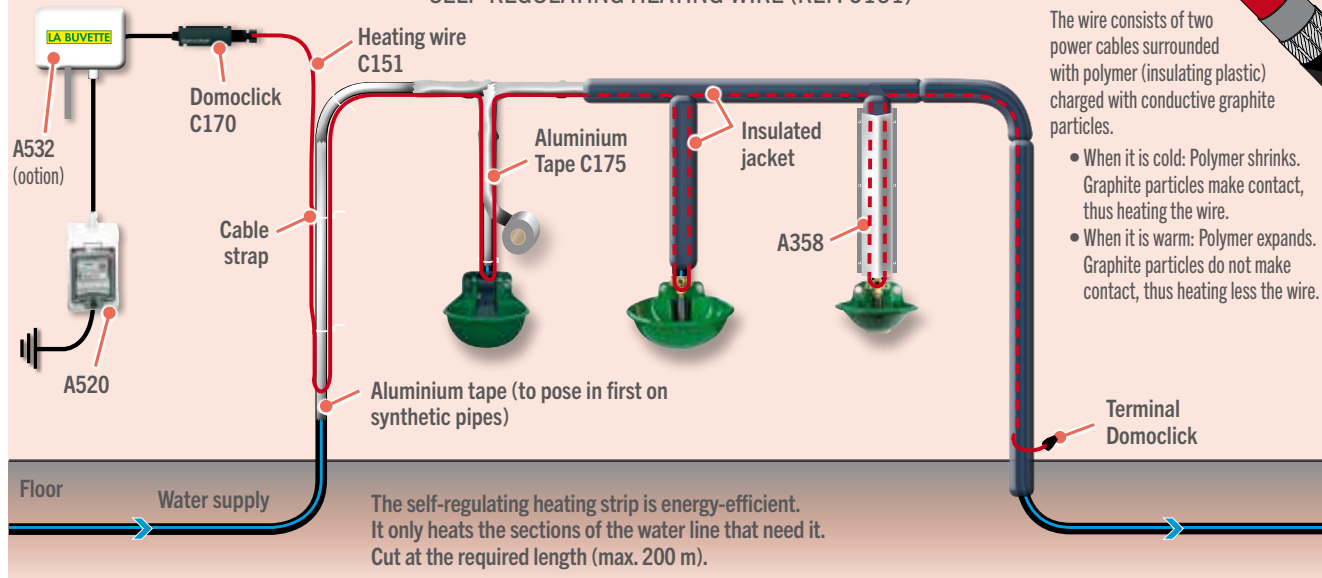


REF. DESIGNATION

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

### 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

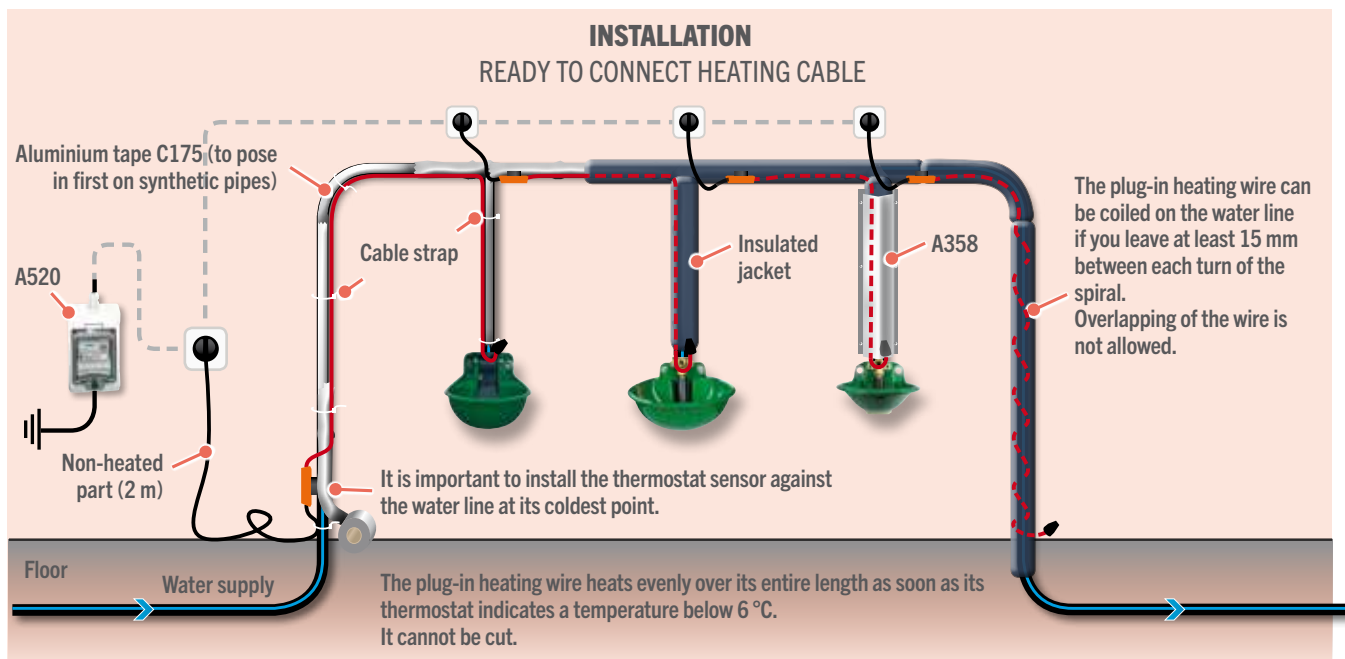
The LA BUVETTE anti-freeze heating wire must not be shortened or extended. The unused ends can be coiled on the water line (with a distance between the turns of the spiral of at least 15 mm).

**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)



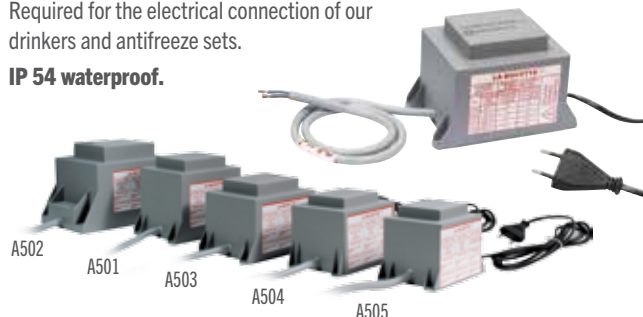
# ELECTRIC ACCESSORIES AND WALL-MOUNTED FROST-FREE DRINKER

## + TRANSFORMERS

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

Required for the electrical connection of our drinkers and antifreeze sets.

**IP 54 waterproof.**



**Maximum power of 50 to 400 W depending on the type.**

A transformer may be used with several drinkers.

Please mind the maximum power and cable diameters (see diagram).

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

## + REMOTE THERMOSTAT

**Remote thermostat to automatically turn on and off electrical antifreeze drinkers based on the air temperature.**

**Automatic activation at 2 °C and switch off by means of outdoor sensor.**

**Waterproof box** to be placed on a wall that is exposed to wind and cold.

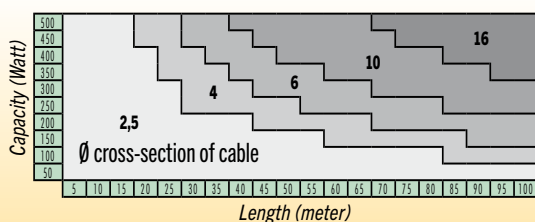
A thermostat can be sufficient for several drinkers:

**Maximum capacity 1200 W.**



REF.	DESIGNATION
A532	Remote thermostat for frost-free electric drinkers: Max capacity: 1200 W

## + 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.**

## 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



REF.	DESIGNATION
A532	Remote thermostat for frost-free electric drinkers: 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
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply



# WALL-MOUNTED DRINKER



## 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.



**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).



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

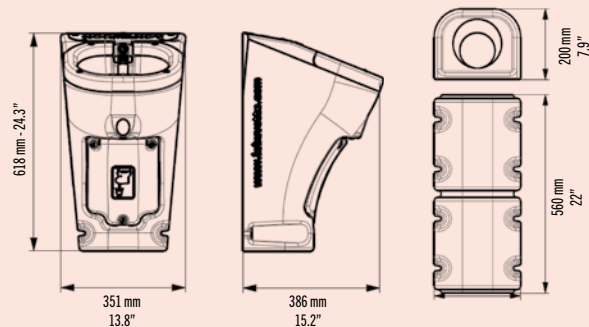
Anti-freeze power set 24V/80W to be installed under the bowl of a NORMANDY. Protects both the valve and the bowl from freezing down to -20°C (-4°F).



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



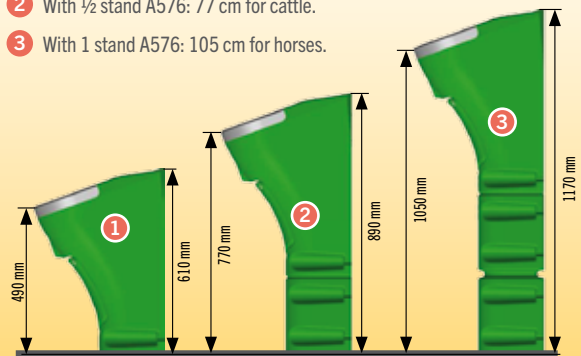
### DID YOU KNOW ?

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.



# ELECTRIC FROST-FREE DRINKERS ON STAND



VIDEO TUTORIAL  
on facebook  
/labuvette.bovin



## 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



**Electric frost protection system, (same as LAKCHO 2) efficient down to -20 °C (-4°F): Heating element 24 V/50 or 80 W.**  
Also available without frost protection.

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

## + ACCESSORIES



Transformers 230/24 V mandatory, see page 24.



A532

REF.	DESIGNATION
A532	Remote thermostat for frost-free electric drinkers: 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

## 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).**  
½" 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

## LAKCHO 2 24V/180W WARM WATER

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

Replaces CALDOLAC 5.

Ideal for 15 dairy ewes.

 10 l/mn at 3 bars



**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)

## 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.
- Polyethylene reduces the heat exchange with the external atmosphere and maintains the lukewarm temperature of the water longer than a metal trough.
- It is a good idea to distribute the lukewarm water of the milk pre-cooler to the big DAIRY-BAC 400 trough, see page 9.



# ELECTRIC FROST-FREE STAINLESS STEEL DRINKING BOWL ON STAND



## 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.

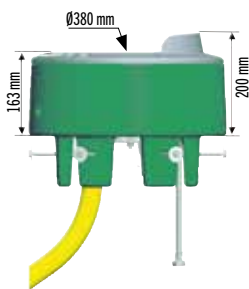
 8 l/mn at 3 bars

- 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  $-20^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$ ): 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- $\varnothing$  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.  $\frac{1}{2}$ " 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.

 12 l/mn at 3 bars

Stand sold separately. 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



## + 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.

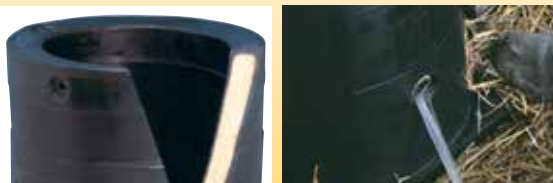
REF.	DESIGNATION
A574	Height 1000 mm to be embedded in 400 mm concrete
A573	Height 740 mm to be fixed to the floor ; Especially designed for horses.
A572	Height 600 mm to be fixed to the floor
A570	Height 400 mm to be fixed to the floor ; Especially designed for little animals: calves, sheeps, goats,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



### DID YOU KNOW ?

The LA BUVETTE® stands are sturdier and easier to install than concrete stands. The double-walled polyethylene is filled with insulating polyurethane foam to ensure perfect thermal insulation.

They are equipped with a drain hole for drinkers with a drain plug.

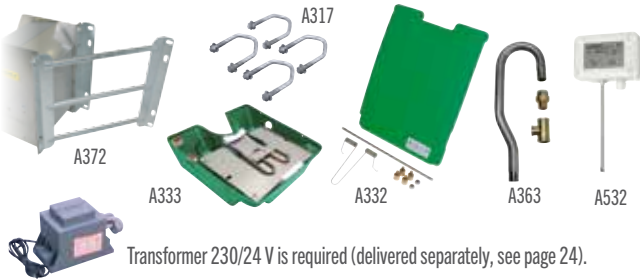


# SINGLE-ACCESS STAINLESS STEEL WATERER



## + ACCESSORIES

In cold climates, the POLYSTALL can be equipped with 1 to 2 anti-freeze elements A333, effective down to -20 °C.



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

REF.	DESIGNATION
A372	Side mounting support
A317	Mounting bracket for fence
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 drinkers: 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



## 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.



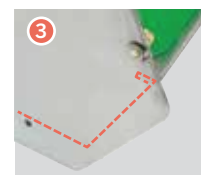
PATENTED

## 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).



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

- Protection from impurities (litter, birds, dung...)
- Insulating capacity to protect against the first cold.
- Easier cleaning and maintenance

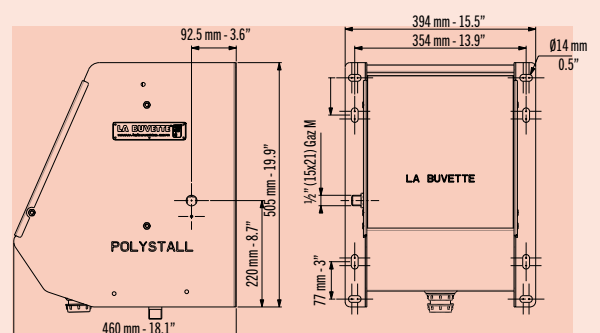
2 Valve 32 l./min. (flow rate measured at 3 bars) with shutoff pin. On single access drinkers the water supply can be connected from the left or the right.

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

## MOUNTING OF POLYSTALL



# DOUBLE-ACCESS STAINLESS STEEL WATERER

## 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



A333 power sets (options).

Accessories on page 28.



Standard version, without door.

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



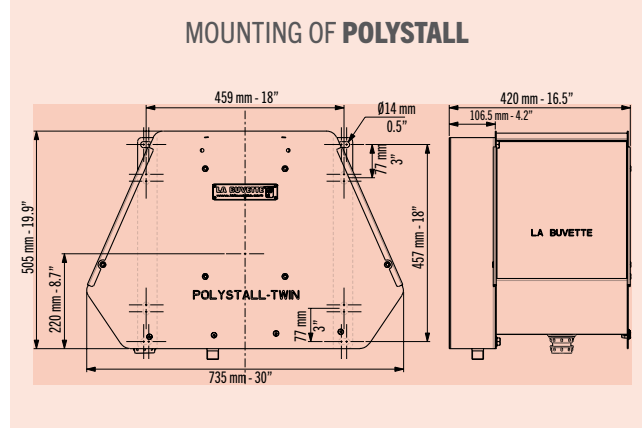
### “ USER’S OPINION

**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

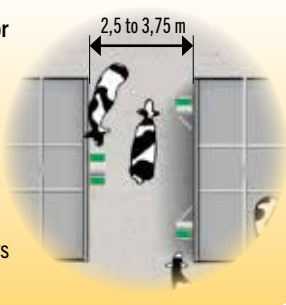
*I installed a POLYSTALL TWIN PREMIUM at the end of a passageway, between two cubicles. The cows got easily accustomed to drinking from either side of the barrier two at the same time. The polyethylene doors keep the water clean, the animals do not spill water and the floor underneath the drinker stays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



### OUR ADVICE

The POLYSTALLs are perfects for rather narrow passageways between cubicles.

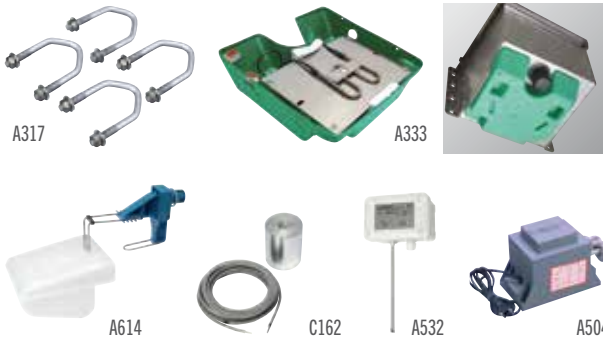
It allows cows to drink standing parallel to the wall without hindering the free movement of the other cows. Another advantage is that there will be less cow dung in the passageways between the cubicles.



# SINGLE-ACCESS STAINLESS STEEL WATERER



## + ACCESSORIES



Transformer 230/24 V is required delivered separately.

REF.	DESIGNATION
A317	Mounting bracket for fence
A333	24 V - 80 W frost protection set. Transformers sold separately
A614	Float valve for low pressure (blue color) (< 1 bar); 15 l/mn at 0,2 bar
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply
A532	Remote thermostat for frost-free electric drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
A504	Transformator 100 VA for 1 EASY-STALL with A333 and C162

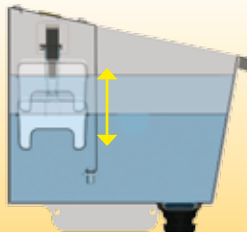
## OUR ADVICE

Change the water reserve by adapting the height of the float valve without tools.

Min. level: 9 litres

Max level: 27 litres

Recommended level: 23 litres (at 30 mm from the edge).



## EASY-STALL 45

Wall-mounted stainless steel drinking trough for all cattle. Forward-inclined trough with **large water access 35 x 22 cm** (13.8" x 8.7").

**Reserve of 25 litres (6.60 USG).**

**High flow valve.** Fitting 1/2" (15 x 21 mm) M.

Suitable for 10 dairy cows or 15 nursing cows.

**NEW**



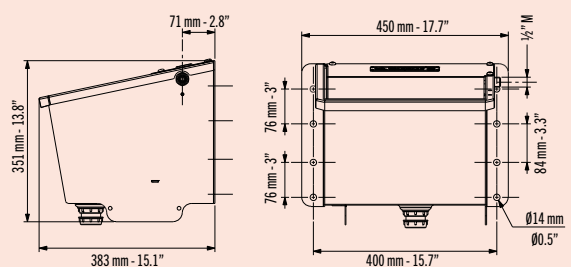
32 l/mn. at 3 bars  
A333 power set (option).



- 25 litre content with forward-inclined access for greater comfort.
- Sturdy design made of stainless steel with rounded edges for animal security.
- Float valve 32 l/min (at 3 bars) protected by stainless steel cover. Easily adjustable water level. Water inlet 1/2" (15x21 mm) male from the right.
- Drain without tools Ø1" 1/4 screw plug.
- Suitable for installation of electrical anti-freeze element 80W/24V ref. A333 effective down to -20 °C (see ACCESSORIES).
- Wall mounting 4 points. 8 anchorage points. Suitable for mounting on a fence (see ACCESSORIES).

REF.	DESIGNATION
2425	EASY-STALL 45 Stainless steel drinker with float valve

### DIMENSIONS OF EASY-STALL 45



Recommended height (drinking height): 70 to 90 cm (27.6" to 35.4")



# DOUBLE-ACCESS STAINLESS STEEL WATERER

## EASY-STALL 100

Wall-mounted stainless steel drinking trough for all cattle. Forward-inclined trough with **large water access 90 x 36 cm** (35.4" x 14.2")

**Reserve of 60 litres (15.85 USG).**

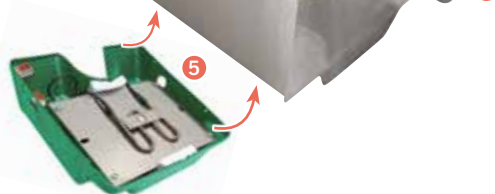
**High flow valve.** Fitting ½" (15 x 21 mm) M.

Suitable for 20 dairy cows or 30 nursing cows.



32 l/mn. at 3 bars

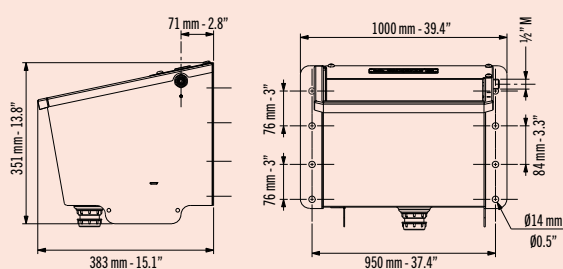
One A333 anti-freeze element is sufficient (optional).



- 1 60 litre content with forward-inclined access for greater comfort.
- 2 Sturdy design made of stainless steel with rounded edges for animal security.
- 3 Float valve 32 l/min (at 3 bars) protected by stainless steel cover. Easily adjustable water level. Water inlet ½" (15x21 mm) male from the right.
- 4 Drain without tools Ø1" ¼ screw plug.
- 5 Suitable for installation of electrical anti-freeze element 80W/24V ref. A333 effective down to -20 °C (see ACCESSORIES).
- 6 Wall mounting 4 points. 8 anchorage points. Suitable for mounting on a fence (see ACCESSORIES).

REF.	DESIGNATION
2426	EASY-STALL 100 Stainless steel drinker with float valve

### DIMENSIONS OF EASY-STALL 100



Recommended height (drinking height): 70 to 90 cm (27.6" to 35.4")



## + ACCESSORIES



Transformer 230/24 V is required delivered separately.

REF.	DESIGNATION
A317	Mounting bracket for fence
A333	24 V - 80 W frost protection set. Transformers sold separately
A614	Float valve for low pressure (blue color) (< 1 bar) ; 15 l/mn at 0,2 bar)
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply
A532	Remote thermostat for frost-free electric drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)
A504	Transformer 100 VA for 1 EASY-STALL with A333 and C162



### DID YOU KNOW ?

The forward-inclined trough of the EASY-STALL 100 allows two adult bovine animals to drink simultaneously with high drinking comfort.

Its high flow rate and water reserve of 60 litres are adapted to the needs of the highest-yielding animals.

We recommend to empty and brush the trough at least every week.



# 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).



C162

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.



A398

A338

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

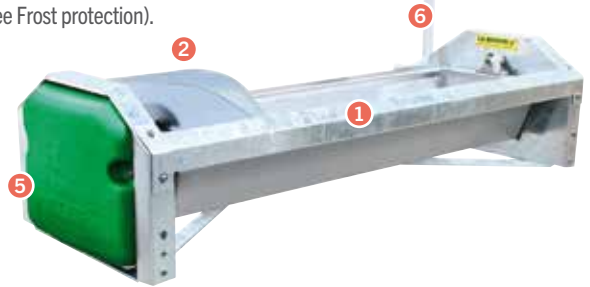
## LB150

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).

ESTABLISHED  
PERFORMANCE  
72  
L/min



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



D201

A502

A532

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 drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)

# STAINLESS STEEL TIPPING TROUGHS



## 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).

### 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
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.

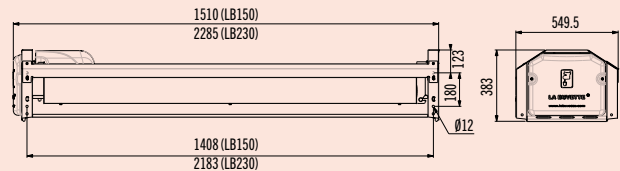


A399

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 drinkers: 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.

# INDOOR DRINKING SYSTEMS: “GV” LARGE DRAIN STAINLESS STEEL TROUGHS

Stainless steel is often chosen for its sturdiness and hygienic qualities. However, the troughs still have to be cleaned regularly.

To make this job easier and to be able to always supply clean water to the herd, the GV drinkers have an inclined tub in one piece and an exclusive large drain that keeps your hands dry.



## SATISFYING THE IMPORTANT WATER NEEDS OF DAIRY COWS

Your cows must have the best possible access to water. The large GV drinkers made of stainless steel and their valves with high flow rate offer a natural way of drinking that is much appreciated by your cattle.

- For these large troughs you have to provide 60 linear cm per water point.
- A cow kept inside should never have to walk more than 20 m to find a water point.



The GV 150, 230, 300 and 460 have a valve with a flow rate of 72 l/min (at 3 bars). This output matches the needs of cows leaving the milking parlour or after being fed.

This valve can be connected to a circulation system with extra accessories.



The seamless GV drinkers can be mounted on the wall or on feet.

There are several possibilities to protect the valve from frost (see following pages).

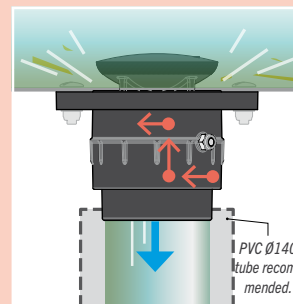
## PERIODIC EMPTYING TO ALWAYS SUPPLY CLEAN WATER

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. Therefore, it is recommended to drain and clean the drinking troughs at least once a week. The GV drinking troughs make this job easier.

## EASY AND EFFICIENT Ø100 MM “DRY-HANDS” DRAIN

The drain plug of the GV trough is operated from below the trough in 3 movements:

- 1: Turn the ring to unlock,
- 2: Lift the ring,
- 3: Turn to lock it in top position.



Watch footage of the installation tutorial on [facebook/labuvette.bovin](https://www.facebook.com/labuvette.bovin)

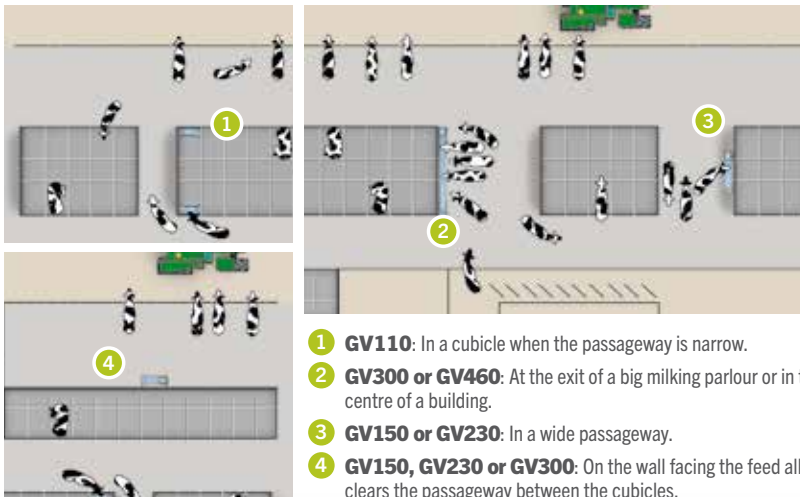
## 5 LARGE STAINLESS-STEEL DRINKING TROUGHS WITH LARGE DRAIN AND A LENGTH OF 1.10 TO 4.60 M



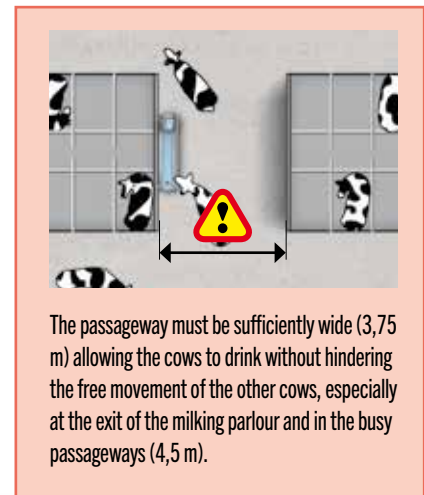
2413 - GV460  
2411 - GV300  
2410 - GV230  
2409 - GV150  
2412 - GV110

From the smallest GV100, which is ideal in the holding area of buildings with a milking robot and when it is necessary to give up a cubicle for the installation of a drinker to the longer GV300 and GV460 troughs that are perfect at the exit of the milking parlour, all GV drinking troughs can be mounted on the wall or on optional feet.

### EXAMPLES OF ARRANGEMENT



- 1 **GV110**: In a cubicle when the passageway is narrow.
- 2 **GV300 or GV460**: At the exit of a big milking parlour or in the centre of a building.
- 3 **GV150 or GV230**: In a wide passageway.
- 4 **GV150, GV230 or GV300**: On the wall facing the feed alley: clears the passageway between the cubicles.



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 and in the busy passageways (4,5 m).



# STAINLESS STEEL RAPID-DRAIN TROUGHS

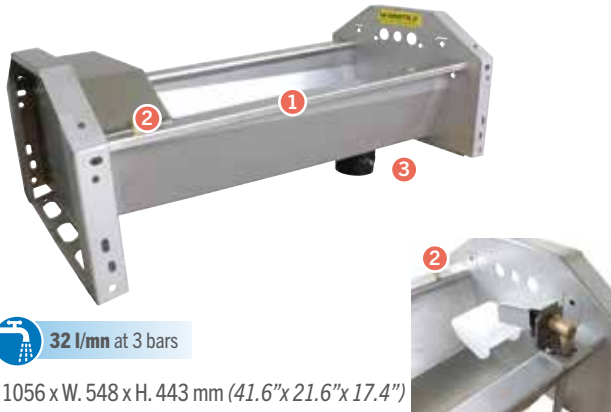
VIDEO TUTORIAL  
on facebook  
/labuvette.bovin

## 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

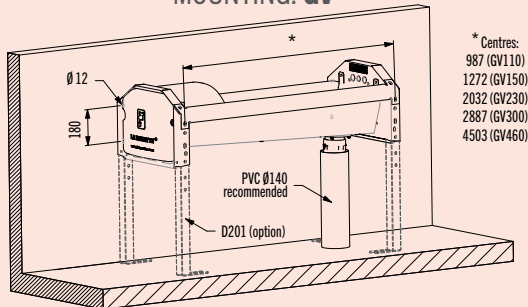
L. 1056 x W. 548 x H. 443 mm (41.6" x 21.6" x 17.4")

- 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)

### MOUNTING: GV



### 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 37).

ESTABLISHED  
72  
L/min  
PERFORMANCE



72 l/mn at 3 bars

L. 1385 x W. 548 x H. 443 mm (54.5" x 21.6" x 17.4")



- 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. It also houses the electrical connection of the antifreeze sets.
- 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)

## GV230

**Stainless steel trough with large draining.**

Suitable for up to 4 cows drinking at the same time.

Same specifications as GV150. Capacity 112 litres.

ESTABLISHED  
72  
L/min  
PERFORMANCE

72 l/mn at 3 bars



L. 2145 x W. 548 x H. 443 mm  
(84.4" x 21.6" x 17.4")

REF. DESIGNATION

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



# STAINLESS STEEL RAPID-DRAIN TROUGHS



VIDEO TUTORIAL  
on facebook  
/labuvette.bovin



## GV300

Stainless steel trough with large draining.  
Suitable for up to 5 cows drinking at the same time.  
Same specifications as GV150. Capacity 144 litres.



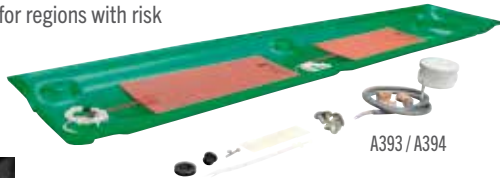
72 l/mn at 3 bars

L. 3000 x W. 548 x H. 443 mm  
(84.4" x 21.6" x 17.4")

REF.	DESIGNATION
2411	Rapid-drain trough GV300 - 144 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).

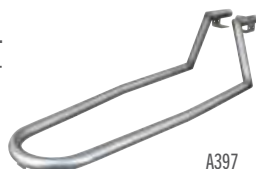


C162

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, GV300 and GV460: 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

## GV460

Stainless steel trough with large draining.  
Suitable for up to 8 cows drinking at the same time.  
Same specifications as GV150. Capacity 200 litres.



Ideal in the passageways between the cubicles and at the exit of big milking parlours.



72 l/mn at 3 bars

L. 4615 x W. 548 x H. 443 mm  
(181.7" x 21.6" x 17.4")



- 1 Obligatory central reinforcement (supplied).
- 2 The GV460 can be connected to the lukewarm water of the milk pre-cooler by means of a supplementary A615 (see "DID YOU KNOW").

REF.	DESIGNATION
2413	Rapid-drain trough GV460 - 200 L - 72 l/min (3 bars)

## + ACCESSORIES



D201

A615

A502

A532

REF.	DESIGNATION
D201	Set of galvanised feet
A615	Extra low pressure float valve for drinker GV150/230/300/460
A502	Transformer 230/24 V - 400 VA for GV with power set
A532	Remote thermostat for frost-free electric drinkers: 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, GV300 and GV460 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

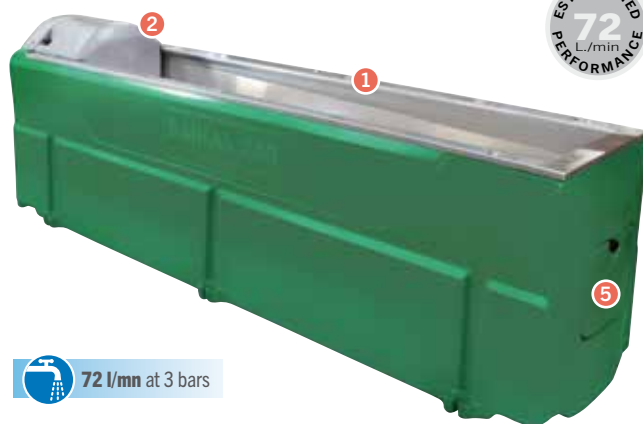


REF.	DESIGNATION
A502	Transformer 230/24 V - 400 VA for BAÏKAL230 with power set
A532	Remote thermostat for frost-free electric drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)

## 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).

ESTABLISHED  
72  
L/min  
PERFORMANCE



72 l/mn at 3 bars

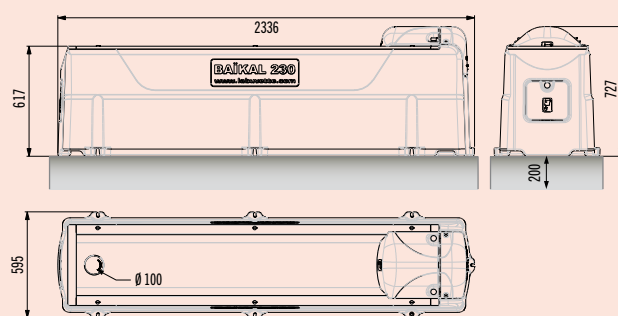


- 1 Stainless steel trough of 112 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also 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)



ESTABLISHED  
72  
L./min  
PERFORMANCE

72 l/mn at 3 bars

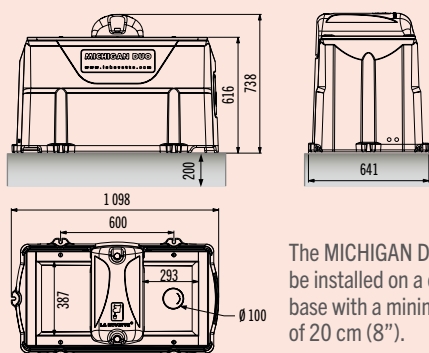


- 1 Stainless steel trough of 52 litres linking sturdiness and food safety. With slanted bottom for easier cleaning and specially folded non-spill edge to minimize water loss and avoid splashing.
- 2 The valve is protected against the animals by an insulating double-walled HD-Polyethylen cover also serving 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  $\varnothing$  100 mm plug is not affected by frost.

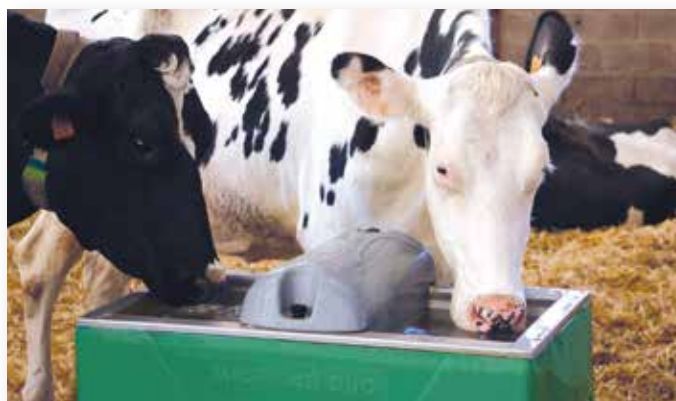
5 fixing points on concrete base with a minimum height of 20 cm.

REF.	DESIGNATION
2430	Drinking trough MICHIGAN DUO - 52 L - 72 l/min (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



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).

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 drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)

# LARGE MODULAR DRINKING TROUGHS

PATENTED

## 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 41)



### 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

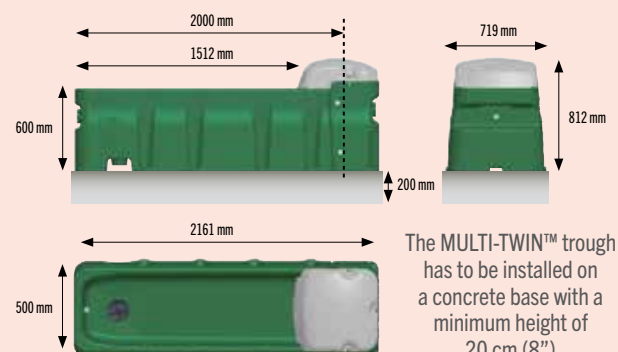


- 1 2 troughs in double-walled HDPE. Length 4,00 m ; Capacity: 400 litres.
- 2 Double valve preinstalled: 64 l/mn at 3 bars (¾" connection).
- 3 Troughs connection system Bellow joint: hermetically sealed, flexible, easily installed (ring clamps included). A third trough can be added.
- 4 Available with 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

PATENTED

## 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

Water tanks, see page 53.



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 ?

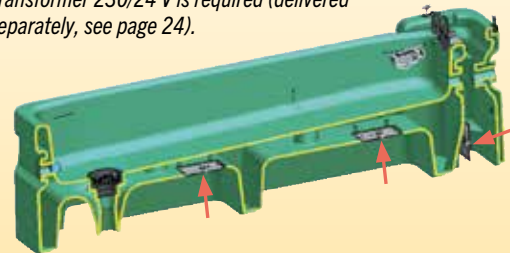
#### FROST PROTECTION WITH ELECTRIC HEATING ELEMENTS

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

In large animal farms, the MULTI-TWIN can be connected to as many troughs as you wish to increase the access length.

# LARGE INDOOR DRINKING TROUGH IN POLYETHYLENE

PATENTED



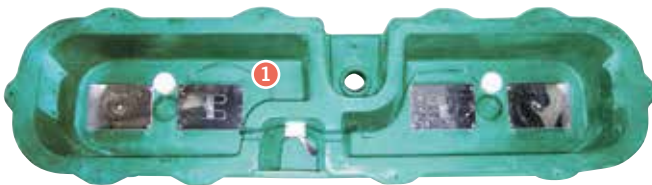
## MULTI 220 EL 24V/342W

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).



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

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

## + ACCESSORIES



A502



A532

REF.	DESIGNATION
A502	Transformer 230V/24V, European norm - 400 VA (for MULTI 220EL)
A532	Remote thermostat for frost-free electric drinkers: for automatic on/off switching with outside sensor - in watertight cabinet (Max. capacity supported 1200 W)

## 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)



## 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.



# 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.

Can be transformed into ISOBAC (heated), see Spare Parts Catalogue.



REF.	DESIGNATION
1690	Double drinking trough without heating element

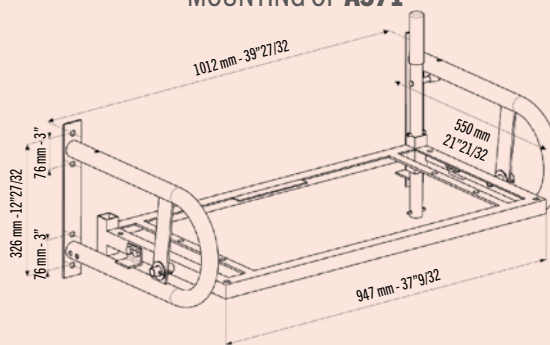


## + ACCESSORIES



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 drinkers: 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:

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



# FROST-FREE WATERERS WITHOUT ELECTRICITY

PATENTED



## Why choose THERMOLAC™?

LA BUVETTE's best seller has 4 major advantages:



French quality product



Patented innovation

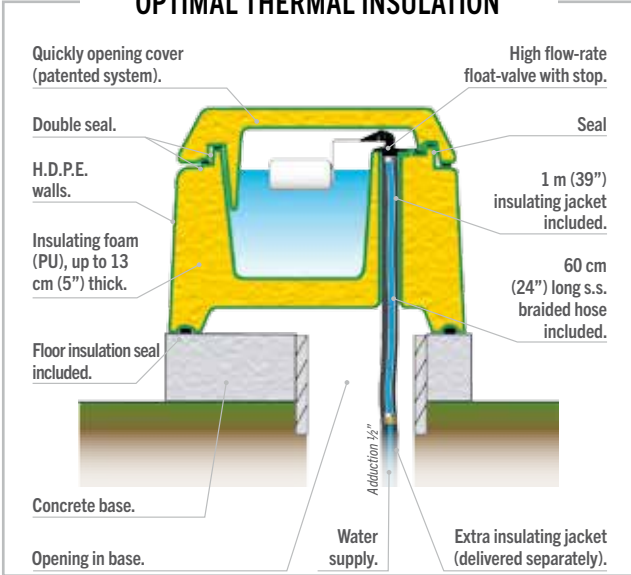


5 years guarantee against all manufacturing defects



LA BUVETTE advice and service

## OPTIMAL THERMAL INSULATION



### DID YOU KNOW ?

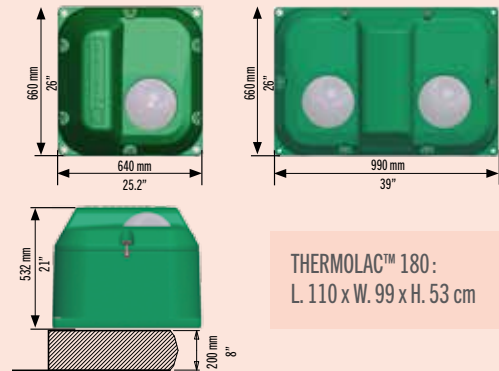
The large drain hole Ø 100 mm (4") with insulated screwed plug have a cleaning effect:

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

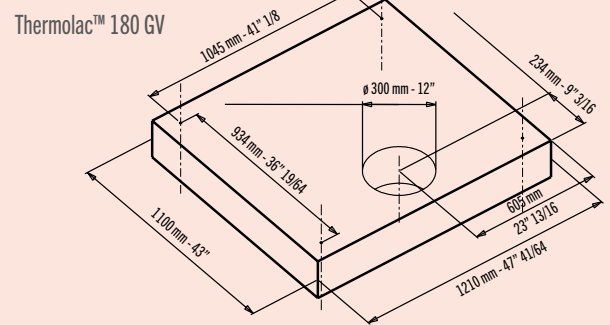
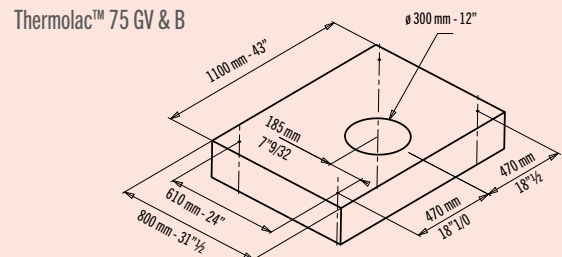
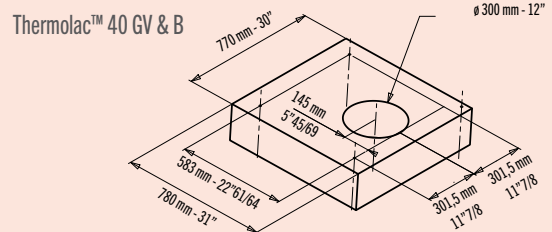
Providing cool water when it's hot reduces heat stress and increases milk production and growth rate. (Sources: Wilks, 1990 and Lofgreen, 1975).

More than 25 years of success: already more than 2.3 million animals drink from a THERMOLAC™.

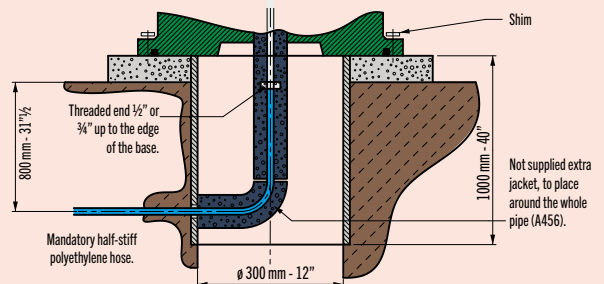
## INSTALLATION: THERMOLAC™



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.



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



# FROST-FREE WATERERS WITHOUT ELECTRICITY

PATENTED

## 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. Adjustable water level without tool.
- 4 Pre-installed ½" 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

## 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

ESTABLISHED PERFORMANCE  
**72 L./min**

**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).

## + 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").



# 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.

FOR PASTURE





## OPTIMISING AND SECURING THE DRINKING SYSTEMS ON PASTURE

A guaranteed supply of high-quality water in sufficient quantities during the entire grazing season is vitally important for the well-being and productivity of farm animals.

Although the consumption of grass that is rich in water content partly satisfies their water needs, an animal might still need very high quantities of water especially during intense heat.

A lack of water directly affects their growth performance or milk production. When the water intake decreases, the consumption of food does so too. The animals also start behaving aggressively as soon as the available amount of water covers less than 90% of their needs.

Moreover, direct access of the herd to natural pools and watercourses is a source of sanitary and environmental problems. Transporting water in tanks the whole season long also becomes more and more expensive.

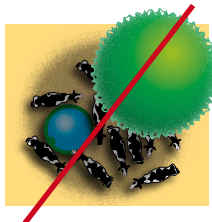
As a specialist in watering solutions, LA BUVETTE® offers you numerous solutions based on more than 75 years of research and practical experience in the field of watering systems, troughs, pasture pumps, off-grid solar-powered pumping solutions... You will find a brief overview of these solutions on the next page.

## DRINKING HABITS OF FARM ANIMALS

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.

When it is hot (more than 28 °C), the animals move around less. They prefer to stay in the shade and will not go drinking if the watering point is not close to the shaded area.

However, placing the water points directly in the shade and especially when there is not much of it, is to the disadvantage of the herd. These areas will quickly be taken up by animals lying in the way, which causes pushing, trampling and dominant behaviour.



## 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.)

## 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.



## 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

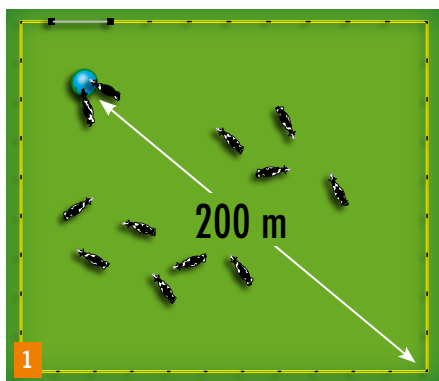
You can find more tips in our Pasture Watering Guide Book available on demand.

# PLACE AND SIZE OF WATER TROUGHS ON PASTURE

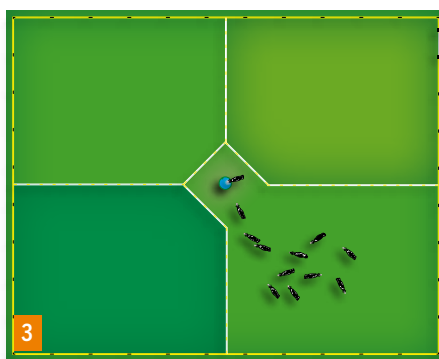
The location of the water points makes sure the pasture is grazed evenly. Therefore, you have to take into account the surface to be grazed and the behaviour of the animals on pasture.

## THE 200-METRE RULE FOR SMALL AND MEDIUM-SIZED PARCELS

Ideally, the maximum distance between the watering place and the farthest end of the pasture should not exceed 200 m. When the distance is exceeded, the farthest corners of the pasture are less frequently visited as the animals prefer to stay close to the drinker.



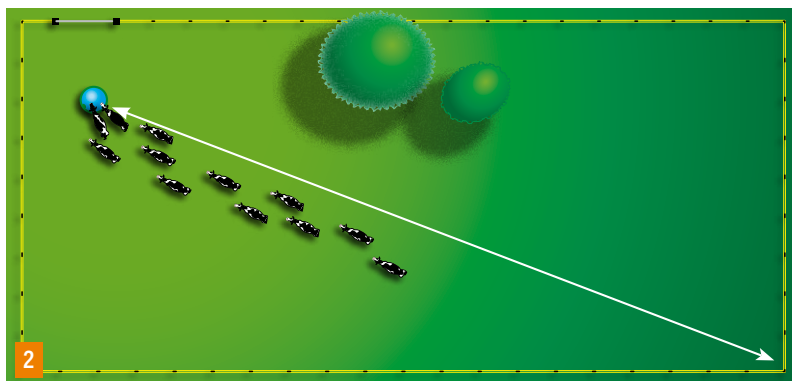
When the drinker is located at less than 200 m from the farthest end of the parcel, the animals regularly go drinking alone or in small groups of two or three. A high water volume/flow is thus no longer essential (figure 1).



## CONSIDERING HERD INSTINCT ON LARGE PARCELS

However, when the distance is considerable (> 200 m), the animals tend to go to drink less frequently and in large groups. Therefore, it is recommended to install a watering system that is sufficiently dimensioned allowing a large number of animals to drink quickly and simultaneously.

In this case, it might be worthwhile to install more drinkers rather than to increase the volume of only one and to place them some 10 metres apart from each other to avoid pushing.



When the distance is longer, the animals prefer to go drinking in a herd (figure 2). So, the size of the watering systems will differ substantially.

## 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. 48) 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**: (figure 3)  
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.









### SIZING OF THE WATERING SYSTEM: 10-MINUTE RULE

- **For water points situated at less than 200 m from the farthest end of the parcel:**  
The watering system must be able to supply a quarter of the daily water consumption of the herd in 10 minutes.
- **When the water point is installed at more than 200 m from the end of the pasture:**  
The watering system must be able to supply half of the daily water consumption of the herd in 10 minutes.

The feasibility of this requirement depends on the **water volume immediately available** when the animals arrive (**trough volume**) and on the ability of the system to replenish the trough (**FLOW**).






**In general, the flow is the limiting factor. It is possible to compensate for this by increasing the available water volume.**

## DRINKERS CONNECTED TO THE WATER MAINS, FILLED BY A TANK OR BY HAND





	PRINCIPLE	LIVESTOCK	ANIMALS PER TROUGH	FILLING	VOLUME	ASSET(S)
50	 <b>PREBAC</b> Trough made of pure, high-density, food-safe, UV-resistant and recyclable POLYCHOC™ polyethylene. Non-deforming, sturdy and light. 15 types: Oval, round or rectangular; with (optional) float valve. Quick drain.	All. Certain low models are suitable for small animals.	400 l. trough = 5 places* 600 l. trough = 6 places* 800 l. trough = 7 places* 1000 l. trough = 8 places* 1200 l. trough = 9 places* 1500 l. trough = 10 places*	Water bowser or water mains. Standard valve or low pressure valve included or optional.	Oval: from 400 to 950 l Round: from 400 to 1500 l Rectangular: from 70 to 400 l	10-year guarantee against all manufacturing defects.
53	 <b>INTERBAC</b> Trough made of pure, high-density, food-safe, UV-resistant and recyclable polyethylene. 5 types: Oval or round. Optional float valve.	Cattle and horses	400 l. trough = 6 places* 1000 l. trough = 8 places* 1500 l. trough = 10 places*	Water bowser or water mains. Standard pressure valve optional	Oval: 600 and 900 l. Round: 600, 1000, 1500 l.	3-year guarantee against all manufacturing defects.
54	 <b>Galvanised troughs</b> Troughs made of steel hot-dip galvanised after manufacture. 8 types: Round or rectangular. Optional float valve.	Cattle and horses	400 l. trough = 5 places* 600 l. trough = 6 places* 1000 l. trough = 7 places* 1250 l. trough = 8 places*	Water bowser or water mains. Adjustable valve optional	Round: from 400 to 1250 l. Rectangular: from 1350 to 4050 l	Steel with a thickness of 1,5, 2 and 2,5 mm
56	 <b>BIGLAC 55T &amp; GALVALAC 65T</b> Troughs with constant water level for direct installation on a water bowser. Troughs made of high-density polyethylene or galvanised steel.	All	20 cows / horses or 40 sheep / goats	Water bowser (gravity)	55 and 65 l.	Mobile
44	 <b>THERMOLAC</b> Isothermal drinkers with constant level: double-walled trough insulated by high-density polyurethane foam. The water does not freeze in winter and stays cool in summer.	All (depending on type)	15 cows / horses or 25 sheep / goats per water access point	Standard or low (gravity) pressure	40, 75 or 180 L	Frost free down to -30°C without electricity
97	 <b>ISOBAR 250</b> Isothermal trough with floating cover. Double-walled trough insulated by high-density polyurethane foam. The water does not freeze in winter and stays cool in summer.	Horses	1 to 3 horses	Manual	180 litres	Frost free down to -15°C without electricity

\* For troughs accessible from all sides.

## OFF-GRID PUMPING SYSTEM IN WELLS, PONDS AND WATER COURSES

	PRINCIPLE	LIVESTOCK	ANIMALS PER TROUGH	PERFORMANCE OF THE PUMP	ASSET(S)
58	 <b>AQUAMAT II</b> While pushing, the animal activates a diaphragm drawing the water through the tube into the small bowl under the lever. The residual water in the back of the trough stimulates the animal to push the very smooth mechanism.	Cattle and horses	10	0.5 l/push. 7 m (23 ft.) in depth or 70 m (76 yds) in length	Cost efficient. Easy installation.
62	 <b>SOLAR-BASIC</b> Solar-powered pumping station with battery. The submersible pump is powered by a battery which is charged by a solar panel. A water level sensor activates the pump.	All	10 adult cows	Up to 1200 l/day. Vertical pushing: 10 m.	Economic, reliable and easy to move.
63	 <b>SOLAR-FLOW "SOLAR POWERED"</b> Solar-powered pumping station without batteries. The immersion pump is activated as soon as there is enough light.	All	30 adult cows	Up to 3500 l/day. Vertical pushing: 50 m.	Performances. Reliability.
64	 <b>SOLAR-FLOW "STORAGE"</b> Off-grid solar-powered pumping stations with batteries. The immersion pump is powered by the batteries, which are recharged by the solar panels. Level sensors activate the pump to fill a tank or several troughs (separately available).	All	12V Model: 15 adults cows 24V Model: 30 adults cows	12 V: up to 2200 l/day. Vertical pushing: 20 m. 24 V: up to 3500 l/day. Vertical pushing: 50 m.	To supply several parcels. Performances. Reliability. Autonomy without sun
65	 <b>SOLAR-FLOW "ALL-IN-1"</b> Off-grid solar-powered drinkers with batteries. The immersion pump is powered by the batteries, which are recharged by the solar panels. Level sensors activate the pump to fill the HDPE troughs	Cattle and horses	12V Model: 15 adults 24V Model: 30 adults	12 V: up to 2200 l/day. Vertical pushing: 20 m. 24 V: up to 3500 l/day. Vertical pushing: 50 m.	Complete sets. Performances. Reliability. Autonomy without sun.

## PERIPHERAL EQUIPMENT

	PRINCIPLE	CAPACITY	ASSET(S)
55	 <b>LACABAC</b> Float valve protected by a stainless-steel cover. Keeps a constant level in all types of bowls. Operates with standard pressure or low pressure (gravity) depending on the type.	LACABAC 72: 72 l / min at 3 bars LACABAC: 26 l / min at 3 bars LACABAC BP: 15 l/min at 0,2 bar	Adjustable float valves for all types of troughs. High flow rates. Do not rust.
56	 <b>TANKS</b> Food-safe, UV-resistant, pure polyethylene seamless tanks. To be installed on a concrete support or trailer. Anti-sway shape. Supplied with a PVC quarter-turn drain valve.	140 l - 270 l - 450 l - 650 l 1200 l - 1800 l - 2900 l - 4000 l 5600 l (reinforced)	Float valve can be mounted (except on 450 l model).
57	 <b>BLUE LEVEL</b> A small sensor installed on your tank indicates its level and warns you by text message or e-mail as soon as it drops under a certain threshold.	All tank sizes and models. Several measurements per day.	Calculates the remaining days of water autonomy.
59	 <b>STABILISATION GRIDS</b> Polypropylene tiles that stabilise and reinforce the natural quality of the soil. Each tile allows deep rooting of the vegetation and distributes the weight of the animals.	4 tiles for 1 m <sup>2</sup>	Withstands the weight of a tractor.

# 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.



- 1 These sturdy troughs keep their shape when filled.
- 2 Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
- 3 Easily loaded and transported on board of a vehicle.
- 4 Large rectangular quick discharge "VIDE-VITE". Quick and easy to clean.
- 5 Ground anchoring possible (with set B121, sold separately).
- 6 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

## 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).

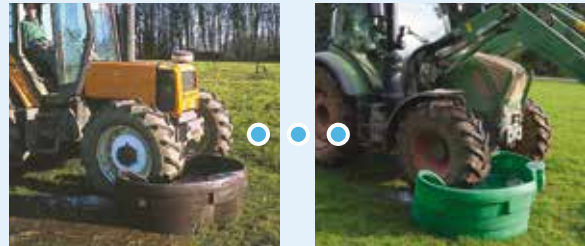


- 1 Very sturdy inside edge.
- 2 Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
- 3 Large rectangular quick discharge "VIDE-VITE". Quick and easy to clean.
- 4 Ground anchoring possible (with set B121, sold separately).



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")

## 2000 - 2020 The Colour Has Changed, the Quality Hasn't!



Tests performed with new PREBAC troughs. Footage on labuvette.com

## + 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



## 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. ½" 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

## DID YOU KNOW ?

	PREBAC	INTERBAC
Pure HDPE (food safe)	yes	yes
Anti-UV treated	yes	yes
Guarantee	10 years	3 years
Inward folded edge	yes	no
Draining	VIDE-VITE®	Ø50 mm
Optional valve protected by a cover	32 l/mn (3 bars) or low pressure.	26 l/min (3 bars)
Optional anchoring set	yes	no
Packaging	Per unit	Per 5

## 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.

NEW: Inward-folded edge.



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

# CYLINDRICAL TROUGHS MADE OF GALVANISED STEEL

PATENTED



## DID YOU KNOW ?

- The galvanized LA BUVETTE troughs are entirely manufactured in France by our partner SATENE, a manufacturer of livestock-breeding equipment based in the Indre (36) department.
- They come in piles of 10 units that can be mixed.



## CONICAL TROUGHS

Z

Conical troughs in galvanized steel to supply water for herds on pasture. (Not suitable for indoor use).

Sold in a pile of 10.



- 1 Strong and secure edge made of welded tube.
- 2 Three lifting eyes per trough.
- 3 Brass bulkhead drain with larger flange for increased tightness.

New models with a capacity of 380 l for sheep and 1350 l for cattle:



REF.	DESIGNATION	PACKAGING
G101	380 L Galvanized Trough - Ø 113 x H. 39 cm (44.5" x 15.4")	Pile of 10
G103	600 L Galvanized Trough - Ø 138 x H. 53 cm (54" x 21")	Pile of 10
G105	1000 L Galvanized Trough - Ø 162 x H. 62 cm (64" x 24")	Pile of 10
G106	1350 L Galvanized Trough - Ø 174 x H. 64 cm (68.5" x 25.2")	Pile of 10



## OUR ADVICE

Use an adjustable LACABAC float valve to maintain a constant water level.

If you want to connect your troughs to a higher-placed water reserve or water tank, opt for a low-pressure LACABAC.

See right page.





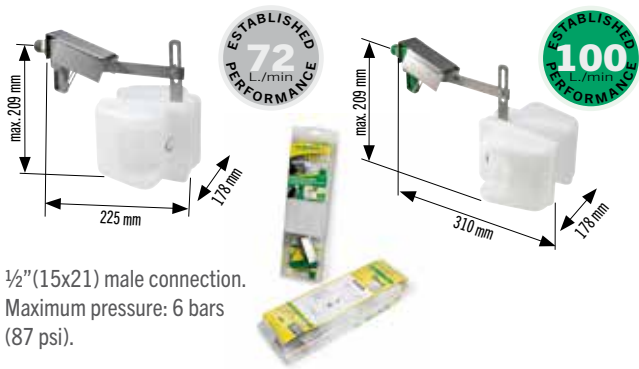
# FLOAT VALVES

## HIGH FLOW RATE VALVES

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

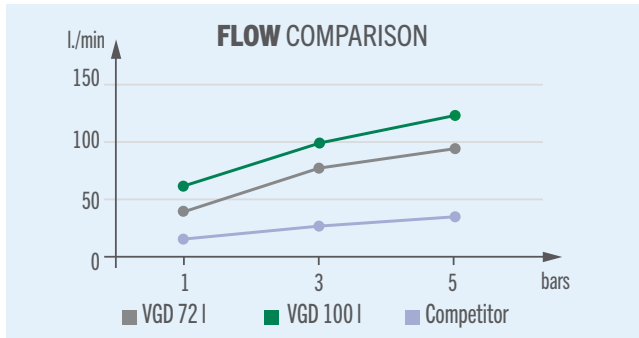
Measured flows: 72 and 100 litres/minute from 3 bars.  
(19 and 26.4 USG/mn from 43.5 psi)

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.44), CLEANOBAC and ISOBAC (p.43)
A614	Same as A613 for BIGLAC 25, BIGLAC 55 M, BIGLAC 90 (p. 10)
A615	Extra float valve to connect GV150, GV230, GV300 and GV460 drinkers (p.36) and milkcooler in low pressure.
A384	Extra float valve for MULTI-TWIN (p.40)



## 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.



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
A610	Identical to A601 with stainless-steel braided hose 1/2", 60 cm	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.

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.  
Spare plug: Ref. 1190417.

REF.	DESIGNATION
G100	Double GALVALAC 65T drinker for water bowser



### OUR ADVICE

Installation:

- On a concrete floor or vehicle platform fit for any kind of supporting surface.
- Our tanks are not suitable to be buried.

## 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
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



## BLUE LEVEL

**Connected level gauge for tank on pasture sending alarms by e-mail and text message.** Easy-to-install ultrasonic sensor for all types of cylindrical, rectangular or cubic, metal or polyethylene tanks on wheels or stationary tanks.



- 1 IP67 waterproof ultrasonic sensor. Communicates its measurements several times a day through a low-power network (see "OUR ADVICE").
- 2 Easily installed at the top of the tank, in a vent or specially drilled hole.
- 3 thread sizes: Ø2" - Ø1"½ - Ø1"¼.
- 3 2 pre-installed and easily replaceable LR03 batteries (3 to 5 years' service life).

Installation and implementation in only a few minutes.  
Accurately measures the water volume as well as the ambient temperature.  
Entirely designed and manufactured in France.



- 4 Compatible with all computers, smartphones and tablets.
- 5 At a glance: Current water level, remaining days before filling, average consumption, follow-up of the consumptions...
- 6 Alarms by text message / e-mail triggered according to your instructions (5 texted alarms per month are included, unlimited number of warnings by e-mail).

**For more certainty and peace of mind**, you can monitor the water consumption by means of curves and graphs allowing you to **plan ahead when to refill your tank**.

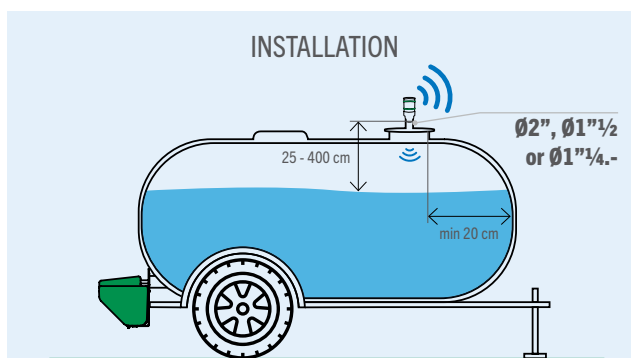
REF.	DESIGNATION
AE30	Connected level gauge with 1 year of communication LORA®
AE31	Connected level gauge with 1 year of communication SIGFOX®

### OUR ADVICE

#### Choosing the communication system LoRa® / Sigfox®

Depending on the geographic location(s) of your gauge, choose the network with the best coverage:

- Check out the LoRa coverage <https://couverture-mobile.orange.fr/mapV3/lora/>
- Check out the Sigfox coverage: <https://www.sigfox.com/en/coverage>



Self-regulation of verticality and distance.  
Easy and quick configuration of your tank (shape and size) with your BLUE LEVEL dashboard.



### DID YOU KNOW ?

It is possible to manage several Blue Level gauges with only one dashboard.  
Each tank is shown on a map.

The BLUE LEVEL gauge works with water, but also with other liquids such as fuel, lubricant, Adblue, additives...





VIDEO TUTORIAL  
on facebook  
/labuvette.bovin



## AQUAMAT™ II NC

Identical to the AQUAMAT™ II with integrated bowl for baby snouts, specially designed for cows 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



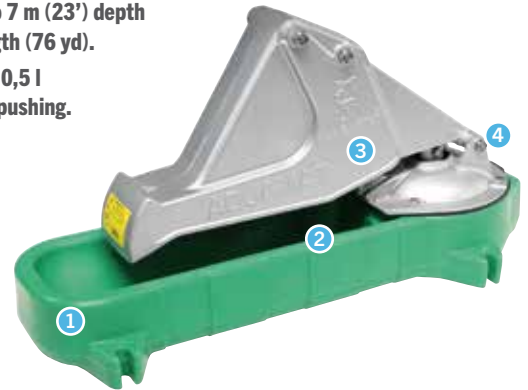
REF.	DESIGNATION
B105	Brass and stainless steel strainer with non return valve
B106	Threaded fitting M26x34 (1") for flexible hose (with inner Ø of 32 mm (1.25"))
B107	Threaded fitting MM 26X34 (1")
B110	Suction set, complete (7 m (23') hose + strainer + fittings)

## 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).

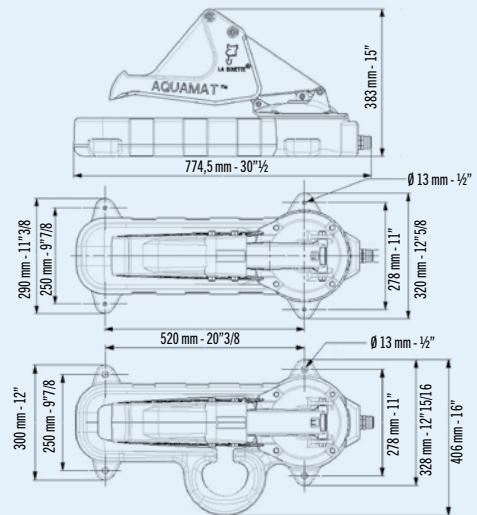
Flow rate of 0,5 l  
(0,13 USG)/pushing.



- 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") axe.

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

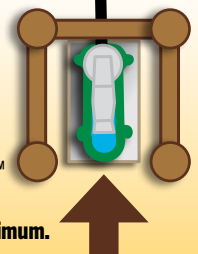


### OUR ADVICE

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 maximum.





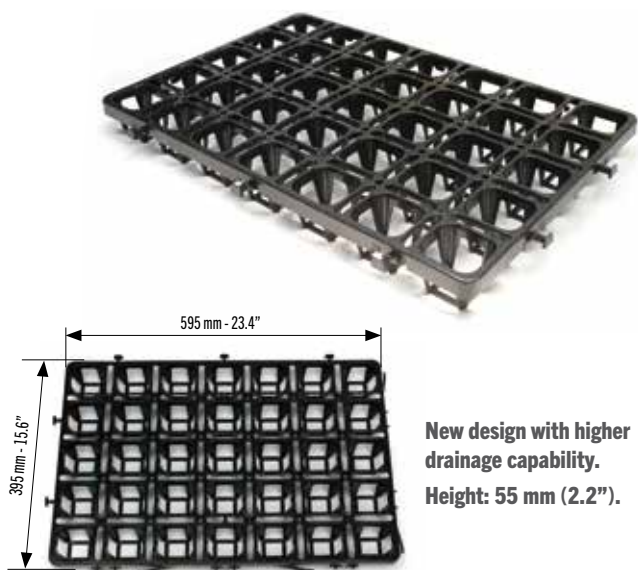
## STABILISATION GRIDS

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.

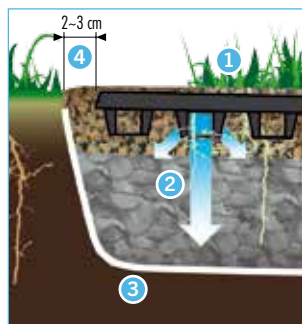
The tiles are easily clipped together.



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.



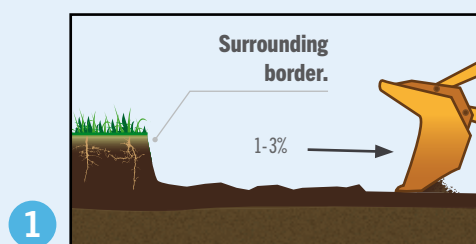
REF.	DESIGNATION
D250	4 stabilisation grids (1 sq.m)

### 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.

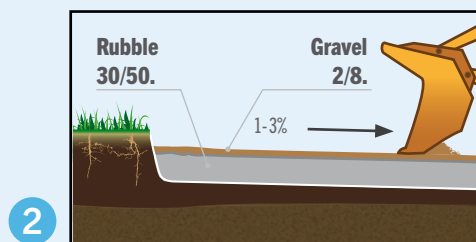


### INSTALLATION



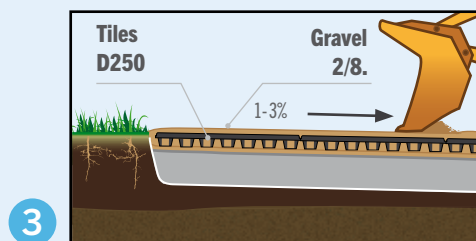
1

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

Performance & Reliability  
**+15 years' experience**  
LA BUVETTE® Solar Range











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.



# SOLAR-POWERED WATERING SYSTEMS

## CHOOSE THE BEST COMBINATION:

Maximum performances and optimum conditions:

									
<b>62</b>  <b>SOLAR-BASIC</b> Ref. 2200	55 Wp	12 V	85 Ah*	<b>1200 l/day</b> (125 l/h)	<b>5 days</b> at 1200 l/day	 10 - 15  10 - 15  80 - 100  25	Waterup pushing <b>10 m</b>	Distance <b>25 m</b>	<b>Unique</b> Drinking site
<b>63</b> <b>SOLAR-FLOW</b> "Fil-du-soleil" Ref. 2203	160 Wp	24 V	-	<b>3500 l/day</b> (360 l/h)	-	 30 - 40  30  250  75	Waterup pushing <b>50 m</b>	Distance <b>500 m</b>	<b>Several</b> Drinking sites
<b>65</b> <b>SOLAR-FLOW</b> "Tout-en-un" 900 L Ref. 2201	80 Wp	12 V	110 Ah	<b>2200 l/day</b> (250 l/h)	<b>10 days</b> at 1200 l/day	 15 - 20  15  175  50	Waterup pushing <b>20 m</b>	Distance <b>50 m</b>	<b>Unique</b> Drinking site
<b>SOLAR-FLOW</b> "Tout-en-un" 1500 L Ref. 2202	160 Wp	24 V	110 Ah	<b>3500 l/day</b> (360 l/h)	<b>10 days</b> at 2500 l/day	 30 - 40  30  250  75	Waterup pushing <b>50 m</b>	Distance <b>50 m</b>	<b>Unique</b> Drinking site
<b>64</b> <b>SOLAR-FLOW</b> "Stockage" 12V Ref. 2285	80 Wp	12 V	110 Ah	<b>2200 l/day</b> (250 l/h)	<b>10 days</b> at 1200 l/day	 15 - 20  15  175  50	Waterup pushing <b>20 m</b>	Distance <b>200 m</b>	<b>Several</b> Drinking sites
<b>SOLAR-FLOW</b> "Stockage" 24V Ref. 2287	160 Wp	24 V	110 Ah	<b>3500 l/day</b> (360 l/h)	<b>10 days</b> at 2500 l/day	 30 - 40  30  250  75	Waterup pushing <b>50 m</b>	Distance <b>500 m</b>	<b>Several</b> Drinking sites

Battery not supplied with this product.

### 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.

### ALL OUR TIPS AND TRICKS TO CHOOSE YOUR SOLAR-POWERED WATERING SOLUTION WISELY:



[bit.ly/Solar-watering](https://bit.ly/Solar-watering)



### ADVANTAGES OF SOLAR-FLOW™ SYSTEMS

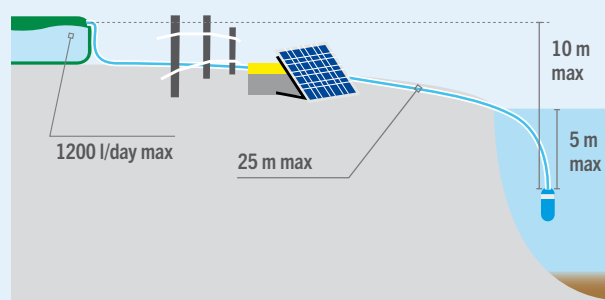
- Unparalleled performance (flow rates, pumping depth, battery life).
- Reliability: Pioneer in the field of solar watering solutions, LA BUVETTE draws on more than 15 years' experience.
- "All-in-one" or modular solutions.
- Advice from specialists and the LA BUVETTE After Sales Department.
- Reduced 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.

# AUTONOMOUS PUMPING STATION

FOR PASTURE



DIAGRAM:  
SOLAR-BASIC



Minimal well diameter: **120 mm (5")**  
Maximum vertically waterup pushing: **10 m (33 ft)**  
Maxi. immersion depth of the pump: **5 m (16 ft)**



**SOLAR-BASIC VIDEO :**  
to watch on [www.labuvette.com](http://www.labuvette.com)



## SOLAR-BASIC

NEW

Solar-powered, off-grid pumping combination able to cover water consumption peaks in summer for 10 adult cattles or 25 heifers or 80 to 100 sheep/goats or 25 horses.

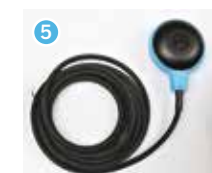
Reliable, powerful and easy to install.



Up to 1200 l/d



Up to 5 days  
without sun



- 1 Submersible pump, 12 V; Flow rate: 200-300 l/h depending on the suction depth
- 2 Solar panel 12 V / 55 Wc with mounting frame
- 3 Pre-wired controller: protects the battery from becoming completely drained
- 4 Storage box for the battery\* and the controller
- 5 The pump is stopped by a water-level sensor in the trough
- 6 All necessary accessories for hydraulic and electrical connections are supplied. 25 m cable and 25 m hose are also included.

**Autonomy:** Solar-Basic can pump **1200 l/day for 5 days without sun\***.

**Easy-to-move combination, to be installed near a pumping point (maximum 25 m).**

Compatible with all types of troughs and tanks.



\*Battery not supplied. We recommend the use of a gel battery with a capacity of 85 Ah, maximum dimensions: 280 x 175 x 190 mm (11" x 6.9" x 7.5").

REF. DESIGNATION

2200 SOLAR-BASIC: 12V Solar-Powered Pumping Set



### OUR ADVICE

**MANDATORY:** Attach the immersion pump of the SOLAR-BASIC to a fixed point by means of a stainless steel or nylon wire. This avoids harmful forces on the power cable and its watertight connection.

Protect the level sensor against the animals by means of the stainless-steel cover (ref. 4140180).

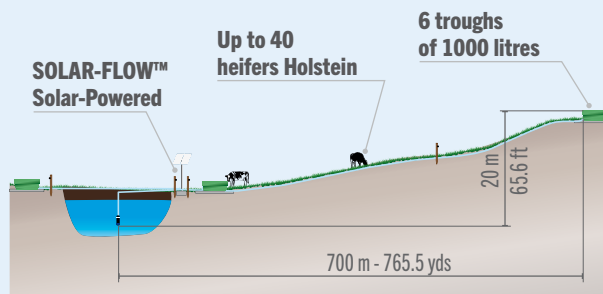




# SOLAR-POWERED PUMP SET

## EXAMPLE OF INSTALLATION SOLAR-FLOW™ SOLAR-POWERED

Mr H. CHAUVIN, breeder of dairy cows in Guemené-Penfao (44, France)  
Installation date: 01/2014 Farm – pasture distance: 6 km (3.7 Miles)  
Pasture season: Approximately 180 days Return on investment: 2 seasons



## SOLAR-FLOW™ SOLAR-POWERED

Complete solar pump sets without battery.

The pump is activated as soon as the luminosity is sufficient

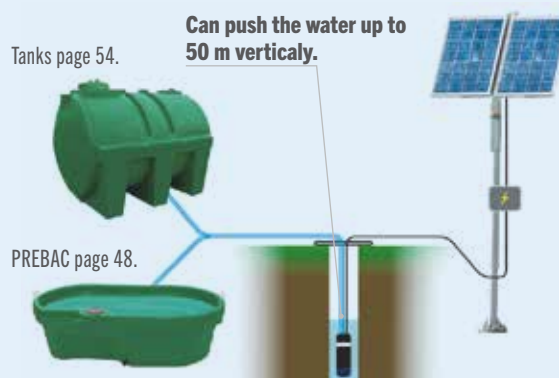


Minimal well diameter:  
**120 mm (5")**  
Maximum vertically waterup pushing: **50 m (164 ft)**  
Maxi. immersion depth of the pump: **20 m (65 ft)**

### 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



## USER'S OPINION



### The Solar-Flow™ is really effective

HERVÉ CHAUVIN, BREEDER OF DAIRY COWS IN GUEMENÉ PENFAO (LOIRE-ATLANTIQUE, FRANCE)

*I have been using a 24 V SOLAR-FLOW™ SOLAR-POWERED pump without batteries since January 2014. It takes water from a pond to serve several groups of Holstein Friesian heifers (up to 40 animals). As soon as there is enough light, the pump fills up 6 troughs of 1000 litres. The farthest one is situated at a distance of 700 metres and 20 m higher and it all works perfectly. The animals stay outside from March till November and before, I had to haul water with my tractor two times a week and it cost me 1h30 each time. I am very happy with my investment. The Solar-Flow™ pump is really effective. My installer adapted the cross-section of the tubes to the distance and he even added a valve system allowing the water to return to the pond when the troughs are full.*



## 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.

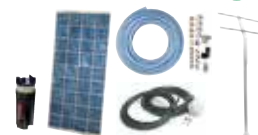
A storage tank is better than troughs as a means of storage. It shields the water from light and you will not find any drowning animals in it. This prevents algae growth and water contamination. Depending on the immersion depth, a SOLAR-FLOW™ "Solar-Powered" can pump up 160 to 360 litres per hour. Equip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

FOR PASTURE



## SOLAR-FLOW™ MODULAR

Customised solar watering system:  
Please contact us.



# AUTONOMOUS HEAVY DUTY PUMPING STATION



## 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.

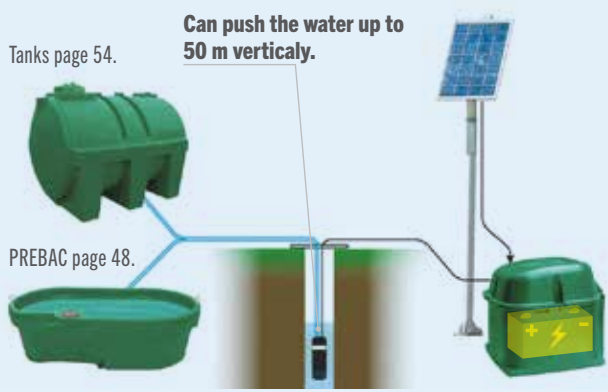


Available in 12 volt and 24 volt models.

### 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

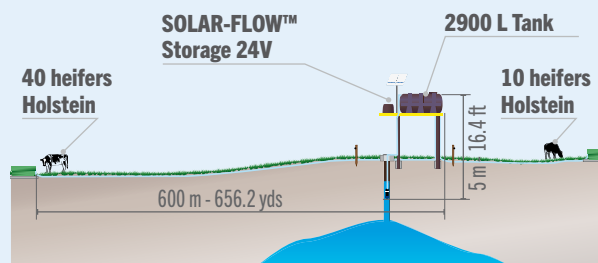


### DID YOU KNOW ?

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

### EXAMPLE OF INSTALLATION SOLAR-FLOW™ STORAGE

Mr J-L. GAVARD, breeder of dairy cows in Saint-Etienne-en-Coglès (35, France)  
Installation date: 07/2014 Farm – pastures distance: 3 km (1.9 Miles)  
Pasture season: Approximately 160 days Return on investment: 2 seasons



### USER'S OPINION



### My SOLAR-FLOW™ station paid itself back in only two seasons

JEAN-LOUIS GAVARD, BREEDER OF DAIRY COWS IN SAINT-ETIENNE-EN-COGLÈS (ILLE-ET-VILAINE, FRANCE)

*My 24 V SOLAR-FLOW™ Storage with batteries has been operational since July 2014. The water is drawn from a shallow borehole and is first stored in a higher-placed 2900-litre tank before supplying two troughs placed at a distance of up to 600 m. From April to November, the system provides water to a group of 1 to 2-year old heifers and a group of some ten +2 year old heifers on pasture at 3 km from the farm. My SOLAR-FLOW™ Storage station saves me 1h30 of water hauling duty 2 to 3 times a week, it paid itself back in only two seasons.*



## THERMOSOLAR



All-season solar-powered watering system:

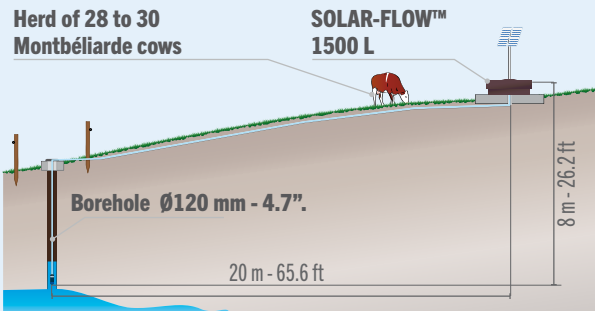
Please contact us.



# DRINKING TROUGHS WITH SOLAR PUMPS AND BATTERIES

## 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-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.)

- 1500 L trough (2 x 750) in Polychoc™ HDPE (as PREBAC) Ø 2,00 m. 10 years warranty. Quick draining "Vide-Vite".
- Water level sensors inside the trough initiate the start and stop function of the pump.
- 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).



- 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.
- 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.**

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

- Solar panel 80 Wp, pole and bracket



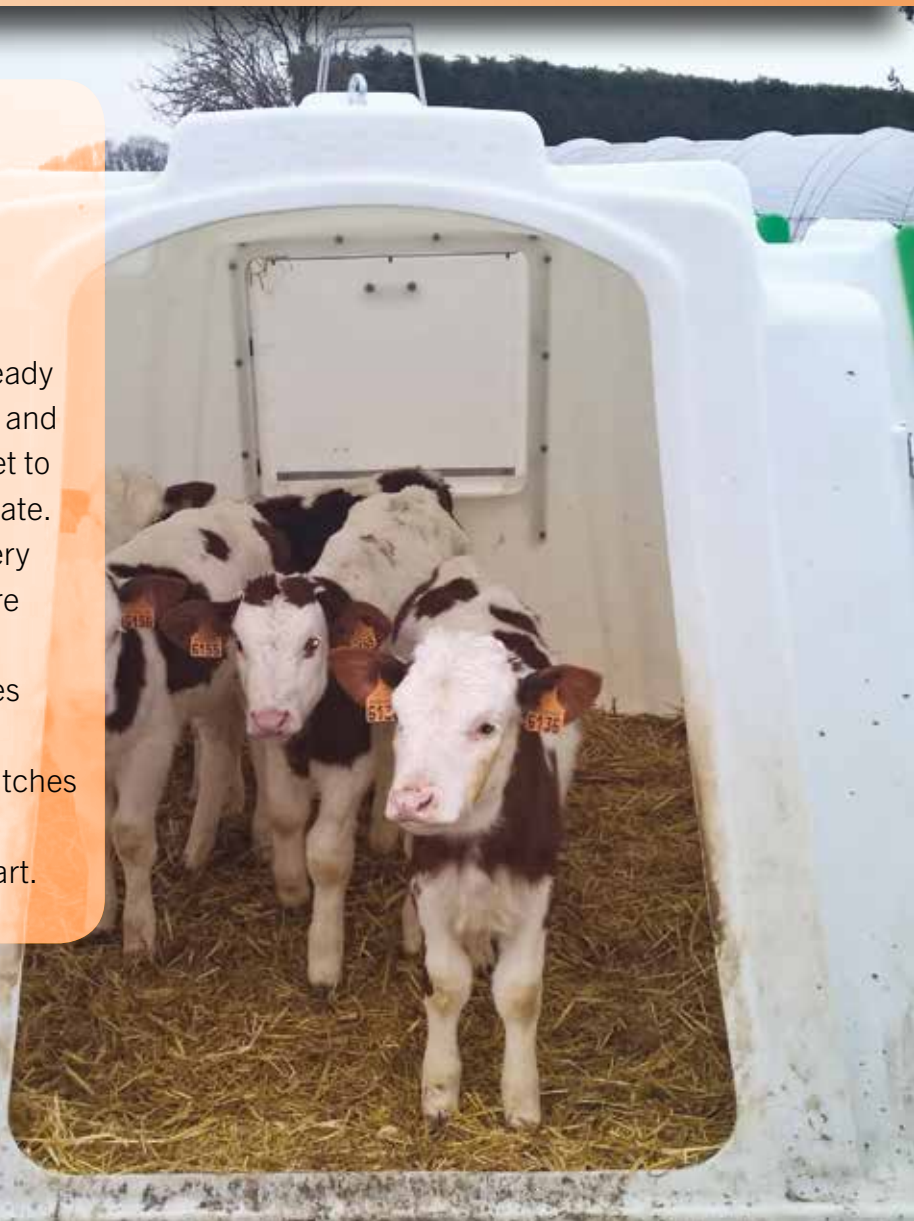
REF.	DESIGNATION
2201	Complete pack - Solar pump - Two 450 litres (900 litres) drinking troughs - One 12 V battery and one solar panel 80 Wp



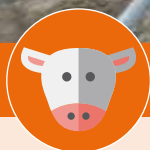
# TO HELP YOUR CALVES MAKE A GOOD START IN LIFE

## 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.



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.



INDIVIDUAL



SEE P.71

### MIDDLESTAR from 1 to 2 months

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



INDIVIDUAL



SEE P.72

# 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 11.



Page 26.



Page 16.



Page 75.

## 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 73.



Page 81.



Page 78.

## The essential carts and wheelbarrows

LA BUVETTE offers a wide range of rolling material to transport buckets, fodder and even new-born animals.



DISCOVER ALL OUR FENCES AND GATES ON PAGE 73

## LOGISTAR up to 2 months

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



SEE P.72



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.74



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

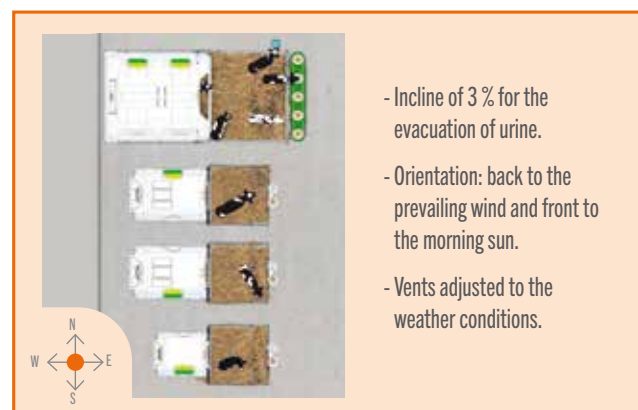
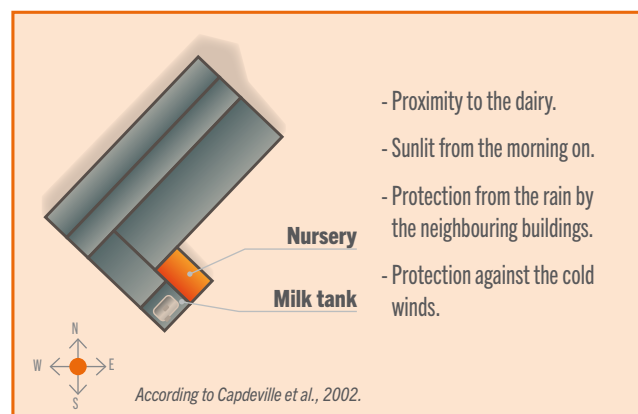
The air inside the hutch of the young calf must be replaced to evacuate the foul air that is often the cause of respiratory diseases. The air speed around the calves should not exceed 0,25 m/s. The air speed can be increased to 1 m/s to lower high temperatures (above 25 °C) during the summer. Draughts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

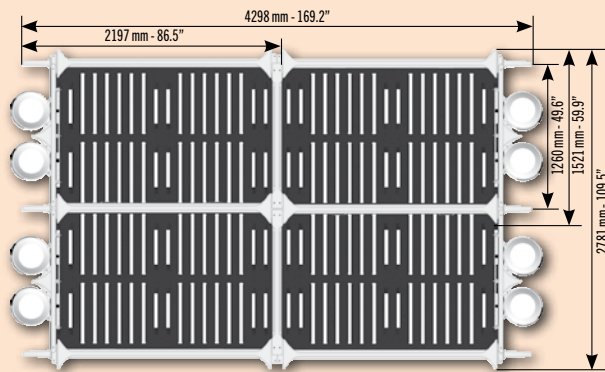
AGE	WATER NEEDS (IN LITRES PER DAY)
1st to 3rd week	1 to 1,5
4th week	2,5 to 3,5
2nd month	4 to 7
3rd month	5 to 8
4th month	6 to 10
5th month	11 to 13
6th month	14 to 17



# MODULAR INDIVIDUAL CALF BOX



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



## PE SLAT-FLOOR

**Non-slip and sturdy slat floor in HDPE.**

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™
------	---

## 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.

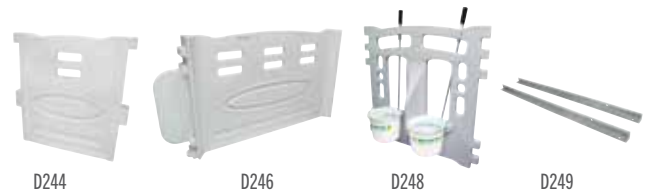


- 1 Made of double-walled PEHD. This rot-resistant material allows easy maintenance and enhances hygiene. The rounded shapes and soft material avoid wounds.
- 2 The 2 included adjustable headlocks allow you to immobilize the calf. One Ø280 mm pail and its support is included with the gate. An another 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.



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")

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



REF.	DESIGNATION
------	-------------

D244	BABY-STAR™ rear wall
------	----------------------

D246	BABY-STAR™ side wall
------	----------------------

D248	BABY-STAR™ front wall + 2 headlocks + 1 pail + 1 holder for pail + 3 connecting pins + 1 quick gate opening/closing system
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D249	Set of brackets to mount two BABY-STAR™ elements to the wall
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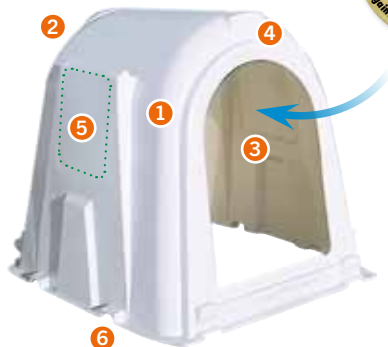


# INDIVIDUAL CALF HUTCH IN POLYETHYLENE FOR A CALF UP TO 4 WEEKS OLD

## MINISTAR™

Starter hutch for calve 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")



- 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.
- The ventilation opening at the rear ensures better ventilation and always clean air.
- Large gate allows direct supervision of your calf and entry of fresh air.
- Sticker to record all important information about the calf (identification, rations...)
- This part can be cut out easily to create an opening. Hatch and feed rack sold separately, see page 73.
- Urine draining.
- 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 73).

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.

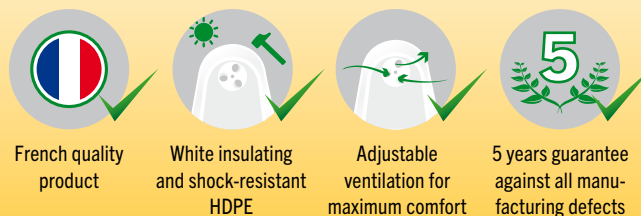
Warranty claims for a hutch shall be sent to your LA BUVETTE dealer accompanied with your purchase invoice and photos of the damaged hutch and in particular of its date stamp (see prebac, p. 50).

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

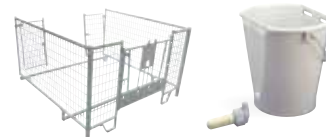
Adjustable ventilation for maximum comfort

5 years guarantee against all manufacturing defects

## + ACCESSORIES

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

Numerous accessories are available: **See page 73.**



### USER'S OPINION

**The calves are sound and full of life!**



MR CYRIL GOSSET, DAIRY FARMER  
AT RUMIGNY (08-FRANCE).  
**WATCH THE VIDEO** on [www.labuvette.com](http://www.labuvette.com)

*The calves were housed in concrete individual boxes in an old building and we experienced various health and mortality issues due to the ventilation and evacuations. On the advice of our veterinarian, we now start off our calves in MINISTAR hutches for 2 weeks. We notice many changes! The calves are now sound and full of life when they arrive in the group pen in the building. Provided that each hutch is properly disinfected after each calf, panting and diarrhoea are ancient history.*



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



## USER'S OPINION



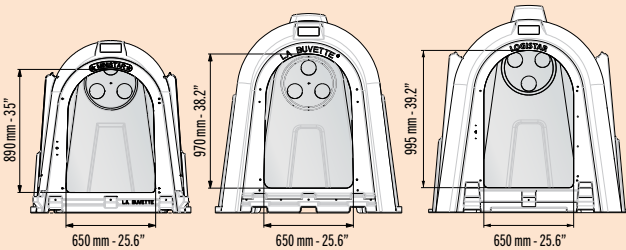
*I am very satisfied with the working conditions*

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

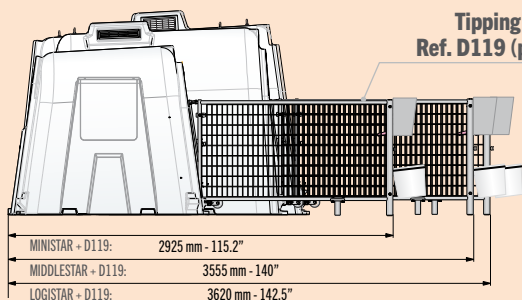
*The hutches are perfect to get the calves going. I use them from the moment of calving until the calves are 7 days old. The hutches provide a healthy environment, there are no temperature problems and the litter is always dry. During this period, I teach them to drink on their own, and I am very pleased 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



Tipping fence  
Ref. D119 (p. 73).



## 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 73.
- 4 Large variety of optional accessories (see page 73).

### 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



# ACCESSORIES FOR NURSERY



## PE SLAT-FLOOR

Non-slip and sturdy slat floor in HDPE, perfect for BABY-STAR™ or 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")



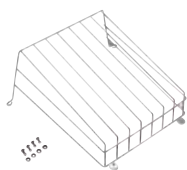
REF.	DESIGNATION
D253	PE slat floor for BABY-STAR™ or MINISTAR™

## + ACCESSORIES

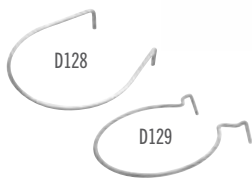
For MINISTAR™, MIDDLESTAR and LOGISTAR™.



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.



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 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

# POLYETHYLENE GROUP HUTCH FOR CALVES FROM 2 TO 6 MONTHS



## + 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>)

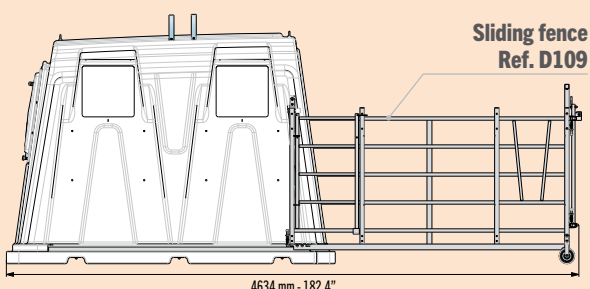
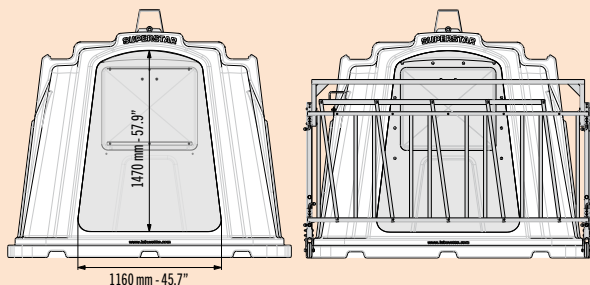


- 1 Stanchion for 5 animals
- 2 Access gate for the farmer.
- 3 Head opening for drinking.
- 4 Left/right-reversible side panels.

### 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

## 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 73.

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 26) can also be mounted between two SUPERSTAR fences.



# 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).



Width: 36 cm (14.2")  
Depth: 22 cm (8.7")  
Height on feet: 31 to 46 cm  
(12.2 to 18.1")

- 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



## 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.

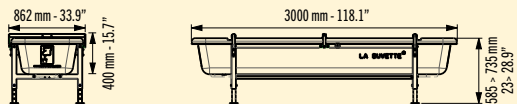
- The seamless feed troughs are not guaranteed against damage caused by improper handling, incorrect installation (on not levelled or uneven terrain) or inappropriate use, other than for feeding livestock. A PREMIUM seamless feed trough that is used for watering must be equipped with the D227 fill set (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. 50).

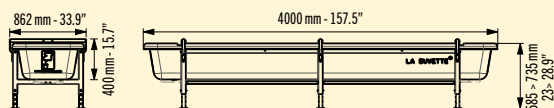
Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-12,5% per year).

## DIMENSIONS

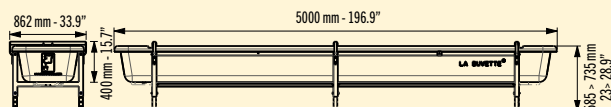
D218:



D219:



D220:



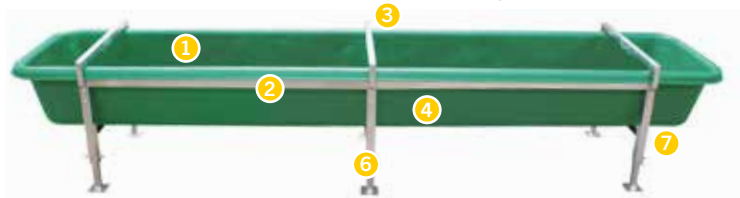
## MONOBLOC PREMIUM TROUGHS

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.

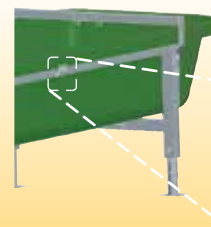
REF.	DESIGNATION
D218	Length 3 m - Capacity 620 litres
D219	Length 4 m - Capacity 845 litres
D220	Length 5 m - Capacity 1070 litres

## + 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.

# MODULAR POLYCHOC™ POLYETHYLENE TROUGHS



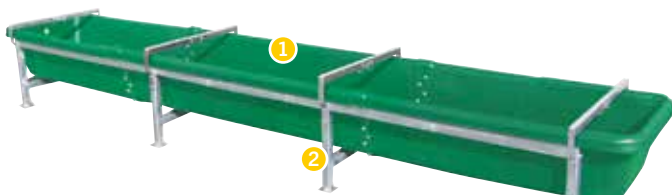
## MODULAR TROUGHS

Modular feed troughs for cattle kept indoor or outdoor.

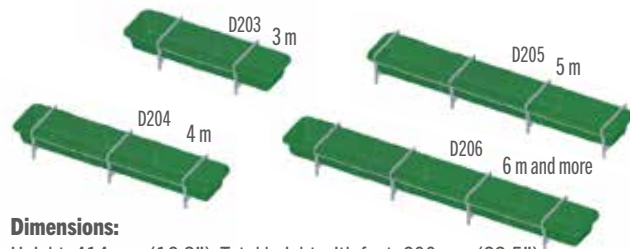
Monobloc tub made of 100 % pure polyethylene resistant to the pH-acid value of the silage.

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. 50).

Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-12,5% per year).

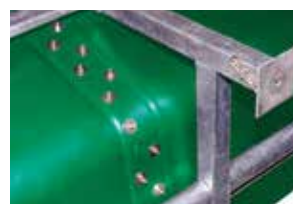
## TUBS

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")

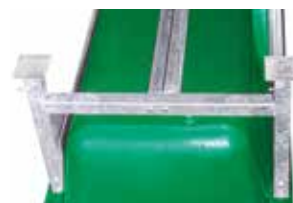
## METAL FRAME



Bolts for PE.



D202



D214



D216

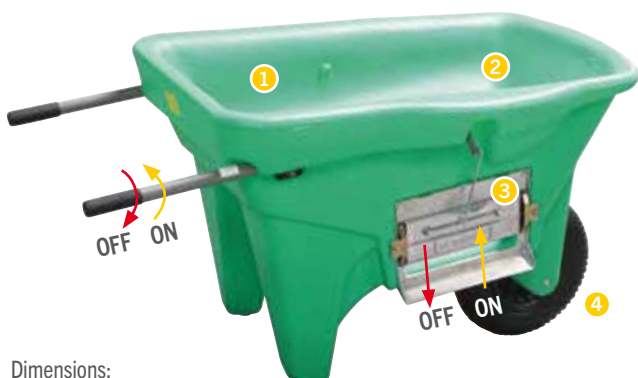
REF.	DESIGNATION
D202	3 Supporting profiles of 1,5 m (59") + bolts for PE
D214	Transverse support + 2 feet + 1 Anti-fall bar + bolts
D215	3 Supporting profiles of 1 m (39.4") + bolts for PE
D216	Additional anti-fall bar + bolts (easy mounting on transverse support)



## 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
------	-----------------------------------

## 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.

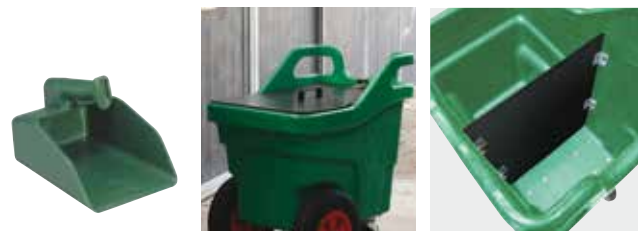


- 1 Sturdy and durable: high density polyethylene tub with seamed double-walled edge on a metal frame.
- 2 Well-balanced and easy to handle: Ø 400 mm wheels with pneumatic tyres and ball bearings for comfortable handling.
- 3 Two caster wheels for smooth handling.
- 4 Heightened version (+15 cm) to reach 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



D171

D176 - D178

D177 - D179

REF.	DESIGNATION
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



# DUMPING WHEELBARROWS



## 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



## 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.



# BALE TROLLEY AND 4-WHEELED CART



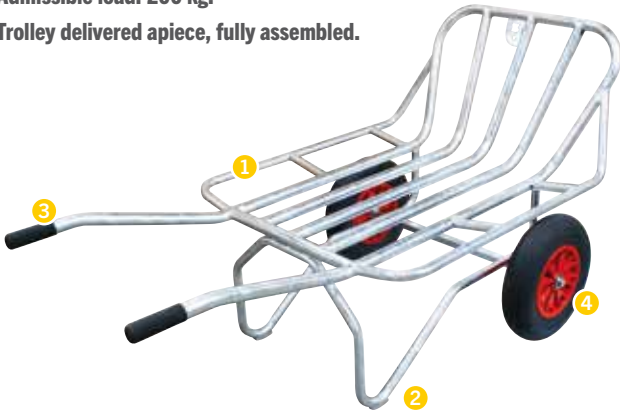
## BALE TROLLEY

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").

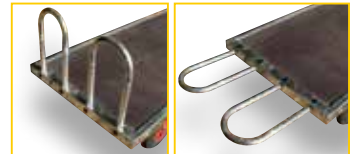
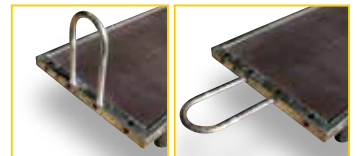
REF.	DESIGNATION
D183	4-Wheeled Cart, naked (without side piece)

## + 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.**

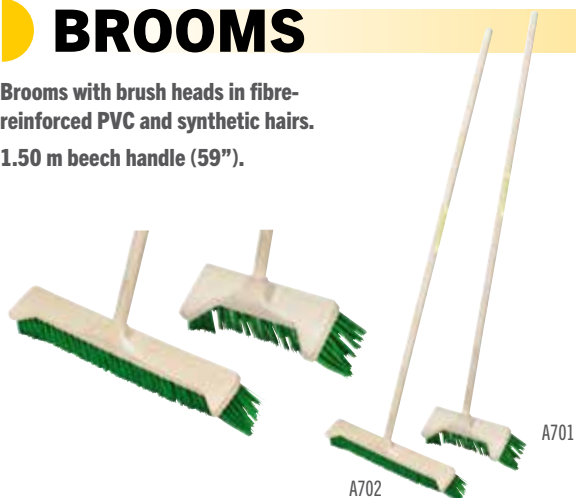


REF.	DESIGNATION
A793	Set of 2 U-shaped side pieces
A794	Coupling for compact tractor to be mounted on the drawbar



## 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"). Ideal for shovelling snow.



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

# FOOTBATHS IN POLYETHYLENE

## 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.



D107

- 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
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D107	Manure-free footbath 160 for cattle. Max. capacity: 120 L (31.7 USG)
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## + 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.



A207

REF.	DESIGNATION
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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")



D105

REF.	DESIGNATION
------	-------------

D105	Footbath for disinfection of boots.
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## 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.



D101

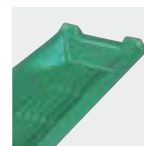


D102



D106

- 1 Special for sheep and goats: Its length prevents animals from jumping across the tray.



REF.	DESIGNATION
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D101	For cattle - L. 200 x W. 85 x H. 16 cm (78.7 x 33.5 x 6.3")
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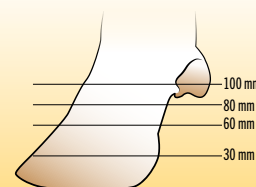
D102	For cattle - L. 300 x W. 100 x H. 18 cm (118 x 39.4 x 7")
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D106	For sheep and goats - L. 300 x W. 47 x H. 18 cm (118 x 19 x 7")
------	---



## 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.



# TREATMENT THROUGH DRINKING WATER

## AQUAMIX

**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 treatment products, but it is not suitable for corrosive disinfectants (in particular 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 engine for higher flow rate and maximum increased working pressure.
- 3 The dose is adjusted in a simple and easy manner.

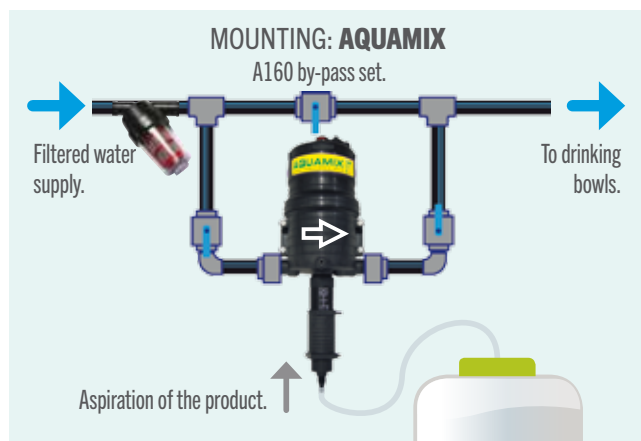


Flow: from 0,06 m<sup>3</sup>/h to 4,5 m<sup>3</sup>/h  
Working pressure: from 0,3 to 6,9 bars

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, 6m <sup>3</sup> /h - OBLIGATORY ahead of the dosing pump - 1" (26x34) connection

## AQUABLEND

**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 m<sup>3</sup>/h to 2,5 m<sup>3</sup>/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

**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 m<sup>3</sup>/h to 2,5 m<sup>3</sup>/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).

# 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. Lukewarm water is better for goats and dairy ewes. Ask LA BUVETTE for advice.

FOR SHEEP & GOATS



## 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

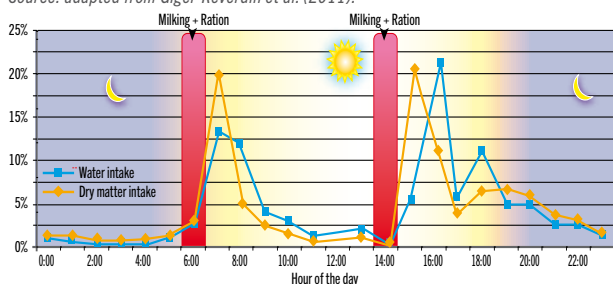
- Drinking frequency/day: 5 to 20
- Volume per drinking time: 0,4 to 0,7 l
- Time spent drinking/day: 1 to 2 minutes
- Single drinking time: approximately 15 to 20 seconds
- Intake speed: 1,5 to 3,5 l/minute

### 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. Which has of course a negative impact on the performance.

## 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.

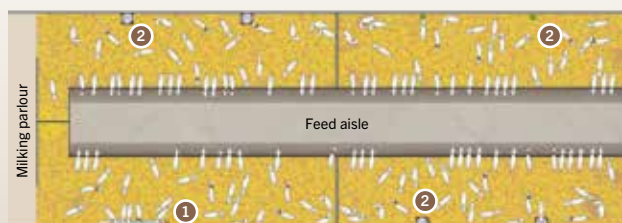
### SHEEP BARN – 150 PLACES FOR NURSING EWES



- 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, BABYLAC, 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 or OVITUBE**  
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. Water that is too cold in the winter will lower the milk production. Therefore, it is recommended to use a water heating set for OVICAP.
- 2 **Single access: BABYLAB ; or heated drinker: BIGCHO 2**  
The cast iron BABYLAB drinkers with push tube are ideal for goats.  
It is also 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.

# CLASSICAL DRINKING BOWLS

## BABYLAC

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 ½" (15x21 mm) left / right.

More information **page 11**.



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 ¾" tube.  
Can be connected on vertical ½" tube from bottom with accessories (see page 98).



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 ½" (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

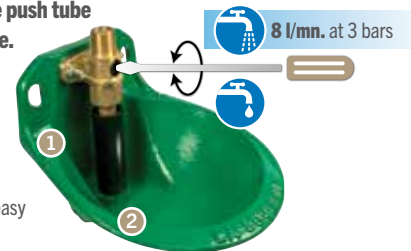
## BABYLAB™

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 ½" (15x21) above.

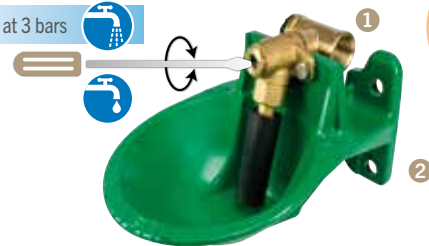


- 1 Smooth tube valve, very easy to push.
- 2 Small water reserve for educational purposes

REF.	DESIGNATION	PACKAGING
2014	Cast iron with Polycoat - Brass ½" valve	2 per carton
2012	Enamelled cast iron - Brass ½" valve	2 per carton

Same as BABYLAB™ with ¾" T-fitting.

 18 l/mn. at 3 bars



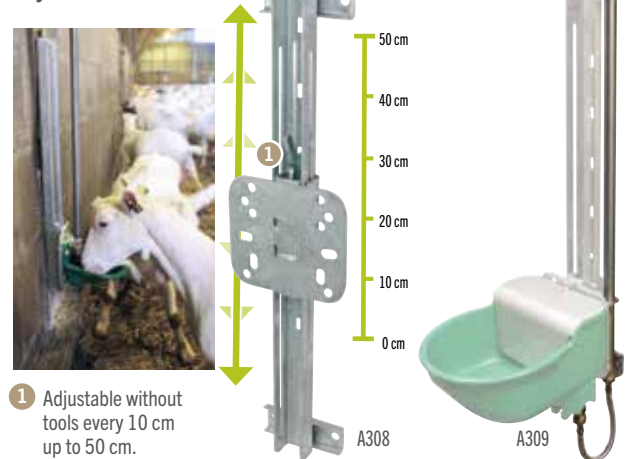
- 1 Connection to loop possible with T ¾" (20 x 27 mm)
- 2 4 fixing points



REF.	DESIGNATION	PACKAGING
2019	Cast iron with Polycoat - Brass ¾" valve with T	Plastic bag

## + ACCESSORIES

Adjustable bracket:



- 1 Adjustable without tools every 10 cm up to 50 cm.

REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 99)
A309	Complete connection set for LAC5/55 or BABYLAC mounted on A308





# LARGE STAINLESS-STEEL OR GALVANISED DRINKING TROUGHS



## OVICAP INOX / STD

Large stainless-steel or galvanised drinking trough with float valve.

**120 cm long:** Ideal for 25 to 40 sheep/goats. (47.2")

**240 cm long:** Ideal for 50 to 80 sheep/goats. (94.5")

NEW



32 l/mn. at 3 bars

- 1 Trough and cover all made of stainless or galvanised steel depending on the model. Non-spill edge.
- 2 Very large water access: 88,5 x 14,5 cm / 208,5 x 14,5 cm (OVICAP 120 / 240) Adjustable reserve from 17 to 27 L (OVICAP 120), 34 to 54 L (OVICAP 240).
- 3 Cover and valve can be reversed from right to left., connection 1/2" (15x21) M.
- 4 Large "Vide-Vite" drain, 95 x 50 mm, left side.
- 5 Optional ANTI-STRAW covers and heating elements "WARM WATER" (see below).

Mounting on wall, 3 fixing points.

REF.	DESIGNATION
2421	OVICAP INOX 120 cm stainless steel drinker 21 L.
2422	OVICAP INOX 240 cm stainless steel drinker 42 L..
2419	Same as 2421 made of galvanised steel
2420	Same as 2422 made of galvanised steel

## + ACCESSORIES

Stainless-steel ANTI-STRAW covers for OVICAP. Supplied with a lock to be fixed to the wall in order to keep it in the open position.

Hinges to be riveted.

Compatible with heating elements.



Self-regulating heating elements to distribute warm water (15 °C) on the OVICAP 120 and OVICAP 240 drinking troughs.

- 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.



Transformer 230/24 V is required delivered separately (see p.88).

REF.	DESIGNATION
A302	ANTI-STRAW cover for OVICAP 120
A303	ANTI-STRAW cover for OVICAP 240
A409	Water heating set 180W/24V for OVICAP 120
A410	Water heating set 360W/24V for OVICAP 240



## OVITUBE

Large stainless-steel drinking trough with float valve.

**120 cm long:** Ideal for 25 to 35 sheep/goats. (47.2")

**210 cm long:** Ideal for 35 to 65 sheep/goats. (82.7")

NEW



5,1 l/mn. at 3 bars

- 1 Compact stainless-steel trough with rounded shape, without protruding edges. Non-spill inside edge.
- 2 Large water access: 82 x 13,5 cm / 170 x 13,5 cm (OVITUBE 120 / 210) Adjustable reserve from 6 to 12 L (OVITUBE 120), 11 to 22 L (OVITUBE 210).
- 3 Float valve protected by stainless-steel cover. Easily adjustable water level. Water inlet 1/2" (15x21 mm) male from the right.
- 4 Large "Vide-Vite" drain, 95 x 50 mm, left side.
- 5 Optional heating element 80W/24V ref. A413 (See Accessories).

Fastening by means of minimum 4 fixing points. 6 anchor points. Mounting on wall, fence or height-adjustable mounting bracket, ref. A308 (see accessories).

REF.	DESIGNATION
2417	OVITUBE 120 Stainless steel drinker 9 L
2418	OVITUBE 210 Stainless steel drinker 16 L

## + ACCESSORIES



Transformer 230/24 V is required delivered separately (see p.88).

REF.	DESIGNATION
A308	Mounting rail to adjust drinking bowl height (see page 99) Two A308 mounting brackets are needed for 1 OVITUBE
A309	Complete connection set for OVITUBE mounted on A308
A317	Mounting brackets for fence
A413	Frost-free set 80W/24V
C162	Heating cable 24 V / 22 W - Length: 3 m, to protect water supply

# FROST-FREE WATERERS AND FROST PROTECTION SYSTEMS



## NORMANDY

### Compact HDPE drinker with constant level.

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.



A396



- 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.

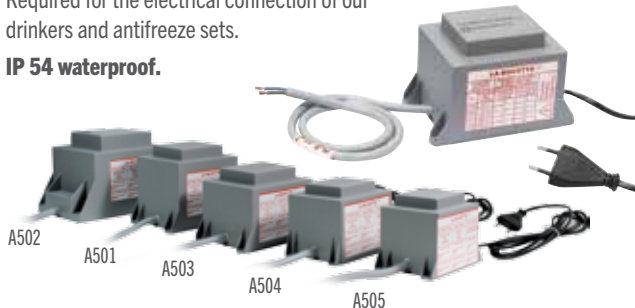
REF.	DESIGNATION	PACKAGING
1717	NORMANDY with float valve	Carton apiece
A396	Anti-freeze power set of 80 W/24 V to protect the bowl and valve.	

## + TRANSFORMERS

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

Required for the electrical connection of our drinkers and antifreeze sets.

### IP 54 waterproof.



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

## 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 15 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 27.



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)

## + HDPE-STAND

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

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



REF.	DESIGNATION
A570	Height 400 mm to be fixed to the floor ; Especially designed for little animals: calves, sheeps, goats, ponies...



### 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.



# FROST-FREE WATERERS AND FROST PROTECTION SYSTEMS

## SPEED-FLOW

**High-power pump (230 V/550 W)**  
for circulation system with high flow rate.  
More information on page 20.



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

## THERMOFLOW

**Stand-alone heater of 1500 W for water pipes in a loop system. Compatible with all types of circulation pumps.**

Activated by the water temperature.  
More information on page 21.



REF.	DESIGNATION	PACKAGING
A301	Additional programmable 1500 W heater 230 V singlephase - Connection 1"½	Carton apiece

## 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



## HEATING WIRE AND CABLES



To keep water pipes frost-free.  
More information on pages 22-23.

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

## 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 45.



- 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

# LARGE POLYETHYLENE DRINKING TROUGHS



## 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 ½" (15x21)

## BIGLAC 55/90

Double access deep waterer in HDPE with float valve, 55 and 90 litres.  
High flow rate. **Suitable for 40 and 60 sheep.**

32 l/mn. at 3 bars



Galvanised frame for wall or fence mounting.  
Connection ½" (15x21) from top or bottom.  
More information on page 9.

REF.	DESIGNATION
1652	Double 55 litres waterer on polyethylene for standard pressure
1655	Double 90 litres waterer on polyethylene for standard pressure

## 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 50.

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 50.

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 mouting or on concrete base.

REF.	DESIGNATION
2219	Polychoc 70 l. trough - Standard pressure - Connection ½" (15x21)
2217	Same as 2219 but for low pressure (<1bar-14.5psi)(blue) for supply by gravity

# 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 71.



- 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

Plastic version: L 240 x W 215 x H 210 mm  
(L 9.5" x W 8.5" x H 8.25")

Stainless-steel version (for 25 kg stone):  
L 265 x W 256 x H 200 mm  
(L 10.4" x W 10" x H 7.9")



REF.	DESIGNATION
D170	Lickstone holder in plastic
D173	Stainless steel holder for mineral lick up to 25 kg (55 lbs)

## CLEANFOOT

Footbath for sheep and goats.

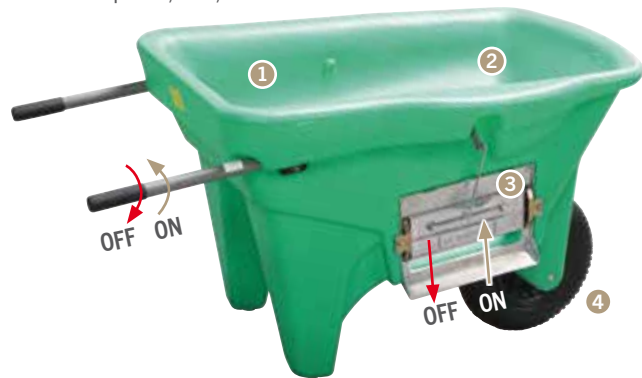


REF.	DESIGNATION
D106	For sheep and goats - L. 300 x W. 47 x H. 18 cm (118 x 19 x 7")



## 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 89.

- 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.



FOR PIGS

## 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



## DIRECTO

**Stainless steel finger moistener.**

Connection 3/8" (12x17) male.

Flow rate adjustment in upper half.

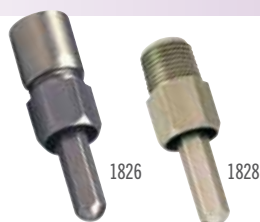


REF.	DESIGNATION	PACKAGING
1827	Mini. flow rate: 0,3 l/mn - Maxi : 3,5 l/mn. Fitting 3/8" (12x17) male.	Per box of 20

## POUSTUBE

**Stainless steel finger moistener**  
with female or male 1/2" fitting.

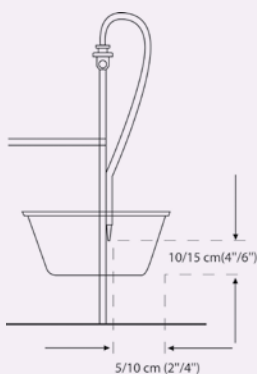
Flow rate adjustment in upper half.



- 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

### MOUNTING: POUSTUBE



Mounting the POUSTUBE in a trough for sows or "dry feeder".

**Variable flow rate:**  
2 to 9 l/mn  
(0.53 to 2.38 USG/min).

## 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.

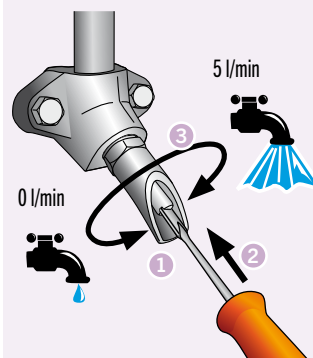
1/2" male fitting. Suitable for low and standard pressure.

Long life guaranteed by its 3 stainless steel parts (body, tube and spring).

Easy mounting with hexagon nut (mounting bracket A804, 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



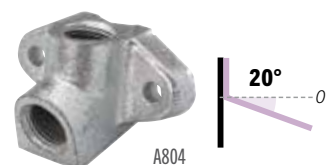
**There is nothing more easy to increase the flow rate.**

- 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	20° mounting bracket for DIRECTO 50, 70 (and 90 only in maternity boxes)





# BREEDING MATERIAL AND DRINKING TROUGHS FOR PIGS KEPT OUTDOORS

## MEMBRANE VALVE

Valve to maintain a low constant water level in a group trough or bowl.

Connection 1/2" (15x21) Male.



Ø17 mm    Ø25 mm    Ø32 mm



The valve comes with 3 plastic fittings.

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



### DID YOU KNOW ?

The membrane valve keeps the water level low in group troughs. With this valve, the level of stagnant water in the troughs will no longer be too high. The water is renewed quickly and is therefore more hygienic.

This helps you improve compliance with animal welfare standards.



## 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.



1671  
1672

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 42](#).

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

**OVICAP INOX 120 / 240:**  
Large stainless steel wall-mounted drinking troughs with adjustable float valve and high flow rate.

Optional heating element.  
More information [page 87](#).



2421  
2422

**LAC 5:**  
Universal cast iron bowl with constant water level.

More information [page 8](#).



1627

## DOSING PUMPS

Accurate and reliable dosing pumps for medication, supplements, disinfection, ...

More information [page 83](#).



# 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)



**Blue intelligence®**

## 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-waterers.co.uk](http://www.labuvette-waterers.co.uk)  
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



The LA BUVETTE® HORSE CATALOGUE is freely available. Ask for it or download it from [www.labuvette-waterers.co.uk](http://www.labuvette-waterers.co.uk).



Subscribe to our YouTube channel to keep up to date: @LA BUVETTE

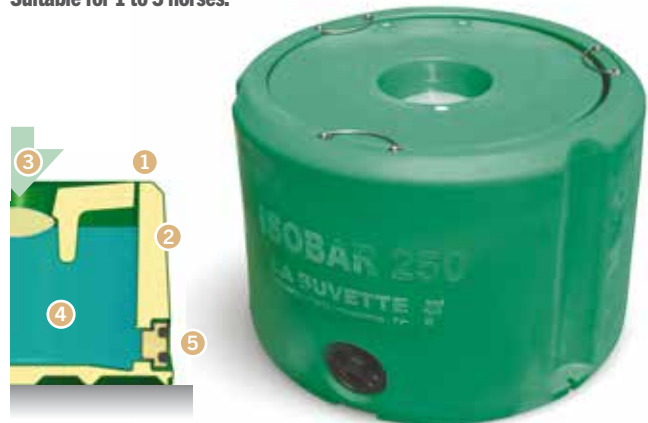


## ISOBAR 250

NEW

Antifreeze isothermal trough without electricity, ideal for places without running water where frost can occur.

Suitable for 1 to 3 horses.



- 1 Made of UV-resistant, food-safe HDPE.
- 2 Anti-freeze protection down to -15 °C guaranteed by polyethylene-foam filled double wall.
- 3 The horse easily pushes against the lens in the middle of the floating cover in order to drink.
- 4 Water reserve for 1 week for one horse (in winter). Hygiene: The water is protected from the sun, wild animals, autumn leaves...
- 5 Ø100 mm large drain with insulating plug.

Inside design without nooks and crannies for quick and efficient cleaning. The floating cover can be removed without tools.

Compact and easy to transport.

MAXIMUM CAPACITY: 250 litres / AVAILABLE (with cover): 180 litres.  
Dimensions: Ø100,5 x h.65 cm (Ø39.4" x 25.6")

REF.	DESIGNATION
1751	Isothermal trough with floating cover



# CONNECTION ACCESSORIES

## MOUNTING SET



### CONNECTION SET

REF.	DESIGNATION
A359	Connection set for water circuit (FORSTAL, p.12): 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.42)
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. 99).

### 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

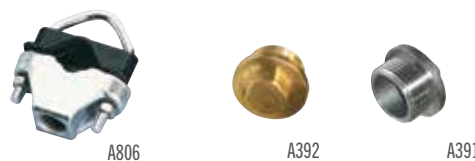
## BRAIDED HOSES

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.
A391	Male 3/4" stainless steel screw plug
A392	Male 3/4" brass screw plug



# PROTECTIONS AND MOUNTING ACCESSORIES

## MOUNTING BRACKETS

### Adjustable mounting bracket:

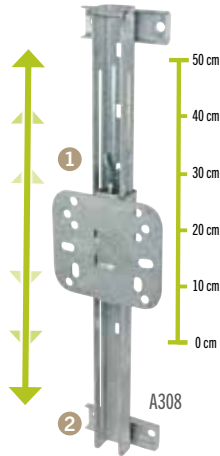
System to adjust the drinker height to the litter thickness.

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.

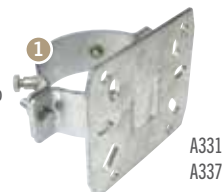


For the mounting on  $\varnothing 102$  (4") and 140 mm (5.5") poles:



1 Double clamping system to avoid rotation.

2 Suitable for standard and octagonal posts.



Bracket to mount a drinker on a steel post (H profile).

Spacing: 100 – 200 mm.



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. 98).
A331	Mounting bracket for waterers on pole $\varnothing 102$ mm (4") or octagonal: For S4, F11, FORSTAL, F30, F30A, F60, LAC 5/55/50, BABYLAB™/T, F110 Inox, F130 Inox, F130 EL.
A334	Obligatory mounting bracket for F110 and F130 on poles $\varnothing 50$ -75 mm (2"-3"). You can also use it for BABYLAB™, F11, F25, F30, F30A, F40 and F60.
A336	Mounting bracket for waterers on H-post with a width of 100 to 200 mm. Same drinkers compatibility as A331.
A337	Same as A331 for pole $\varnothing 140$ mm (5.5") and octagonal.
A315	Set of 2 galvanised steel brackets for F11 - F30 - F60 - F110 Inox - BABYLAB™ on tubes up to $\varnothing 50$ mm (2")
A316	Same as A315, for tubes of $\varnothing 50$ (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



REF.	DESIGNATION
A349	Protection frame in galvanised steel suitable for LAC 55. Wall mounting. Dim.: L 400 x D 320 x H 160 mm (15.7" x 12.6" x 6.3")
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.



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.

# LA BUVETTE® SHELF SPACE, YOU ARE AT THE RIGHT PLACE!

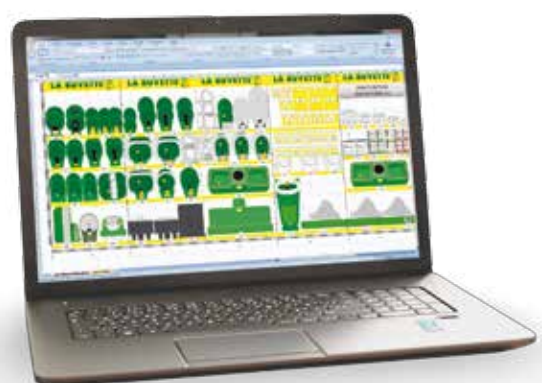


A LA BUVETTE shelf space is noticed in a glance. It gives easy access to the products and all related information. Your LA BUVETTE representative will be pleased to help you with a tailor-made solution that matches the expectations of the professional breeders.



REF.	DESIGNATION
A913	Display stand for drinkers, double-sided (empty)
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
A923	205 x 40 mm label with product information for label holder

## LET US HELP YOU DESIGN YOUR LA BUVETTE® CORNER



The visibility of your shelf space is important to help you make the best out of your retail space and to increase your turnover while meeting the expectations of the breeders from your area. Your LA BUVETTE representative (see details opposite) will take all of your parameters into consideration to offer you a customised turnkey solution.

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# LA BUVETTE® VIDEOS, PACKED WITH TIPS



## ADVICE VIDEOS FROM SPECIALISTS

Installing a drinker or a pasture pump, choosing a solar-powered pump, repairing a polyethylene trough, replacing a float valve or a flow adjustment screw and mounting a “Hands-Dry” drain plug become as easy as child’s play after having watched the LA BUVETTE videos.

Subscribe to our YouTube channel to keep up to date: @LA BUVETTE





Documentation, advice, spare parts,  
mounting instructions and videos  
on our web site:  
[www.labuvette-waterers.co.uk](http://www.labuvette-waterers.co.uk)

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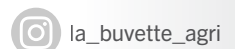
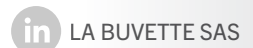


## YOUR APPROVED DEALER

Photos: La Buvette - C. Gustin - P. Pervez - J.-M. Lecomte J. Malleval

IMPRIM'VERT® Printed by Burotype Copies, Reims, FRANCE - 12/2020

PEFC 10-31-3162 / Certifié PEFC / pefc-france.org



# LA BUVETTE®

The Specialist in Livestock Drinking Solutions



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