## The Specialist in Livestock Drinking solutions

## HORSE <br> CATALOGUE 2022

Drinking Bowls
Frost-Free Solutions
Connected Solutions
Autonomous Pumping
Stable Equipment

# LA BUVETTE ${ }^{\circledR}$, EXPERT IN DRINKING SYSTEMS FOR YOUR HORSES... 

## OUR EXPERIENCE AT THE SERVICE OF YOUR DAY-TO-DAY WORK

by Jean-Philippe BOUSQUET, President

Every passion comes with its share of pleasure and satisfaction, but also with its unique constraints and dangers. Since more than a century, we are manufacturing breeding equipment and are well aware of the issues surrounding a passion for horses, whether for leisure or professional matters. Our goal is to design solutions that erase constraints to rise the pleasure at his best level.

As a result, our livestock-drinking solutions - from the simplest to the most technological - are all designed to meet a horse specific basic need. However, we have also been able to make these evolutions in order to provide maximum comfort for both animals and humans. This is the case for our new ISOBAR 250 (p. 20), an innovative isothermal frost-free drinker for meadows and paddocks with no water or electricity supply, and our AQUAMAT II muzzle plump (p. 31), recently promoted by the very popular "THREE-HEARTS" influencer Capucine (opposite).
Every day, we put our experience at the service of your day-to-day work. Whether it's for advice, stable equipment, wheelbarrows, haybells, feeders ( p .32 ) or for spare parts, our teams are committed to providing you with the best possible service.

Youfube screenshot
OTHREE-HEARTS - Baly et Capucine

## KNOW-HOW \& EXPERTISE

LA BUVETTE ${ }^{\text {is }}$ is manufacturing equipment for breeders since 115 years. A solid experience and French know-how that gives this medium-sized enterprise an acknowledged position in the breeding industry. For all breeders, riders and owners of equestrian centres, LA BUVETTE is synonymous with reliability, innovation and animal welfare. Therefore, LA BUVETTE® possesses a modern and efficient factory at Charleville-Mézières in the north-east of France. It directly employs 55 people and is linked to a group of 190 employees. LA BUVETTE ${ }^{\text {has }}$ thousands of dealers in France and more than 50 other countries, who ensure a good geographical market coverage. With a turnover of $35 \%$ at export, our brand is becoming more international day by day.

## QUALITY

MADE IN FRANCE

## RESEARCH \& INNOVATION

Expertise, know-how and permanent innovation allow LA BUVETTE to offer the breeders a large range of watering solutions that are frost-proof or not, but also a wide selection of material such as feed troughs, carts and wheelbarrows, and even maintenance equipment.
LA BUVETTE has been a pioneer in the field of solar-powered water pumping systems since the early 2000s (p. 28) and is still at the cutting edge of technological progress with its connected BLUE INTELLIGENCE (p. 9) and BLUE LEVEL (p. 27) watering solutions.

## SERVICE INCLUDED!

La Buvette's commitments go far beyond production. Backed by a network of local distributors, La Buvette guarantees one-onone advice and top notch after-sales service. Many tools are available to the users and dealers on our labuvette.com website: specification sheets, installation instructions, tips, videos, spare parts, list of sales points...

## AT YOUR SERVICE ON FB, INSTA, ETC

Tips, practical footage on how to install or repair your watering systems, competitions... await you on our Facebook, Instagram and Horsealot pages, so please join us!

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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.



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LA BUVETTE® Shelf Space Your Contact in your Country Product Guarantee

## ADVICE FROM LA BUVETTE ${ }^{\circledR}$ : WATERING SOLUTIONS FOR HORSES

Water is vital to your horses, 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.
An adult horse can drink between 20 and 65 litres per day. This depends on several parameters:

- Ingested quantity and part of material dries of the ration,
- Weather conditions,
- Intensity of the work
- Live weight, lactation,
- Position of the drinking bowl,
- Consumption of salt

THE DRINKING BEHAVIOUR OF HORSES


- A horse in a box drinks on average between 12 and 24 times. It drinks 1.1 to 2.7 litres each time and spends on average only 7 minutes drinking in total per day.
- The drinking speed of a horse varies from 3,5 to $7 \mathrm{l} / \mathrm{min}$. Therefore, it is important to choose a waterer with a sufficient flow rate.
- Drinking occurs predominantly during the daytime: $80 \%$ of water intake happens between 8 AM and 8 PM .

CHOOSING THE RIGHT LOCATION FOR THE DRINKING BOWL IN BOX


- In the back corner opposite the feed trough:
+ Waterer fairly well protected from kicks (pay attention to small boxes!)
- Visual inspection of the waterer is less easy

- In the back with common water supply: + Only one supply line for two waterers
- Waterer across from the feed trough is less protected
- In the front:
+ Waterer very well protected from kicks
+ Easy visual inspection
- Risk of pellets getting in the waterer
- Not on completely opening front.

MINIMUM FUNCTIONAL CHARACTERISTICS OF A WATERER FOR A HORSE:

|  | WATERER WITH PUSH <br> TUBE OR PADDLE VALVE | WATERER WITH <br> CONSTANT LEVEL |
| :--- | :---: | :---: |
| Available volume | $>2,5$ litres | $>4,5$ litres |
| Flow rate (at 3 bars) | $>10 \mathrm{I} / \mathrm{min}$ | $>6 \mathrm{I} / \mathrm{min}$ |
| Access surface | $>21$ to 25 cm diameter |  |
| Depth | $>10$ to 12 cm |  |

ATTENTION: Below these thresholds, there is a risk of less consumption and deterioration of the drinking trough.

## INSTALLATION HEIGHT



Adapt the drinking height in order to:

- 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)


## CHOOSING THE RIGHT LOCATION FOR THE DRINKING TROUGH IN PASTURE

- Avoid installing the waterers directly in the shade, where the horses tend to crowd when it is hot
- Never install the waterers in a cul-de-sac or corner
- When several water points are necessary, it is recommended to place them some ten metres apart to reduce pushing and aggressive behaviour.


## GUIDELINES FOR WATERING HORSES

- Adapt the waterer to the horse: flow rate, content, size must allow optimum drinking conditions.
- Install the waterer at the right height: 55 to 90 cm for ponies and 100 to 120 cm for adult horses.
- Give preference to an antifreeze solution instead of denying your horses to drink due to water cuts (see our solutions in the FROST-FREE section p .10 ). In the winter period, the waterlines are more likely to freeze due to the combination of the cold and a lower consumption. However, shutting off the water after distribution of the evening ration deprives the horse of $30 \%$ of its consumption. This want goes against the horses' welfare, making them very thirsty the next morning.
- In the box it is recommended to install the waterer in a corner to reduce hindrance and the risk of breakage. A metal protection can be used for horses that scratch their head or stamp a lot. The protection must be installed closer than 5 cm to the waterer to avoid a foal from getting its leg stuck in between.
- Regularly check the condition of the waterer, its cleanliness and proper operation.
- For horses kept in group, provide at least two water points apart from each other to allow subordinate horses to drink undisturbedly. Also for this reason, the waterers should not be placed in a corner or cul-de-sac, but in open places allowing avoidance between dominant and subordinate horses.
- The installation of a filter at the beginning of the water line (A446 page 32) 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. 32) is mandatory when the pressure exceeds 5 bars ( 72.5 psi ). The ideal operating pressure is 3 bars ( 43.5 psi ).


# BLUE INTELLIGENCE ${ }^{\circledR}$ BY LA BUVETTE : THE SMART DRINKING SOLUTION <br> PATENT 



## Blue intelligence

## OPINION OF

Philippe ROZIER
OLYMPIC SHOW JUMPING CHAMPION.
His prestigious stables ESPACE ROZIER at Bois-le-Roi (77) have been equipped with Blue Intelligence since December 2016.
"For stables such as mine, this is a source of information about the health status of a horse. (...) Our vet appreciates that we have installed this system. (...) It will soon allow us to establish reliable comparisons with regard to their drinking behaviour during competitions."
Extract from $\qquad$ no. 322


Blue Intelligence ${ }^{\circ}$ is an innovative electronic system designed and developed by LA BUVETTE ${ }^{\circledR}$ for automatic and centralised monitoring of the water consumption of horses and triggering an alarm in real time in case of abnormal consumption.
Blue Intelligence offers safety, comfort and traceability to trainers, riders and breeders of race and sport horses.

| Identity |
| :--- |
| Collection and |
| consultation of |
| data specific to |
| each horse. |



Wheather
Real-time display of the environmental conditions (temperature and humidity) in the stable.

Warning
Alarms in case of abnormal water intake (on the tablet and on the drinking bowl).


## Parameters

Configuration of the installation and the application (password protected).

Calendar Management of the absences of horses and other events.


## RECORDING OF WATER CONSUMPTION, DETECTION OF ANOMALIES AND ALARMS

Each waterer comes with an electronic flowmeter that communicates the data in real time to the software module. The number of waterers, the date and time, the duration and water volume taken in are neatly arranged on the display of the dedicated tablet. All these data are stored in a log allowing to precisely learn the habits of each horse. The data bank can also be exported.

A horse that doesn't drink correctly doesn't eat correctly.
Blue Intelligence ${ }^{\circledR}$ analyses the data in real time. As soon as the system detects abnormal water intake by a horse, it shows an alarm at the drinking bowl (warning light) and on the tablet PC.

## YOUR CUSTOM-MADE INSTALLATION

The free estimate of your project will allow to define your requirements and determine the optimum installation in the boxes to be equipped (existing stables, new building...). The LA BUVETTE technical team accompanies every installation and together with our partners, we deliver top-quality service.

## EXAMPLE OF A BLUE INTELLIGENCE® STABLE

Blue Intelligence ${ }^{\circledR}$ Counter set + Existing compatibel drinkers In each box, a set with an electronic water counter and an alarm light is simply added on the drinker water supply.

Control Unit
One control unitis needed to connect 1 to 5 drinkers. This stable of 13 boxes is equipped with 3 control units.


NORMANDY Blue Intelligence ${ }^{\circledR}$ Drinker This drinker features a water counter and an alarm light. In option, a limitation solenoid valve and an electric frost protection can be added.

Wireless
communication
The control units are connected to 1 wireless module to communicate with the tablet PC.

Blue Intelligence ${ }^{\circledR}$ Tablet PC
The tablet PC designed for this application combines the advantages of a desktop computer with the mobility of a tablet. It allows you to monitor the entire stable at a single glance.

## Watch the video and ask for a free estimate: www.blueintelligence-labuvette.com

## DRINKING BOWLS WITH CONSTANT WATER LEVEL <br> LAC 5 <br> LAC 10

Universal cast iron drinking bowl with constant water level.
$6,5 \mathrm{I} / \mathrm{mn}$ at 3 bars
(1) Large capacity: 5 itres
(2) Stainless steel valve cover
(3) Drain plug without tool


Connection on horizontal $3 / 4$ " tube.
Can be connected on vertical $11 / 2$ " tube from bottom with accessories (see below)

Also available with double access: LAC 55. (Ref. 1628).


| REF. | DESIGNATION | PAGYAGANG |
| :--- | :--- | ---: |
| 1627 | Cast iron bowl with Polycoat. Constant water level. | Plastic bag |
| 1622 | Same as 1627 | Carton apiece |

MOUNTING OF LAC 5


## BABYLAC

Universal cast iron bowl with constant level for little snouts.
Compact size of $26 \times 25 \times 17 \mathrm{~cm}$ ( $10.2^{\prime \prime} \times 9.8^{\prime \prime} \times 6.7^{\prime \prime}$ ).
Impossible to nibble on, ideal for Shetland ponies, donkeys and even dogs.


Very sturdy cast iron bowl of 2.5 litres.

Stainless steel valve cover.
Drain system without tools. $1 / 2$ " M water supply from the right or the left.

Centres: $110 \mathrm{~mm}-\emptyset 14 \mathrm{~mm}$.

| REF. DESIGNATION | PICNAGING |  |
| :--- | :--- | :--- |
| 2015 | Cast iron bowl with Polycoat. Constant water level. | Plastic bag |

Synthetic drinking bowl with float valve.
Large Capacity: 5.5 litres. Adjustable water level. Connection $1 / 2$ " $(15 \times 21)$ from bottom.
4 oblong fixing points.

$81 / \mathrm{mn}$ at 3 bars
(1) New stainless steel valve cover.
(2) Synthetic material, strong and rigid.
(3) Drain plug without tool.


| REF. | DESIGNATION | PACNAGING |
| :--- | :--- | ---: |
| 3259 | Synthetic bowl with constant water level | 6 per carton |
| 3279 | Same as 3259 | Carton apiece |

## + ACCESSORIES



| REF. | DESIGNATION |
| :--- | :--- |
| A308 | Mounting rail to adjust drinking bowl height |
| A352 | Metal protection frame in galvanised steel for drinking bowl LAC 5 and <br> LAC 10. Wall or corner mounting. |
| A829 | Extension of 225 mm in stainless steel for LAC 5 and LAC 55 |

## LAC 50

HDPE drinking bowl with float valve and galvanised protection frame.

Large Capacity: 16 litres. Adjustable water level. 4 fixing points.
$3 / 4^{\prime \prime}$ M water supply from the right or the left.
$32 \mathrm{I} / \mathrm{mn}$ at 3 bars
Extra-large water access, perfect for draught horses.

| REF. DESIGNATION |  |
| :--- | :--- |
| 1660 | HDPE bowl with constant water level and protection frame |

## SYNTHETIC DRINKING BOWLS WITH PADDLE OR TUBE VALVE

FORSTAL
Large shock resistant synthetic bowl.
4 fixing points.
Connection $3 / 4^{\prime \prime}$ (20x27) from top or bottom.
$12 \mathrm{I} / \mathrm{mn}$ at 3 bars
(1) Same brass $3 / 4$ " valve as F11 model.
(2) Wide paddle, easy to push.

| REF. | DESIGNATION | PACKIGING |
| :--- | :--- | ---: |
| 3021 | Synthetic drinking bowl with horizontal paddle - Brass $3 / 4 "$ 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



PACKAGNG
$\begin{array}{llr}3022 & \text { Synthetic drinking bowl with vertical paddle - Brass } 3 / 4^{\prime \prime} \text { valve } & 10 \text { per carton } \\ 3024 & \text { Same as } 3022 & \text { Carton apiece }\end{array}$

3025 | Synthetic drinking bowl with vertical paddle - Brass |
| :--- |
| $3 / 4$ " valve with $T$ connection for a water circuit |$\quad 10$ per carton

3026 Same as 3025
Carton apiece


| REF. | DESIGNATION | PACKAGING |
| :--- | :--- | ---: |
| 3027 | Synthetic drinking bowl with tube - Brass $3 / 4$ " valve | 10 per carton |
| 3029 | Same as 3027 | Carton apiece |
| 3028 | Synthetic drinking bowl with tube - Brass $3 / 4$ " valve - <br> 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 .13 ) or connect your drinking bowls to a circulation system with a SPEED-FLOW pump and if needed one or more THERMOFLOWs (p. 14-15).

+ ACCESSORIES



A359


A352

| REF. | DESIGNATION |
| :--- | :--- |
| A359 | Connection set for water circuit: 2 stainless steel $3 / 4 "$ 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 - $15{ }^{\circ} \mathrm{C}\left(5^{\circ} \mathrm{F}\right)$ 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) $3 / 4$ " 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).


Watch the video on our Facebook: labuvette.cheval


## REF. designation

Geothermal probe to keep frost-free a Forstal with paddle. Connection $3 / 4$ "

## MOUNTING OF FORSTAL



## STAINLESS STEEL DRINKING BOWLS WITH TUBE



## MOUNTING OF F110 INOX



## DID YOU KNOW ?

Horses that are not used to drinkers with a push tube usually need little time to learn how to use them. The residual water at the bottom of the bowl attracts the horse. This way, the horse activates the very smooth push mechanism that softly supplies water.

## OUR ADVICE



In areas where freezing is likely, install heating wire (p.15) or connect your drinking bowls to a circulation system with a SPEEDFLOW pump and if needed one or more THERMOFLOWs (p. 16-17).

## F110 INOX

Seamless stainless steel drinker, sturdy and durable.
Bowl with rounded edge to avoid water spilling.
Stainless steel valve with high flow rate resist to the most acidic water. Connection $3 / 4$ " from the top.
4 oblong mounting holes.
$18 \mathrm{l} / \mathrm{mn}$ at 3 bars


1. Smooth push tube valve, easy to activate

2 Large bowl inclined slightly forward for more comfort.

## REF. DESIGNATION

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

+ ACCESSORIES


| REF. | DESIGNATION |
| :--- | :--- |
| A315 | Set of 2 galvanised steel brackets for mounting on tubes up to $\emptyset 50 \mathrm{~mm}\left(2^{\prime \prime}\right)$ |
| A316 | Set of 2 galvanised steel brackets for mounting on tubes $\emptyset 50$ to 75 mm (2" to $\left.3^{\prime \prime}\right)$ |
| A361 | Corner plate for drinking bowl |
| A367 | Connection set for water circuit: 2 stainless steel tubes $3 / 4^{\prime \prime}$ male |

## STAINLESS STEEL DRINKING BOWLS WITH TUBE

## F130 INOX

Seamless stainless steel drinker, sturdy and durable. Stainless steel $3 / 4$ " valve with multiple connection points, adjustable flow rate and smooth push tube. Stainless steel mouting plate with 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

## + ACCESSORIES



A315/A316


A361


A367

| REF. | DESIGNATION |
| :--- | :--- |
| A315 | Set of 2 galvanised steel brackets for mounting on tubes up to $\emptyset 50 \mathrm{~mm}\left(2^{\prime \prime}\right)$ |
| A316 | Set of 2 galvanised steel brackets for mounting on tubes $\emptyset 50$ to $75 \mathrm{~mm}\left(2^{\prime \prime}\right.$ to 3 ") |
| A361 | Corner plate for drinking bowl |
| 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 16-17).


# CAST IRON DRINKING BOWLS WITH PADDLE OR TUBE 

## F11

Cast iron bowl with brass $3 / 4$ " valve. Reliability tried and tested for over 20 years.
4 fixing points.
Connection $3 / 4$ " (20x27) female elbow fitting.

$12 \mathrm{l} / \mathrm{mn}$ at 3 bars
(1) Synthetic vertical paddle.
(2) Also available with $T$ fitting.


| REF. | designation | PACMAGNE |
| :---: | :---: | :---: |
| 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 $T$-fititing | Plastic bag |
| 3009 | Same as 3008 | Carton apiece |



## F30

Cast iron drinking bowl, deep and wide.
An effort of $600 \mathrm{~g}(1,32 \mathrm{lbs}$ ) at $3 \mathrm{bar}(42 \mathrm{psi})$ on the tube valve is enough to activate the valve.
King-sized bowl: L. $319 \times$ W. $260 \times$ H. 178 mm.


| REF. | DESIGNATION | PACKAGING |
| :--- | :--- | ---: |
| 3051 | Cast iron with Polycoat - Brass $3 / 4 "$ valve with $T$ f fitting | Plastic bag |
| 3053 | Same as 3051 | Carton apiece |
| 3296 | Cast iron with Polycoat - Stainless steel $3 / 4^{\prime \prime}$ valve with $T$ | Plastic bag |



## * ACCESSORIES



| REF. | DESIGNATION |
| :---: | :---: |
| A315 | Set of 2 galvanised steel brackets for mounting on tubes up to $\emptyset 50 \mathrm{~mm}$ (2") |
| A316 | Set of 2 galvanised steel brackets for mounting on tubes $\emptyset 50$ to 75 mm ( $2^{\prime \prime}$ to 3 ") |
| A331 | Mounting bracket for waterers on pole $\emptyset 102 \mathrm{~mm}$ (4") and «Trèfle» |
| A336 | Mounting bracket on H -shaped post (without drilling ; 100-200 mm wide) |
| A337 | Mounting bracket for waterers on pole $\emptyset 140 \mathrm{~mm}(5 \geqslant 1 / 2)$ and «Trèfle» |
| A352 | Metal protection frame in galvanised steel for drinking bowl F30, F30A |
| A359 | Connection set for water circuit with rotary union for F 11 with T -fitting |
| A367 | Connection set for water circuit: 2 stainless steel tubes $3 / 4$ " male |
| A373 | : 2 st.st. tubes 3/4" M |

## ELECTRIC FROST-FREE DRINKING BOWL

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

Stainless steel drinking bowl with outer shell in enamelled cast iron and pre-installed $\mathbf{3 0}$ or $\mathbf{8 0} \mathbf{W} / \mathbf{2 4 V}$ heating element for frost protection.
Sturdy, deep, non-spill and compact.
Connection $1 / 2$ " (15x21) female from top / bottom.
4 fixing points $\emptyset 14 \mathrm{~mm}$.


| REF. | DESIGNATION |
| :--- | :--- |
| 3246 | Drinking bowl with heating element $30 \mathrm{~W}-24 \mathrm{~V}$ |
| 3247 | Drinking bowl with heating element $80 \mathrm{~W}-24 \mathrm{~V}$ for the northern countries |
| A532 |  |
| REF. | DESIGNATION |
| A532 | Remote thermostat for frost-free electric waterers: for automatic on/off switching <br> 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 $24 \mathrm{~V} / 22 \mathrm{~W}$ - Length: 3 m , to protect water supply |

+ TRANSFORMERS

Transformers (230/24 V)

shelltype. European norm EN 60.742.

| REF. | DESICNATION |
| :--- | :--- |
| A505 | Transformer 50 VA for 1 waterer 50 W |
| A504 | Transformer 100 VA for 2 waterers 50 W or 1 waterer $\leq 100 \mathrm{~W}$ |
| A503 | Transformer 200 VA for 4 waterers 50 W or 2 of 100 W or 1 waterer $\leq 100 \mathrm{~W}$ |
| A501 | Transformer 300 VA for 6 waterers 50 W or 3 of 100 W or 1 waterer $\leq 300 \mathrm{~W}$ |
| A502 | Transformer 400 VA for 8 waterers 50 W or 4 of 100 W or 1 waterer $\leq 400 \mathrm{~W}$ |




## + ACCESSORIES

## 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).


A358
Metal protection to protect water supply lines. Fit for tubes with insulating foam jacket.


## MOUNTING OF NORMANDY



## 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 | PAOKAGING |
| :--- | :--- | ---: |
| 1716 | NORMANDY with push tube valve | Carton apiece |
| 1717 | NORMANDY with float valve - Not compatible with Blue Intelligence | Carton apiece |

## + 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 $-\mathbf{2 0 ^ { \circ }} \mathbf{C}\left(-4^{\circ} \mathrm{F}\right)$.


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

# STAINLESS STEEL AND POLYETHYLENE PADDOCK WATERING SOLUTIONS <br> PATENT FR2994794, FR2995177 ET EP2534944 

## MICHIGAN DUO

Double waterer with stainless steel trough and HD polyethylene base.
The concept of STAINLESS STEEL + PE optimizes the resistance to the cold (different sets to keep your drinkers frost-free, see FROST PROTECTION)
Ideal on paddocks and in "active stables".

(1) Stainless steel trough of 52 litres linking sturdiness and food safety. With slanted bottom for easier cleaning.
(2) "Dry hands" quick draining system: The PE cover allows access without having to wet your hands. The $\emptyset 100 \mathrm{~mm}$ plug is not affected by frost.The valve is protected against the horses by an insulating double-walled HDPolyethylen cover also serving as a first protection from frost.
(4) 72 I ./mn. valve (measured flow rate at 3 bars) with water shut off pin. Adjustable water level without tool. $3 / 4$ " swivel fitting with 2 entries: can be connected to a SPEED-FLOW circulation pump (p.20) without extra accessories.
(5) 5 fixing points on concrete base with a minimum height of 20 cm .

| REF. DESIGNATION |
| :--- | :--- |
| 2430 Drinking trough MICHIGAN DUO $-52 \mathrm{~L}-72 \mathrm{I} / \mathrm{min}(3$ bars $)$ |

## BAÏKAL 230

2,30 m long waterer with stainless steel trough and HD polyethylene base for group of horses.



## + FROST PROTECTION

- Anti-freeze power set for the trough: 1 heating element $24 \mathrm{~V} / 175 \mathrm{~W}$ glued under the trough. Set recommended for regions with risk of high frost.

- Anti-freeze power set for the valve: $24 \mathrm{~V}-20 \mathrm{~W}$ 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 $24 \mathrm{~V}-22 \mathrm{~W}$ heating wire to protect up to $1,50 \mathrm{~m}$ of pipe (loop connection).


PATENT EP3479689
VIDEO TUTORIAL
on facebook /labuvette.cheval

## LAKCHO 2 2av50Wor 8ow

Frost-free HDPE drinker with float valve. 5,5 litres capacity. Bowl $\emptyset 390 \mathrm{~mm}$. Access to water: $320 \times 200 \mathrm{~mm}$.


Electric frost protection system, efficient down to $-20^{\circ} \mathrm{C}\left(-4^{\circ} \mathrm{F}\right)$. $1 / 2$ " female fitting complete with 1 m stainless steel braided hose. Transformer $230 / 24 \mathrm{~V}$ required, delivered separately.

| REF. | DESIGNATION |
| :--- | :--- |
| 1640 | Bowl with constant water level and heating element $24 \mathrm{~V}-50 \mathrm{~W}$ |
| 1840 | Same as 1640 with heating element $24 \mathrm{~V}-80 \mathrm{~W}$ (northern countries) |
| 1730 | Same as 1640 without heating element |

## LAKCHO 2 HEATED WATER 24V/180W

Large polyethylene 180 W heating bowl selfregulated to supply heated water $\left(15^{\circ} \mathrm{C}\right)$.
Same specifications as LAKCHO 2.
$10 \mathrm{l} / \mathrm{mn}$ at 3 bars
Internal thermostat included.
Transformer $230 / 24 \mathrm{~V}$ required, delivered separately.

## ref. desination

Bowl with constant water level and heating element 24 V - 180 W with internal thermostat (to supply lukewarm water)

## BIGCHO 2 24V50W or 80W

Frost-free non-spill drinker with float valve.
5,5 litres bowl $\varnothing 390 \mathrm{~mm}$. Access: $275 \times 200 \mathrm{~mm}$. Not recommended for shod horses.

## $81 / \mathrm{mn}$. at 3 bars

Transformer 230/24 V required, delivered separately (p.10).


## 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 $24 \mathrm{~V}-80 \mathrm{~W}$ (northern countries)
1712 Same as 1639 without heating element

## OUR ADVICE

Use an electric cable with a suitable diameter for the installation's output. Consult the chart on mounting instructions.
The installation of a fuse on the primary ( 230 V ) and the auxiliary power line of the transformer ( $\mathbf{2 4} \mathrm{V}$ ) is mandatory.

## STALCHO 2 24V50W or 80W

Same as LAKCHO 2 , with paddle valve.

(1) Seamless HDPE design
(2) Simplified mounting system
(3) Stainless steel edge and paddle, drain plug without tools, operation indicator light

Transformer $230 / 24 \mathrm{~V}$ required, delivered separately.


| REF. | DESIGNATION |
| :--- | :--- |
| 1641 | Bowl with stainless steel paddle and heating element $24 \mathrm{~V}-50 \mathrm{~W}$ |
| 1841 | Same as 1641 with heating element $24 \mathrm{~V}-80 \mathrm{~W}$ (northern countries) |
| 1731 | Same as 1641 without heating element |

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

Frost-free non-spill drinker with stainless steel paddle.
Same specifications as BIGCHO 2 with stainless steel paddle.
Access to water: 215 mm .
Transformer 230/24 V required, delivered separately (p.10).

| REF. | DESIGNATION |
| :--- | :--- |
| 1643 | Stainless steel non-spill bowl, st. steel paddle, heating element 24 V - 50 W |
| 1843 | Same as 1643 with heating element $24 \mathrm{~V}-80 \mathrm{~W}$ (northern countries) |
| 1713 | Same as 1643 without heating element |

## +HDPE-STAND

Foam-insulated PE Stand. Sturdy and easily installed.
Suitable for BIGCHO 2, BIGSTAL 2, LAKCHO 2, STALCHO 2 drinkers.


The double polyethylene wall is filled with insulating polyurethane foam to ensure perfect thermal insulation.
Our stands feature an opening for drain hoses (drain plug included).

| REF. | DESIGNATION |
| :--- | :--- |
| A573 | Height 740 mm to be fixed to the floor ; Especially designed for horses. |
| A572 | Height 600 mm to be fixed to the floor ; For big ponies and small horses |
| A570 | Height 400 mm to be fixed to the floor ; Designed for ponies and foals |

## HEATING CABLES TO PROTECT WATER PIPES

## HEATING CABLE READY TO PLUG 230V

230 V ready to connect heating cable with built-in thermostat activated at $6^{\circ} \mathrm{C}$. Ideal to protect surface lines in existing installations (9 lengths from 2 to 48 m ; Cannot be cut).


## 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.


REF. DESIGNATION
C175 Aluminium tape on 50 metres ( 54 yd ) roll

| C180 | Warning labels for wire sold per metre, obligatory (1 every 5 metres ( $16^{\prime}$ )) |
| :--- | :--- |
| A358 | Water pipe protection in galvanised steel - useful dim. L. $750 \times$ W. $60 \times$ 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 $24 \mathrm{~V} / 22 \mathrm{~W}$ with a length of 3 m , especially designed for drinking bowl water supply. Aluminium tape included. Transformer 230/24 V required, delivered separately (p.10).
REF. DESIGNATION
C162 Heating cable $24 \mathrm{~V} / 22 \mathrm{~W}$ - Length: 3 m , to protect water supply


## FROST-FREE CIRCULATION PUMP

SPEED-FLOW
Powerful pump ( $\mathbf{2 3 0} \mathbf{V} / 550$ W) that keeps a drinking bowl circuit frostfree by circulating the water at high speed.
Designed for a circuit of waterers up to $\mathbf{1 2 5} \mathrm{m}$ to and 125 m back with underground lines.
Simple and secure use.
A visual and audible alarm can be added and the operation of the
SPEED-FLOW can be made fully automatic (cfr. Accessories).


| REF. | DESIGNATION | PACMAGING |
| :--- | :--- | :--- |
| 1669 | Frost-free powerful pump with high flow rate $-230 \mathrm{~V} / 550 \mathrm{~W}$ | Carton apiece |

## OUR ADVICE

To ensure optimum efficiency without wasting energy, you have to use $\emptyset 25 \mathrm{~mm}$ PE pipes ( $3 / 4^{\prime \prime}$ ) 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 15) to protect the water supply against frost.

## + ACCESSORIES

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

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


Différential circuit breaker $30 \mathrm{~mA} / 230 \mathrm{~V}$

A520


| REF. | DESIGNATION |
| :--- | :--- |
| A556 | Additional $230 \mathrm{~V} / 550 \mathrm{~W}$ pump, Connection $3 / 4^{\prime \prime}(20 \times 27)$, <br> 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 $-6 \mathrm{~m}^{3} / \mathrm{h}$ - mandatory |
| A552 | Additional automatic bleed valve to be installed at each high point of the <br> installation |
| A520 | Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet |



## THERMOFLOW

Additional programmable 1500 W heater pfor SPEED-FLOW or another circulation system.
Automatic on/off function depending on the programmed water temperature for consumption management.
1500 W heating element. Stainless steel and aluminium: no rust, no scale deposit.Temperature measurement of the circuit water.Easy setting of start temperature. Operation indicator light.$1 " 1 / 2$ male and female fittings with swivel nuts.
5 HDPE cover.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 | Carton apiece |
|  | 230 V singlephase - Connection 1"1/2 |  |
|  | Mandatory 30 mA differential breaker, separately <br> available (see below) |  |
|  |  |  |

## 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


A358


A359


A367-A365


A373


A520
A551

REF. Designation
A358 Water pipe protection in galvanised steel Useful dim. L. $750 \times$ W. $60 \times$ D. 75 mm

Connection set for water circuit (FORSTAL, p.7): 2 stainless steel $3 / 4$ " tubes + rotary union
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 $1 / 2^{\prime \prime}$ connection
A373 Connection set for water circuit - for small spaces: 2 stainless steel tubes $3 / /^{\prime \prime}$ M
Differential circuit breaker, 30 mA for 230 V single-phase with watertight cabinet
Safety valve of 7 bars - recommended for any circuit with heating system


## FROST-FREE WATERERS WITHOUT ELECTRICITY

PATENT FR2834613; US6732674; CA1385911
 young horses) on 200 ha near Nantes (France)).

We installed 8 Thermolac 75 GV drinkers in the stables for the mares in foal and 25 Thermolac 40 GV drinkers outside in the paddocks and pastures and are very pleased with them. Initially, we only bought them to protect the water against winter frost.
After all, we realised that they had two more advantages: the water stays cool in hot summer weather as well, and stays very clean all year long. Both adult horses and foals get used to them very quickly.

## THERMOLAC ${ }^{\text {TM }}{ }_{406 \mathrm{GV} \text { \& } 75 \mathrm{GV}}$

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 $3-5^{\circ} \mathrm{C}$ in winter and $10-12^{\circ} \mathrm{C}$ in summer.
Single version (40) for 15 horses or double (75) for 30 horses.

? $341 / \mathrm{mn}$ at 3 bars

(1) Frost free down to $-30^{\circ} \mathrm{C}$ thank to high-quality insulation material. Fresh water during summer.
(2) Balls of THERMOLAC ${ }^{\text {TM }}$ are also filled with insulating polyurethane foam. They are very easy to push by horses or by ponies.
Water is protected against mosquitos and wild animals.$34 \mathrm{I} . / \mathrm{min}$ (at 3 bars) float valve. djustable water level without tool.Pre-installed $1 / 2$ " stainless steel braided hose, insulating jacket and ground insulation supplied with the drinker (bottom view).
(5) Their large insulated drain plugs - $\emptyset 100 \mathrm{~mm}(4$ ") allow cleaning without the need to remove the cover.Quickly and complete opening patented system.

Also available:
THERMOLACTM $180: 4$ balls for big herd (up to 60 horses).


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

## OUR ADVICE

To teach your horses how to drink, lower the float to its bottom position. Lowering the water level will stimulate your horses to push the ball. Let your horses get used to it for a couple of days and then raise the level.
Pushing the ball will quickly become a real game for your horses.


## FROST-FREE WATERERS WITHOUT ELECTRICITY

PATENT FR2834613; US6732674; CA1385911

## THERMOLAC ${ }^{T M}{ }_{4088} 458$



+ ACCESSORIES

| REF. | DESIGNATION |
| :--- | :--- |
| A613 Float valve for low pressure (blue) for water supply by gravity ( $<1$ bar ( 14.5 psi )) |  |
| A456 | Extra insulating jacket of $1 \mathrm{~m}(39,4$ "). |



## OUR ADVICE

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



- By keeping the water cool in summer, it is less likely to be infected by micro-organisms.
- The water is kept clean: no leaves, no algal growth, no bird droppings, no contact with wild animals (1 or 2-ball models).
- Even during harsh winters, water remains available without any intervention from your side. Note that the B versions with dish(es) might get blocked by snow.


## More than 100000 sold THERMOLAC ${ }^{\text {TM }}$ units and more than 30 years of experience !

To safeguard the horse's drinking ease and comfort, the THERMOLAC ${ }^{\text {TM }}$ has to be installed on a concrete base with a height from 20 to 35 cm .

# OUTDOOR WATERING SYSTEM: CLEAN WATER IN ALL SEASONS 




## AUTOMATIC FILLING:

THERMOLAC DRINKING TROUGHS


The THERMOLAC drinking troughs that have already been very popular for more than 30 years need a water connection. They operate under standard pressure ( 2 to 4 bars) or low pressure ( $<1$ bar) and their thick walls filled with highly insulating foam protect the water from freezing in winter and keep the water cool in summer.
The cover and balls, which are also insulating, protect the water from the heat, frost, sun, algae growth, leaves, wild animals, mosquitoes...

## MANUAL FILLING: <br> ISOBAR 250



Our ISOBAR 250 innovation patented in 2020 is the ideal solution for places without water supply system. Just like the THERMOLAC watering troughs, the ISOBAR 250's thick walls filled with highly insulating foam protect the water from freezing in winter and keep the water cool in summer.
The insulating floating cover and its also insulating mobile disk protect the water from the heat, frost, sun, algae growth, leaves, wild animals, mosquitoes...

# ISOTHERMAL TROUGH TO FILL, FROST FREE WITHOUT ELECTRICITY 

ISOBAR 250


Isothermal anti-freeze trough without electricity, ideal for watering 1 to 3 horses in places without water supply system.
The ISOBAR 250 is filled manually.
The floating cover protects the water whatever the remaining level.
Frost-free down to $-15^{\circ} \mathrm{C}\left(5^{\circ} \mathrm{F}\right)$ without electricity.
Made of UV-resistant, food-safe quality HDPE. Contrary to concrete for example, this material is neutral, no chemical compounds end up in the water.Double walls filled with highly insulating polyurethane foam. Prevents the water from freezing down to $-15^{\circ} \mathrm{C}$ in winter and keeps the water cool in summer.The horse easily pushes against the disk in the middle of the floating cover in order to drink, after which it automatically returns into place.
The water is protected from the sun (algae), wild animals, autumn leaves. $\emptyset 100 \mathrm{~mm}$ large drain with insulating plug.Safety bracket to prevent the horses from lifting the cover.

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

Compact and easy to transport. To be installed on hard and level ground. Can be fastened to the floor.
$180 \mathrm{~L}(47 \mathrm{USG})^{*}=$ Water reserve for 1 week for one horse (in winter).
*MAXIMUM CAPACITY with cover: 191 litres (50 USG)
(270 litres (71 USG) without cover).
Dimensions: $\emptyset 100,5 \times \mathrm{h} .65 \mathrm{~cm}$ ( $\left(39.4\right.$ " x h. $25.6^{\prime \prime}$ )

```
REF. designation
```

1751 Isothermal trough with floating cover ISOBAR 250


PRINCIPLE PLAN
ISOBAR 250


ISOBAR 250 IN VIDEO:
Watch it on www.labuvette.com


## ISOTHERMAL DRINKERS



PRINCIPLE PLAN:
THERMOLAC

## Quickly opening cover (patented system).

High flow-rate float-valve with stop.


THERMOLAC GV IN VIDEO :
Watch it on www.labuvette.com


## 

Isothermal anti-freeze troughs without electricity, ideal for watering horses in places with water supply system.
The THERMOLAC drinking troughs require a water supply line under pressure ( 2 to 5 bars). A low-pressure valve ( $<1$ bar) is available as an option. A float maintains a constant water level. The water level is adjustable. Version with one access (40) for maximum 15 horses our with double access (75) for maximum 30 horses.

(5) $341 / \mathrm{mn}$ at 3 bars

(1) The quality of the THERMOLAC's thermal insulation keeps the water cool (10$12^{\circ} \mathrm{C}$ ) in summer and frost free down to $-30^{\circ} \mathrm{C}$ in winter. (The performance differs depending on the drinking frequency.)
2 The insulating balls of the THERMOLAC ${ }^{T M}$ protect the water access. They are light to push for horses and ponies and return into place automatically. Water is protected against mosquitos and wild animals.$34 \mathrm{I} . / \mathrm{min}$ (at 3 bars) float valve. djustable water level without tool.Pre-installed $1 / 2$ " stainless steel braided hose, insulating jacket and ground insulation supplied with the drinker (bottom view).
(5) Their large insulated drain plugs - $\emptyset 100 \mathrm{~mm}$ (4") allow cleaning without the need to remove the cover.

6 Quickly and complete opening patented system.
You can find all our teaching and mounting tips for the THERMOLAC drinking troughs on page 19.

## ref. designation

1671 Isothermal 75 L waterer with 2 balls, float valve for standard pressure
1672 Isothermal 40 L waterer with 1 ball, float valve for standard pressure

## + ACCESSORIES



## REF. DESIGNATION

A613 Float valve for low pressure (blue) for water supply by gravity (<1 bar (14.5 psi))
A456 Extra insulating jacket of $1 \mathrm{~m}\left(39,4^{\prime \prime}\right)$.

# VERY STURDY RECTANGULAR POLYCHOCTM POLYETHYLENE TROUGHS 

## PREBAC R

The PREBAC troughs are non-deforming, sturdy, practical as well as light thanks to the special material of which they are made: POLYCHOC ${ }^{\text {TM }}$ polyethylene. This pure high-density polyethylene is food-safe, UV-resistant and recyclable.
Valve sold separately (Ref. A603 or A617).
Compartment provided for optional valve (A603 or A617) with side protection of water supply line.
(2) Large rectangular quick discharge "VIDE-VITE".Multiple anchor points.
(4) 200 I. R model, special for ponies: height 44 cm

## REF. DESIGNATION

2237 Polychoc BS 190 LR trough - L. $90 \times$ W. $64 \times$ H. $66 \mathrm{~cm}-\mathrm{L} .35 .4^{\prime \prime} \times$ W. $25.2^{\prime \prime} \times \mathrm{H} .26^{\prime \prime}$
2231 Polychoc BS 200 I. R trough - L. $160 \times$ W. $46 \times$ H. 44 cm - L. 63 " $\times$ W. 18.1" $\times$ H. 17.3"
2235 Polychoc BS 400 I. R trough - L. $165 \times$ W. $66 \times$ H. $66 \mathrm{~cm}-\mathrm{L} .65$ " $\times$ W. 26 " $\times$ H. 26 "

+ ACCESSORIES



A603


A617

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 $32 \mathrm{l} / \mathrm{mn}$ (at 3 bars) float valve for PREBAC. (max. pressure: 6 bars) - $3 / 4$ " male brass 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


## PREBAC 70L

Double drinker with constant water level of 70 litres, made of HDPE Polychoc ${ }^{\text {TM }}$ for watering horses both outdoors and indoors.
10 years guarantee against all manufacturing defects.


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 mouting or on concrete base.

## REF. DESIGNATION

2219 Polychoc 70 I. trough - L. $106 \times$ W. $37 \times$ H. 31 cm -
Float-valve included - Connection $3 / 4$ " (20x27)
2217 Same as 2219 but for low pressure (<1bar-14.5psi)(blue) for supply by gravity

## 10 YEARS GUARANTEE

The guarantee takes effect for all PREBAC invoiced from 1 of september 2017.

- The PREBAC 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 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 picture below).
Should your claim be accepted, your dealer will give you a voucher for its original cost minus depreciation (-10\% per year).


## OUR ADVICE

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

## PREBAC 400>1500L

Circular troughs in Polychoc ${ }^{\text {™ }}$ HDPE to water herds of horses on pasture (Not suitable for indoor use).

Renowned quality for more than $\mathbf{2 5}$ years. 10 years guarantee against all manufacturing defects.


Valve sold separately (Ref. A603 or A617).


## ReF. designation

2221 Polychoc BS 400 L trough - $\emptyset 108 \times H .60 \mathrm{~cm}$ ( $\emptyset 42.5^{\prime \prime} \times$ H. $23.6^{\prime \prime}$ )
2223 Polychoc BS 600 L trough $-\emptyset 130 \times \mathrm{H} .60 \mathrm{~cm}$ ( $\left.\varnothing 51.2^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$
2225 Polychoc BS 800 L trough - $\emptyset 150 \times H .60 \mathrm{~cm}$ ( $\varnothing 59.1$ " $\times$ H. 23.6 ")
2227 Polychoc BS 1000 L trough $-\emptyset 160 \times \mathrm{H} .60 \mathrm{~cm}\left(\emptyset 63^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$
2261 Polychoc BS 1200 L trough $-\emptyset 180 \times H .60 \mathrm{~cm}\left(\varnothing 70.9^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$
2263 Polychoc BS 1500 L trough - $\emptyset 200 \times \mathrm{H} .60 \mathrm{~cm}$ ( $\left.\emptyset 78.7^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$

## USER'S OPINION

## The best drinking troughs I know!

PAUL GOLDSTEYN, FROM LEWITZ STUD FARM* (GERMANY)
*Paul Goldsteyn, Manager of Lewitz stud farm (Paul Schockemöhle) (Germany) ( 3500 horses, 500 foals/year).

During the summer season, our horses have 3000 hectares of pasture to range. We use a little over one hundred PREBAC 600 and 800 litre models. Their solidity and durability is beyond reproach. These are the best drinking troughs I know! Their quality is uncontested. As a matter of fact, we are planning to buy 50 to 70 additional PREBAC troughs this year.

## OVAL PREBAC

Oval troughs of 950, 550 and 400 litres, easily loaded and transported on board of a vehicle. Made of pure POLYCHOC ${ }^{\text {TM }}$ polyethylene.
Valve sold separately (Ref. A603 or A617).

(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 I. trough -L. $147 \times$ I. $105 \times$ H. 40 cm (L. $57.9^{\prime \prime} \times$ W. $41.3^{\prime \prime} \times$ H. $\left.15.7^{\prime \prime}\right)$ |
| 2275 | Polychoc 550 I. trough - L. $147 \times$ I. $105 \times$ H. 60 cm (L. $57.9^{\prime \prime} \times$ W. $41.3^{\prime \prime} \times$ H. $\left.23.6^{\prime \prime}\right)$ |
| 2278 | Polychoc 950 I. trough - L. $203 \times$ I. $115 \times$ H. 60 cm (L. $79.9^{\prime \prime} \times$ W. $45.3^{\prime \prime} \times$ H. $\left.23.6^{\prime \prime}\right)$ |

## + ACCESSORIES




A603

| REF. | DESICNATION |
| :--- | :--- |
| A603 | 32 I/mn (at 3 bars) float valve for PREBAC. <br> (max. pressure: 6 bars) $-3 / 4 "$ male brass fitting included. |
| A617 | Same as A603, but low pressure ( < 1 bar-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 |

## OVAL AND CIRCULAR TROUGHS MADE OF POLYETHYLENE

## OVAL INTERBAC

Oval troughs in HDPE to water herds of horses on pasture. (Not suitable for indoor use). Easily loaded and transported on board of a vehicle.
Place provided for an optional constant level valve (A623).Threaded $\emptyset 50 \mathrm{~mm}$ drain plug with storage position.
(3) Special design for better stability.

| REF. | DESIGNATION | PACKACING |
| :---: | :---: | :---: |
| 2695 | INTERBAC OVAL 600 L-L. $170 \times \mathrm{l} .104 \times \mathrm{h} .63 \mathrm{~cm}\left(67{ }^{\prime \prime} \times 41\right.$ " 25 ") | Pile of 5 |
| 2696 | INTERBAC OVAL 900 L - L. $209 \times 1.114 \times \mathrm{h} .63 \mathrm{~cm}\left(82^{\prime \prime} \times 45{ }^{\prime \prime} \times 25\right.$ ) | Pile of 5 |

## + ACCESSORIES



## REF. DESIGNATION

A623 Float set for INTERBAC. Delivered with stainless steel cover. $3 / 4$ " 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).



## INTERBAC 600>1500L

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

(1) Place provided for an optional constant level valve (A623).
(2) Threaded $\emptyset 50 \mathrm{~mm}$ drain plug with storage position.

| REF. | DESIGNATION | PACKAGING |
| :--- | :--- | :--- |
| $\mathbf{2 6 9 7}$ | INTERBAC $600 \mathrm{~L}-\emptyset 140 \times \mathrm{H} .60 \mathrm{~cm}\left(\emptyset 55.1^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$ | Stack of 5 |
| 2698 | INTERBAC $1000 \mathrm{~L}-\emptyset 170 \times \mathrm{H} .60 \mathrm{~cm}\left(\emptyset 66.9^{\prime \prime} \times \mathrm{H} .23 .6^{\prime \prime}\right)$ | Stack of 5 |
| $\mathbf{2 6 9 9}$ | INTERBAC $1500 \mathrm{~L}-\emptyset 210 \times \mathrm{H} .60 \mathrm{~cm}\left(\emptyset 82.7 " \times \mathrm{H} .23 .6^{\prime \prime}\right)$ | Stack of 5 |

## DID YOU KNOW?

## CIRCULAR TROUGHS MADE OF GALVANISED STEEL POLYETHYLENE AND FLOAT VALVES



## FLOATS LACABAC

Float-valve unit in stainless $\mathbf{1 0} / \mathbf{1 0}$ 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.


Low pressure model (<1bar):

$72 /$ mnat 3 bars

| REF. | DESIGNATION | PACKAEING |
| :---: | :---: | :---: |
| A601 | $26 \mathrm{I} . / \mathrm{mn}$ Model at 3 bars ( $7 \mathrm{USG} / \mathrm{mn}$ at 40 psi ) <br> Long stainless steel brackets (green box) - Connection $1 / 2$ ". | Carton apiece |
| A610 | Same as A601 with 60 cm long ( 23.6 ") stainless braided hose $1 / 2{ }^{\prime \prime}$ |  |
| A605 | Same as A601. Short mounting brackets (yellow box) | Carton apiece |
| A608 | Same as A601. LOW PRESSURE (<1 bar/ 14.5 psi) (4 USG/mn at 3 psi). (red box) | Carton apiece |
| A672 | Very high flow rate: $72 \mathrm{l} / \mathrm{mn}$ at 3 bars ( $19 \mathrm{USG} / \mathrm{mn}$ at 40 psi ) Short mounting brackets. Connection $3 / 4$ ". | Carton apiece |

## 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: $\mathbf{7 2}$ and $\mathbf{1 0 0}$ litres/minute from $\mathbf{3}$ bars.
(19 and 26.4 USG/mn from 43.5 psi). Adjustable water level without tool.


| A628 | VGD 72 I./mn valve (grey jet). $3 / 4 "(20 \times 27)$ male | Blister |
| :--- | :--- | :--- |
| A629 | VGD $100 \mathrm{I} . / \mathrm{mn}$ valve (green jet). $3 / 4$ " (20×27) male | Blister |

## GALVANISED TROUGHS <br> PATENT

Conical troughs made of hot-dip galvanised steel for horses in pasture. (Not suitable for indoor use).
The troughs can easily be stacked for transportation. Sold per stack of 10.

(1) Edge made of welded tube: strong and secure.
(2) Brass bulkhead drain with larger flange for increased tightness.
(3) Stackable.

| REF. | DESIGNATION | PAOKAGING |
| :--- | :--- | ---: |
| G101 | 380 LGALVANISED TROUGH $-\emptyset 113 \times \mathrm{H} .39 \mathrm{~cm}$ | Stack of 10 |
| G103 | 600 L GALVANISED TROUGH $-\emptyset 138 \times \mathrm{H} .53 \mathrm{~cm}$ | Stack of 10 |
| G105 | 1000 L GALVANISED TROUGH $-\emptyset 162 \times \mathrm{H} .62 \mathrm{~cm}$ | Stack of 10 |
| G106 | 1350 L GALVANISED TROUGH $-\emptyset 174 \times \mathrm{H} .64 \mathrm{~cm}$ | Stack of 10 |

## ECO TROUGHS 400>1500L

Partially recycled, round troughs for horses outdoors. (Not suitable for indoor use).
Sold in a Stack of 10 .


| REF. | DESIGNATION | PACKAGING |
| :--- | :--- | ---: |
| E101 | ECO TROUGH $400 \mathrm{~L}-\emptyset 130 \times \mathrm{H} .40 \mathrm{~cm}$ (for ponies) | Stack of 10 |
| E102 | ECO TROUGH $600 \mathrm{~L}-\emptyset 140 \times \mathrm{H} .60 \mathrm{~cm}$ | Stack of 10 |
| E103 | ECO TROUGH $1000 \mathrm{~L}-\emptyset 170 \times \mathrm{H} .60 \mathrm{~cm}$ | Stack of 10 |
| E104 | ECO TROUGH $1500 \mathrm{~L}-\emptyset 210 \times \mathrm{H} .60 \mathrm{~cm}$ | Stack of 10 |

## PASTURE WATERER, TANKS AND CONNECTED LEVEL GAUGE

## WATER TANKS

Tanks made of one-piece 100\% pure polyethylene appropriate for food and treated against ultraviolet light.
From 140 to 4000 litres of capacity.
For water storage (density 1).
(c)
(1) Screw cap with external thread, $\emptyset 400 \mathrm{~mm}(15 " 3 / 4)(\emptyset 130 \mathrm{~mm}(5 " 1 / 8)$ on 140 I , 270 I and 450 I ), for easy cleFoaning and removing impurities.
(2) Filler cap $\emptyset 130 \mathrm{~mm}\left(5^{\prime \prime} 1 / 8\right)$ on tanks of $1800 \mathrm{I}, 2900 \mathrm{I}, 4000 \mathrm{I}$ and 5600 I .
(3) PVC quarter turn valve at the bottom: DN $20 \mathrm{~mm}\left(3 / 4^{\prime \prime}\right)$ for $140 \mathrm{I}, 270$ I and 450 I . DN $40 \mathrm{~mm}\left(1^{\prime \prime} 1 / 2\right)$ for 650 I and 1200 I . DN $50 \mathrm{~mm}\left(2^{\prime \prime}\right)$ for $1800 \mathrm{I}, 2900 \mathrm{I}, 4000 \mathrm{I}$, 5600 I. $3 / 4$ " 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 on the left. (except for 450, 270 and 140 I. models).

| REF. | DESIGNATION | WEIGHT | L (mm) | W (mm) | H (mm) |
| :--- | :--- | :--- | :---: | :---: | :---: |
| B220 | Tank 140I | 11 | 800 | 520 | 630 |
| B227 | Tank 270। | 15 | 1000 | 610 | 800 |
| B221 | Tank 450I | 23 | 1100 | 650 | 800 |
| B222 | Tank 650I | 34 | 1520 | 760 | 840 |
| B223 | Tank 1200I | 57 | 1700 | 900 | 1050 |
| B224 | Tank 1800। | 80 | 2200 | 1170 | 1250 |
| B225 | Tank 2900। | 130 | 2550 | 1300 | 1350 |
| B228 | Tank 4000I | 190 | 2400 | 1680 | 1665 |

## BIGLAC 55T

Double deep drinking trough for water tank, in/H.D.P.E. with constant water level. Low pressure float-valve (works from 0 to 1 bar (14 psi)). Suitable for $\mathbf{2 0}$ horses. Capacity 55 litres.
$15 \mathrm{I} / \mathrm{mn}$ at 0.2 bar

Two drain plugs without tool. Directly connected to the metal outlet of the tank by means of a bolt or $3 / 4$ " from behind. Can also be mounted on a slurry tank with the adapter (B201).

Galvanised version: GALVALAC 65T (Ref. G100)

[^0]
## BLUE LEVEL

Connected level gauge for tank in pasture with alarms by e-mail or text message.
Ultrasonic sensor suitable for all tanks: cylindrical, rectangular or cubic, metal or polyethylene tanks, on wheels or stationary.
Watertight IP67 CE ultrasonic sensor. Communicates its measurements several times a day on low-speed network (see "OUR ADVICE").Easily installed on all types of tanks in a vent hole or specially drilled hole. 3 screw thread diameters: $\emptyset 2^{\prime \prime}-\emptyset 1 " 1 / 2-\emptyset 1 " 1 / 4$.
(3) 2 pre-installed and easily replaceable LR03 batteries ( 3 to 5 years' service life).

Installation and activation only take a few minutes.
Precisely measures the water level and ambiant temperature. Entirely designed and manufactured in France. Also suitable for fuel and others liquids.

(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 consumption...
6 Alarms by text message / e-mail sent according to your instructions. (5 text messages per month are included, unlimited number of warnings by e-mail)
No more stress, you can plan ahead when to refill your tank.
Management of several BLUE-LEVEL-connected gauges with display of each tank on a map is possible.

| REF. | DESIENATION |
| :--- | :--- |
| AE30 | Connected gauge +1 year communication with LORA ${ }^{\text {® }}$ |
| AE31 | Connected gauge +1 year communication with SIGFOX ${ }^{\text {® }}$ |

## OUR ADVICE

How to choose the BLUE LEVEL communication system?
Depending on the geographic location(s) of your gauge, choose the network with the best coverage:
LORa Check out the LoRa coverage: https://couverture-mobile.orange.fr/mapV3/lora/
sigfox
Check out the Sigfox coverage: https://www.sigfox.com/en/coverage

## OUTDOOR WATERING SYSTEM: SOLAR PUMPING

Based on LA BUVETTE ${ }^{\circledR}$ technological know-how, the SOLAR-FLOW ${ }^{\text {TM }}$ range of autonomous solar powered drinkers and pumping stations meet your water needs far from the farm since 2003.

LA BUVETTE® SOLAR RANGE, CHOOSE THE BEST PUMPING SET:

|  | SOLAR-BASIC Ref. 2200 | 井 | 4 |  |  | F0 | $\sum \infty$ | 1 | $\longrightarrow$ | $00^{\circ}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 29 |  | 55 Wp | 12 V | 85 Ah* | $\begin{gathered} 1200 \mathrm{I} / \mathrm{day} \\ (125 \mathrm{I} / \mathrm{h}) \end{gathered}$ | 5 days at 1200 I/day | $\begin{gathered} 25 \\ \text { horses } \end{gathered}$ | Waterup <br> Pushing $\mathbf{1 0} \mathbf{m}$ <br> ( 32.8 ft ) | Distance 25 m (27.3 yds) | Unique Drinking Site |
| 30 | SOLAR-FLOW <br> "Solar-powered" | 160 Wp | 24 V |  | 3500 I/day ( $360 \mathrm{I} / \mathrm{h}$ ) | - | $\begin{gathered} 75 \\ \text { horses } \end{gathered}$ | Waterup Pushing 50 m ( 164 ft ) | $\begin{aligned} & \text { Distance } \\ & \mathbf{5 0 0} \mathbf{~ m} \\ & \text { (547 yds) } \end{aligned}$ | Several Drinking Sites |
|  | SOLAR-FLOW <br> "All-in-one" 900 L | 80 Wp | 12 V | 110 Ah | $\begin{gathered} \mathbf{2 2 0 0} \text { I/day } \\ (250 \mathrm{l} / \mathrm{h}) \end{gathered}$ | 10 days at 1200 I/day | $\begin{gathered} \mathbf{4 0} \\ \text { horses } \end{gathered}$ | Waterup Pushing 20 m ( 65.6 ft ) | Distance 50 m (55 yds) | Unique Drinking Site |
|  | SOLAR-FLOW "All-in-one" 1500 L $\qquad$ | 160 Wp | 24 V | 110 Ah | 3500 I/day ( $360 \mathrm{l} / \mathrm{h}$ ) | 10 days at 2500 I/day | $\begin{gathered} 75 \\ \text { horses } \end{gathered}$ | Waterup Pushing 50 m (164 ft) | Distance 50 m (55 yds) | Unique Drinking Site |
|  | SOLAR-FLOW <br> "Storage" <br> 12 V Re | 80 Wp | 12 V | 110 Ah | $\begin{gathered} 2200 \mathrm{I} / \mathrm{day} \\ (250 \mathrm{I} / \mathrm{h}) \end{gathered}$ | 10 days at 1200 I/day | $\begin{gathered} \mathbf{4 0} \\ \text { horses } \end{gathered}$ | Waterup Pushing 20 m ( 65.6 ft ) | Distance <br> 200 m <br> (219 yds) | Several Drinking Sites |
|  | SOLAR-FLOW <br> "Storage" <br> 24V Ref. 2287 | 160 Wp | 24 V | 110 Ah | 3500 I/day ( $360 \mathrm{l} / \mathrm{h}$ ) | 10 days at 2500 I/day | $\begin{gathered} 75 \\ \text { horses } \end{gathered}$ | Waterup Pushing 50 m ( 164 ft ) | Distance 500 m (547 yds) | Several Drinking Sites |

## SOLAR-POWERED PUMP SET

## SOLAR-BASIC

Stand-alone, solar-powered pump set able to cover water consumption peaks in summer from up to 25 adult horses.
SOLAR-BASIC helps preserve the riverbanks and pond shores.
Reliable, powerful and easy to install.


Up to $\mathbf{1 2 0 0}$ I/day
12V immersed pump ; Flow rate: 200~300 I/h depending on the immersion depthSolar panel of $12 \mathrm{~V} / 55 \mathrm{~W}$ supplied with ground supportPre-wired controller: protects the battery from becoming completely drainedStorage box for the battery* and the controllerWater-level sensor in the trough to stop the pump
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 $\mathbf{1 2 0 0}$ I/day for 5 days without sun*. Easy -to-move set, to be installed near a pumping point (maximum $\mathbf{2 5}$ m). Compatible with all types of troughs and tanks.

*Battery not supplied. Use a gel battery with a capacity of 85 Ah, maximum dimensions: $280 \times 175 \times 190 \mathrm{~mm}$.


## SOLAR RANGE IN VIDEO:

Watch it on www. labuvette.com


## SOLAR WATERERS \& SOLAR PUMP SETS

## SOLAR-FLOWTM SOLAR-POWERED

Solar pump sets without battery: The pump is activated as soon as the luminosity is sufficient.
The ideal solution to fill a big tank placed at the top and supply several parcels with water by means of gravity*.
The Solar-Flow ${ }^{\text {Th }}$ solar-powered model pumps up to $\mathbf{3 5 0 0}$ litres/day during the high season. It covers the consumption of a herd of 75 adult horses.
(1. Very powerful immersion pump: Pushes the water up to 50 m verticaly more than 500 meter horizontally and supplies 160 to $360 \mathrm{I} / \mathrm{h}$ (depends on the suction depth).
*: Troughs and tanks are sold separately, see p. 18 and 22.


Minimal well diameter: $\mathbf{1 2 0} \mathbf{~ m m ~ ( ~} \mathbf{5}^{\prime \prime}$ )
Maximum verticaly waterup pushing: $\mathbf{5 0} \mathrm{m}$ ( $\mathbf{1 6 4} \mathrm{ft}$ )
Maximum immersion depth of the pump: $\mathbf{2 0} \mathbf{m}$ ( $\mathbf{6 5} \mathbf{f t}$ )

## REF. DESIGNATION

## Solar pump set 24 V «SOLAR-POWERED"

2203 with two 80 Wp panels, submerged pump, pole and supports, 124 V
booster, $50 \mathrm{~m}(164 \mathrm{ft})$ hose, fittings and electric cables

## SOLAR-FLOMTM STORAGE

Complete autonomous solar pump set with batteries. The batteries accumulate energy as soon as the luminosity is sufficient.
Water level sensors activate and stop the pump to avoid overflow. The same performances as the all-in-one SOLAR-FLOW™ watering systems (ref. 2201 and 2202 opposite).
Troughs and tanks are sold separately, see p. 18 and 22.

## ref. designation

Solar pump set 12 V «Storage»: With one 80 Wp panel, submerged pump, pole, 2285 support, cabinet, 12 V battery, electric cables and $25 \mathrm{~m}(82 \mathrm{ft})$ stainless steel cable, 25 m ( 82 ft ) hose and water level sensors

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



3 Very powerful immersion pump: Pushes the water up to 20 m verticaly ( 50 m for the 1500 L -model) more than 200 meter horizontally ( 500 m for the 1500 L -model) and supplies 160 to $360 \mathrm{I} / \mathrm{h}$ (depends on the suction depth and the model). A well level sensor protects the pump.The central compartment locked by a key protects the batteries and their charge controller.
(5) Solar panels $80 \mathrm{~W}_{\mathrm{p}}$ pole and bracket, with anti-theft nuts.


Minimal well diameter: $\mathbf{1 2 0 ~ m m ~ ( 5 " ) ~}$
Maximum verticaly waterup pushing: 20 \& 50 m ( $65 / \mathbf{1 6 4} \mathrm{ft}$ )
Maximum immersion depth of the pump: $\mathbf{2 0 ~ m}$ ( $\mathbf{6 5 \mathrm { ft } \text { ) }}$

## REF. DESIGNATION

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

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

## SOLAR-FLOW ${ }^{T M}$

MODULARE
Customised solar watering system are available:
Please contact us. +33 (0)3 24523727

## OUR ADVICE

## Save money in only 1 or 2 seasons with SOLAR-FLOW ! <br> Calculate the amount of money that is wasted each year by water hauling and find which SOLAR-FLOW can help you to save money. by downloading our interactive guide available for free on our facebook page: labuvette.cheval

## PASTURE PUMPS

## AQUAMAT ${ }^{\text {TM }}$ II

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

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

Flow rate of 0,5 I (0,13 USG)/pushing.
Trough in polyethylene: Rust-resistant, UV-resistant and shockproof, whereas cast iron troughs.
(2) Learning process facilitated by small water reserve visible on the bottom of the bowl.The push rod surrounds the mechanism to avoid accidents.4 Reliable and sturdy: $\emptyset 12 \mathrm{~mm}\left(0.5^{\prime \prime}\right)$ axe.

| REF. | DESIGNATION | PACWAGING |
| :--- | :--- | :--- |
| 2209 | Pump alone with fitting 1 " MM $(26 \times 34 \mathrm{~mm})$ |  |
| 2213 | Pump with strainer + 2 fluted fittings | Carton apiece |
| 2214 | Pump with strainer +2 screwed fittings + suction hose 7 m | Carton apiece |



## OUR ADVICE

## To protect the pump and help

 the animals learn to drink from it, 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 ${ }^{\text {TM }}$ pump to the ground or to a support.

Allow one pump for $\mathbf{1}$ to $\mathbf{1 0}$ horses.
Integrated educational bowl for young foal.Design preventing the foal to put its nose between the push rod and the trough.
Identical to the AQUAMAT ${ }^{T M}$ II with integrated bowl for foal, specially designed for broodmare.


| REF. | DESIGNATION |
| :--- | :--- |
| $\mathbf{2 2 1 5}$ | Pump (alone), for broodmare |
| $\mathbf{2 2 1 6}$ | Pump for for broodmare with strainer +2 screwed fittings |
| $\mathbf{2 2 0 7}$ | Pump for for broodmare with strainer +2 screwed fittings + suction hose 7 m |

+ ACCESSORIES


B105


B106


B107


| REF. | DESIGNATION |
| :--- | :--- |
| B105 | Brass and stainless steel strainer with non return valve |
| B106 | Threaded fitting M26x34 ( $1^{\prime \prime}$ ) for flexible hose (with inner $\emptyset$ of $32 \mathrm{~mm} \mathrm{(1.25"))}$ |
| B107 | Threaded fitting MM $26 \times 34\left(1^{\prime \prime}\right)$ |
| B110 | Suction set, complete (7m (23') hose + strainer + fittings) |

Tested and approved by THREE-HEARTS, Baly and Capucine!
Watch as Capucine, the most-followed equestrian influencer in France, installs and teaches Ace and Baly how to use the AQUAMAT II.

YouTube: Q Three-Hearts - Baly et Capucine

FEED TROUGHS

## HDPE FEED TROUGHS

1 or 2 meter long feed troughs to be installed on the floor.
Made of HDPE for food, very sturdy.
Suitable for high-pressure cleaning.
Flat bottom for higher stability.


| REF. | DESIGNATION |
| :--- | :--- |
| D238 | 1 m HDPE feed trough -16.6 L |
| D239 | 2 m HDPE feed trough $-36,7 \mathrm{I}$. |

$\square$
Tested and approved by THREE-HEARTS, Baly and Capucine!


If, like Capucine, the most-followed equestrian influencer in France, you've been experiencing troubles with tilting feeders, make the right choice and opt for a D167 feeder! Even Ace, her expert pony, hasn't been able to tilt it. Follow her YouTube channel:
Q Three-Hearts - Baly et Capucine


Scan to watch the video
THREE-HEARTS - Baly et Capucine

## TYRE TROUGH

Polyethylene trough to be placed in a tyre size $175 / 14^{\prime \prime}$ and more (not included).

Dimensions: $\emptyset 335 \times \mathrm{H} .195 \mathrm{~mm}$. Capacity: 15,5 litres.


REF. designation
D158 Tyre feed trough - 15,5 litres

## PASTURE FEEDER

Very sturdy double-walled polyethylene feed trough.

Dimensions: $\emptyset 610 \times \mathrm{H} .240 \mathrm{~mm}$. ( 24 " $\times 9^{\prime \prime 1} 1 / 2$ )
Capacity: 21 litres.


ReF. Designation
D167 Pasture feed trough - 21 litres

## MONOBLOC PREMIUM TROUGHS

Feed troughs for horses indoor and outdoor. Monobloc tub made of $\mathbf{1 0 0} \%$ 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.


Width: 800 mm - Depth: 400 mm - Height: 570 to 750 mm

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

## HAYBELL FEEDER

## HAYBELL FEEDER

Hay feeder with or without bottom for round bales $\emptyset 160 \mathrm{~cm}$ ( 5.25 ft ). 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 $80 \times 34 \mathrm{~cm}\left(31.5 \times 13.4^{\prime \prime}\right)$, protected against run-off by means of guttersBottom edge of 40 cm ( $15.7^{\prime \prime}$ ) high to reduce spilling4 anchor points
(5) Hoisting eye

Dimensions: $\emptyset 180 \times 150 \mathrm{~cm} .(5.9 \times 4.9 \mathrm{ft})$

## REF. DESIGNATION

D230 Haybell made of HDPE for round bales $\emptyset 160 \mathrm{~cm}(5.1 / 4 \mathrm{ft})$



Bottom end for haybell feeder.
Made of HDPE, resistant to rot and UV light.
Avoids rising humidity by capillary action.

(1) Protects the hay from humidity of the ground.

## REF. DESIGNATION

D229 Bottom for haybell

## OUR ADVICE

Make sure to firmly secure your haybell feeder to the ground.
Allow one feeder for 1 to $\mathbf{1 0}$ horses.

FEEDERS FOR BOXES


## WALL FEEDERS

22 I. feeder in HD polyethylene with non-spill edge.
L. $490 \times$ W. $400 \times$ H. 285 mm.

Drain plug.


| REF. DESIGNATION |
| :--- | :--- |
| D168 Feeder - Made of polyethylene -22 litres |



| 13,5 I. fence feeder. |
| :--- |
| L. $290 \times$ W. $290 \times \mathrm{H} .260 \mathrm{~mm}$. |
| REF. DESIGNATION |
| D152 Fence feeder - 13,5 litres |

## FEED BARROWS AND GRAIN CONTAINERS

## 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: $\emptyset 400 \mathrm{~mm}$ wheels with pneumatic tyres and ball bearings for comfortable handling.
(3) Two caster wheels for smooth handling.
4. Heightened version $(+15 \mathrm{~cm})$ 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. $768 \times$ W. $560 \times$ H. 912 mm (L. $30^{\prime \prime} \times$ W. $22^{\prime \prime} \times$ H. 36 ") |

* ACCESSORIES


Galvanised steel handlebar. Very handy to push the cart up on its two front wheels to overcome obstacles on the ground.

| REF. | DESIGNATION |
| :--- | :--- |
| A790 | Galvanised steel handlebar for 140 I barrow. |
| D171 | Feed scoop in plastic. Calibration per $1 / 2$ litre ( 0,13 USG) <br> Max. capacity: 3 litres ( 0,79 USG) $-\mathrm{L} 265 \times W$ <br> 175 <br> mm <br> (L 10.5" $\times$ W 7") |
| D176 | HDPE cover for 140 I cart |
| D177 | HDPE partition for 140 I cart with attaching angles |
| D178 | HDPE cover for 340 I cart |
| D179 | HDPE partition for 340 I cart with attaching angles |



## GRAIN CONTAINERS

Grain containers in polyethylene: vermin-proof and watertight.
Dimensions:
300 L: 1255 xl. $750 \times \mathrm{h} .850 \mathrm{~mm}$
500 L: $1255 \times \mathrm{l} .750 \times \mathrm{h} .1200 \mathrm{~mm}$


| REF. | DESIGNATION |
| :--- | :--- |
| D346 | Grain container - Capacity 300 I. |
| D347 | Grain container - Capacity 500 I. |

## OUR ADVICE

A polyethylen lid (D176 or D178) protects the feed against rodents and birds.

## DID YOU KNOW?

## Advantages of our reinforced plastic rims:

- Very sturdy and durable: Our synthetic rims are rustproof and can be washed with a highpressure 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 $\emptyset 400 \mathrm{~mm}$ with inner tube and run on ball bearings for maximum handling comfort.


## STABLE TOOLS

## BROOMS

Brooms with brush heads in fibrereinforced PVC and synthetic hairs. 1.50 m beech handle ( 59 ").


| REF. | DESIGNATION | PACMAGNG |
| :--- | :--- | ---: |
| A701 | Broom with brush head, $32 \mathrm{~cm}\left(12.6^{\prime \prime}\right)$ | Per box of 6 |
| A702 | Broom with brush head, $55 \mathrm{~cm}\left(21.7^{\prime \prime}\right)$ | Per box of 6 |

## ROUND BROOM

Round polyethylene broom with adjustable lock ring.
1.90 m beech handle ( $74.8^{\prime \prime}$ ).


## 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").

5 stitches.

| REF. | DESIGNATION |
| :--- | :--- |
| A712 | Rice Straw Broom $-1,42 \mathrm{~m}$ long (55.9") |

Per box of 10

## FOR 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 - $1,10 \mathrm{~m}$ long (43.3") Per bag of 5

## SHOVEL

Very sturdy, reliable and durable polypropylene clearing shovels. 1.45 m beech handle (57").


Automatic anti-rotation handle connection.


| REF. DESIGNATION | PACKAGING |  |
| :--- | :--- | ---: |
| A705 Clearing shovel, $53 \mathrm{~cm}\left(21^{\prime \prime}\right)$ | Per box of 6 |  |
| A706 | Clearing shovel, $66 \mathrm{~cm}\left(26^{\prime \prime}\right)$ | Per box of 6 |

## GRAIN SHOVEL

Reinforced ABS grain shovel.
$1,70 \mathrm{~m}$ ash handle (67").


| REF. DESIGNATION | PAGMAGNG |  |
| :--- | :--- | ---: |
| A704 | Grain shovel $-1,70 \mathrm{~m}$ long ( $\left.67^{\prime \prime}\right)$ | Per box of 6 |

## 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.Can be tipped more than $90^{\circ}$ (from the ground) for easy and complete emptying.
4. Stainless steel wear protection.
(5) Bolted frame with handles.Anti-wear strips.
(7) Safety lock to avoid accidental tipping.
(8) Reinforced $\emptyset 400 \mathrm{~mm}$ pneumatic tyres, rims mounted on ball bearings.

Dimensions: L. $1746 \times$ W. $830 \times$ H. 857 mm (L. 68 " x W. $32^{\prime \prime} \times$ H. 34 ")

| REF. | DESIGNATION |
| :--- | :--- |
| D186 | 330 litres ( 87 USG) dumping wheelbarrow |




## 600 L. WHEELBARROW

Tipping wheelbarrow of $\mathbf{6 0 0}$ litres designed to reduce fatigue.
Larger volume for less trips!
Same specifications as the 3301 model.


REF. DESIGNATION
D187 600 litres(158 USG) dumping wheelbarrow


## 4-WHEELED CART AND BALE TROLLEY



## BALE TROLLEY

Perfect to transport voluminous loads.
Sturdy construction for a long service life.
Very functional for daily use.
Admissible load: $\mathbf{2 0 0} \mathbf{~ k g}$.
Trolley delivered apiece, fully assembled.

## 4-WHEELED CART

Sturdy cart with hot-dip galvanised steel frame and non-slip bakelitecovered 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 $\emptyset 400 \mathrm{~mm}$ 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. $98 \times$ H. $49,5 \mathrm{~cm}$ ( $\left.94.5^{\prime \prime} \times 38.6^{\prime \prime} \times 19.5^{\prime \prime}\right)$
- Cart: L. 275 x W. 98 x H. 125 cm ( $108.3^{\prime \prime} \times 38.6^{\prime \prime} \times 49.2^{\prime \prime}$ ).
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


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

## SOIL REINFORCEMENT \& OBSTACLES IN POLYETHYLENE

## 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: $1 \mathrm{~m}^{2}$ ( 10 sq.ft) instead of $1.80 \mathrm{~m}^{2}$ ( 28 sq. .) $)\left(4\right.$ hooves $\times 45 \mathrm{~cm}^{2}(7 \mathrm{sq} . ")$ ).
- 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.The stabilising grids are overgrown with grass.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


Before installing the LA BUVETTE ${ }^{\circledR}$ 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.


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.

## FOR FROST-FREE DRINKERS



| REF. | DESIGNATION |
| :---: | :---: |
| A505 | Transformer 50 VA for 1 waterer 50 W |
| A504 | Transformer 100 VA for 2 waterers 50 W or 1 waterer $\leq 100 \mathrm{~W}$ |
| A503 | Transformer 200 VA for 4 waterers 50 W or 2 of 100 W or 1 waterer $\leq 100 \mathrm{~W}$ |
| A501 | Transformer 300 VA for 6 waterers 50 W or 3 of 100 W or 1 waterer $\leq 300 \mathrm{~W}$ |
| A502 | Transformer 400 VA for 8 waterers 50 W or 4 of 100 W or 1 waterer $\leq 400 \mathrm{~W}$ |
| A532 | Remote thermostat for frost-free electric waterers: Automatic on/off according to the temperature $\left(3^{\circ} \mathrm{C} / 37.4^{\circ} \mathrm{F}\right)$. Watertight cabinet. Max capacity: 1200 W |
| A456 | Insulating jacket, 35 mm foam. 1 m ( 39,4 ") long. |
| OTECTIONS <br> A352 |  |
| REF. | DESIGNATION |
| A352 | Protection frame in galvanised stel suitable for F11, FORSTAL, F30, F130, LAC 5, LAC 10 Wall or corner mounting - Dim.: D $366 \times$ W $334 \times H 235 \mathrm{~mm}$ ( 14.4 " $\times 13.1^{\prime \prime} \times 9.3^{\prime \prime}$ ) |
| A354 | Protection frame in galvanised steel suitable for F 130 EL <br> Wall or corner mounting - Dim.: D $379 \times$ W $353 \times H 271 \mathrm{~mm}$ ( 14.9 " $\left.\times 13.9^{\prime \prime} \times 10.7^{\prime \prime}\right)$ |
| A358 | Water pipe protection in gavanised steel - useful dim. L. $750 \times$ W. $60 \times$ D. 75 mm . |

CONNECTION SETS


A359


| REF. | DESIGNATION |
| :--- | :--- |
| A359 | Connection set for water circuit: 2 stainless steel $3 / 4 "$ tubes + rotary union |
| A367 | Connection set for water circuit suitable for F30 and F130 INOX: <br> 2 stainless steel $3 / 4 " ~ t u b e s ~$ |
| A373 | Connection set for water circuit - for small spaces |

## FILTRATION

Recommended filter at the beginning of every water supply for waterers.

| REF. | DESIGNATION |
| :--- | :--- |
| A446 | $6 \mathrm{~m}^{3} / \mathrm{h}$ - Filtrage 100 microns - Raccordement $26 \times 34 \mathrm{~mm}\left(1^{\prime \prime}\right)$ |
| A445 | Filter element 100 microns |

## MEDICATION

Precise and reliable dosing pumps AQUAMIX to complement the drinking water. Ask us about the several models we have available.


## SS. BRAIDED HOSES

Stainless steel braided hoses with $1 / 2$ " or $3 / 4$ " connection.

| REF. | DESIGNATION | Packaging |
| :--- | :--- | ---: |
| A453 | Length: 300 mm , with 2 swivels $1 / 2^{\prime \prime}+$ fitting male-male | Bag |
| A455 | Length: 600 mm , with 2 swivels $1 / 2^{\prime \prime}+$ fitting male-male | Blister |
| A458 | Length: 1000 mm , with 2 swivels $1 / 2^{\prime \prime}+$ fitting male-male | Blister |
| A481 | Length: 600 mm , with 2 swivels $3 / 4$ " + fitting male-male | Blister |
| A483 | Length: 1000 mm , with 2 swivels $3 / 4$ " + fitting male-male | Blister |

## PRESSURE REDUCERS

Pressure reducers with gauge.
High flow rate model: ref. A406.

[^1]
## 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.



Numerous references of spare parts in blister pack.



Documentation holder. Labels with Sale Information for identification and to help the customer choose.

## DID YOU KNOW

VISIT OUR WEBSITE: www. labuvette.com
Advice, videos, mouting instructions, exploded views, all our products and more...

www.labuvette.com

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Measured


Galvanised
Products

Solar Products

## PRODUCT GUARANTEE

Our material comes with a 1 year guarantee against all manufacturing defects unless otherwise stated. Our guarantee only covers the replacement of defective parts. The purchaser can ask for their return at his own 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 ${ }^{\circledR}$ representative of his region and the latter shall submit it to the After Sales Service of LA BUVETTE ${ }^{\circledR}$.
The following are excluded from the guarantee: Damage caused by:

- the shipping company: the dealer shall check the material and write remarks on the shipping note concerning any defects discovered during unloading and then he shall contact LA BUVETTE ${ }^{\text {© }}$.
- inappropriate or careless handling.
- an installation that does not comply with the mounting instructions.
- usage for which the product is not designed.
- insufficient filling with water of drinking troughs.


## 2022



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[^0]:    REF. DESIGNATION
    1650 Double trough in H.D.P.E. with low pressure valve for water tank

[^1]:    REF. DESIGNATION
    A405 Pressure reducer with gauge, connection $3 / 4$ " Max. flow: $151 . / m n$ at 4 bars (4USG at 58 psi).
    A406 Pressure reducer with gauge for high flow rate - connection $3 / 4$ ", keeps an high flow rate.

