

LA BUVETTE®

The specialist in watering



NEWS

N°24 • JUNE 2014

SPECIAL ON THE INSTALLATION OF STABLE DRINKERS

EDITORIAL



As far as the weather is concerned, one can definitely say that the years follow on and none are alike!

The past winter, we had a lot of rain, no frost at all, followed by a very dry early spring... These strange weather conditions combined with an economic

boom-and-bust cycle force us to continually adapt to the expectations of the users that have become increasingly difficult to grasp.

Yet, logic still dictates certain actions to be taken. Now is indeed the time to start thinking about pasture products and especially those that make you save time and money, such as the LA BUVETTE SOLAR-FLOW™ installation. Accumulating 11 years of experience, it provides an incredibly fast return on investment. (Re)discover this product in this newsletter.

As a specialist in watering solutions, we also have to consider the bigger picture. Therefore, we have decided to dedicate a very important place in this new edition to advice on the installation of watering systems in buildings. The location is indeed a very important decision as it can have significant consequences on the access to the water, and as such also on the health and production of the cows.

The entire LA BUVETTE team and myself hope you will enjoy reading this newsletter.

Jean-Philippe BOUSQUET
President



THE LOCATION OF THE WATERING POINTS IN STABLES IS CRITICAL FOR THE HERD'S PERFORMANCE !

When kept indoor **a suckler cow drinks 40 to 60 litres over the course of a day, whereas a dairy cow needs to drink 70 to 100 litres a day.** Therefore, your cows need the best possible access to water. An unsuitable location of the watering 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 the next pages show the ideal locations of the watering points depending on the building layout.

What key points must be observed to optimise access to the drinkers?

- It is important to have a sufficient number of watering points installed at some distance from one another. As a general rule, we recommend 1 individual watering point for 10 lactating cows and 1 individual watering point for 15 nursing cows. This helps reduce competition at the drinker as pushing is avoided. On the other hand, we recommend the installation of at least two watering points in the stables to avoid that the dominant cows block the other cows' access to the drinkers.
- The drinker's flow rate is also very important to satisfy their need for drinking water. We recommend a minimum flow rate of 15 l/min at each watering point in a dairy stable and 10 l/min in a beef stable. The recommended operating pressure is 3 bars.
- The drinker has to be installed at the appropriate height, between 75 and 80 cm for dairy cows and between 65 and 75 cm for nursing cows.
- In order to always guarantee the supply of healthy water to your animals, you have to clean the drinker at least once a week. Therefore, it is important to choose drinkers that are easy to clean.

With regard to troughs, an accessible length of 50 cm represents one access. For animals on straw bedding, it is recommended to install the drinkers along the passageway and to block access to them from the straw bedded area avoiding the litter to be soiled. A dairy cow very often drinks after distribution of the feed ration and immediately after milking. This is why it is important to install the troughs close to the feeding table or the milking parlour. Mind however not to install the drinkers in places where they could hinder the free movement of the animals.

Also read the French press articles to which we have contributed:

- "Les sept règles pour un abreuvement efficace" (Seven Rules for Efficient Watering) (RÉUSSIR LAIT No. 271 / July-August 2013)
- "Eau d'abreuvement: adapter la ressource à la taille du troupeau" (Drinking Water: Adapt the Source to the Size of the Herd) (L'ÉLEVÉUR LAITIÉ No. 224 / May 2014)

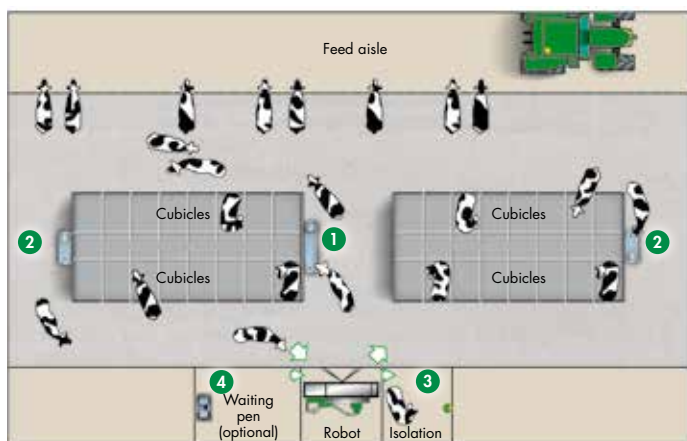


DAIRY COWS

REMEMBER: 1 access to water for 10 dairy cows. Large troughs: 1 access = one length of 50 cm; flow rate: 15 l/min for each access to

HOW TO DET

DAIRY COW BUILDING WITH HEAD-TO-HEAD CUBICLES – MILKING ROBOT – LOOSE-HOUSING



1 GV 230 or LB 230 or BAÏKAL 230 or MULTI 220

The passageway must be sufficiently wide (3,75 m) to allow 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 CLEANOBAC or MICHIGAN DUO

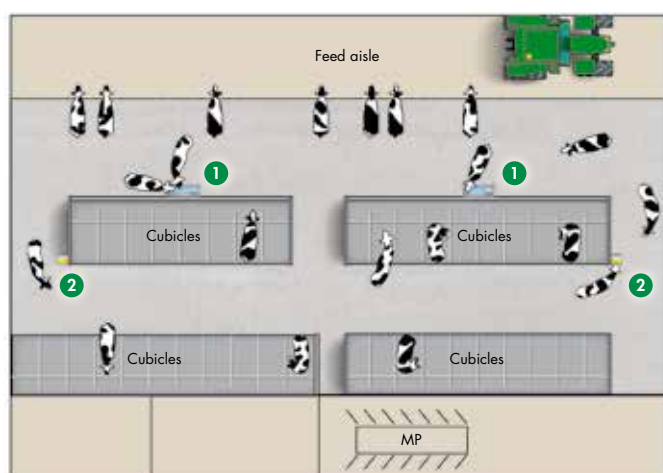
Additional drinkers must be installed at each end of the building. As they are less frequently used than the ones placed in the middle of the building, double or triple access drinkers are particularly suited.

3 F30 or 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

DAIRY COW BUILDING WITH 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.

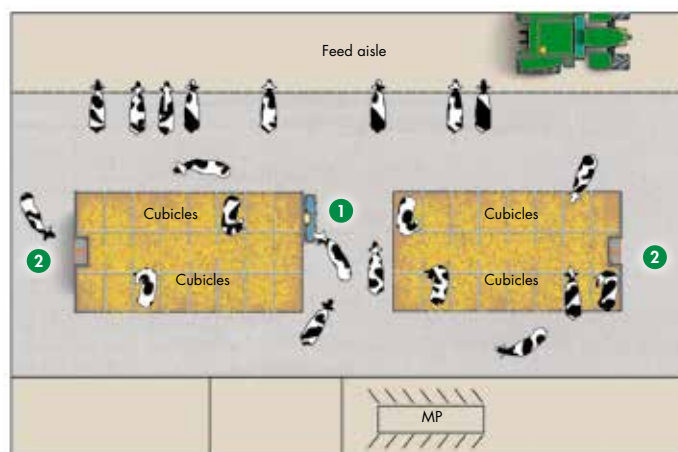
NOTE: to allow free passage of the scraper, it is necessary to chose wall-mounted drinkers. However, it is still possible to have drinkers on the floor, such as CLEANO-BAC, ISOBAC or even PREBAC 70 by placing them in a recess in the wall specially provided for this purpose.

2 POLYSTALL PREMIUM (1 access) with 90° mounting bracket

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.

DAIRY COW BUILDING WITH 2 ROWS OF HEAD-TO-HEAD CUBICLES AND BEDDING AISLE



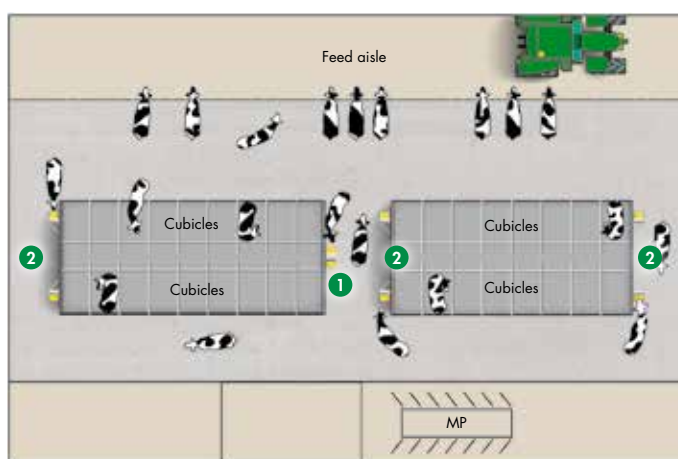
1 MULTI 220 or LB230 or GV 230 or BAÏKAL 230

The passageway must be sufficiently wide (3,75 m) to allow 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 ISOBAC or GV 150 or CLEANOBAC or MICHIGAN

When placed at the end of the bedding aisle, the drinkers are less likely to hinder free movement of the cows. To protect the cubicles from splashing, you should build a wall around the drinkers and channel the drained water towards the scraped area.

DAIRY COW BUILDING WITH 2 ROWS OF HEAD-TO-HEAD CUBICLES



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

This drinker is suited for rather narrow passageways between cubicles. It allows two 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 (1 access) with 90° mounting bracket

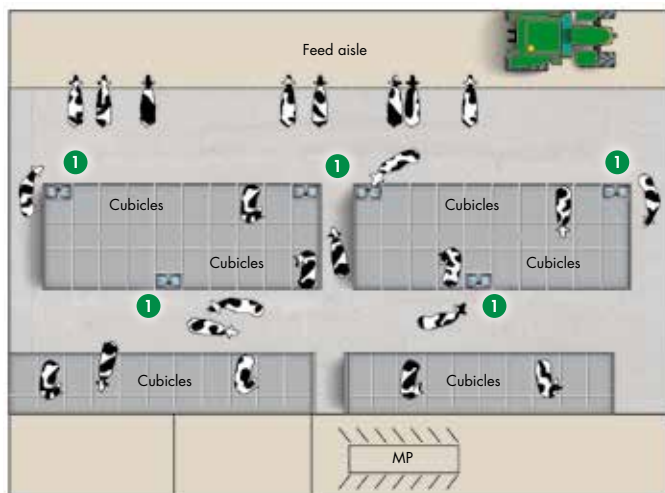
When installed parallel to the wall, this drinker is suited for rather narrow passageways between cubicles (2,5 to 3,75 m). It allows cows to drink without hindering the free movement of the other cows.

This location also has the advantage of limiting the presence of dung in the passageways.

DETERMINE THE BEST LOCATION FOR STABLE

the water; height to the edge of the drinker: 75-80 cm; favour drinkers with constant level.

DAIRY COW BUILDING WITH 3 ROWS OF CUBICLES WITH NARROW PASSAGEWAYS

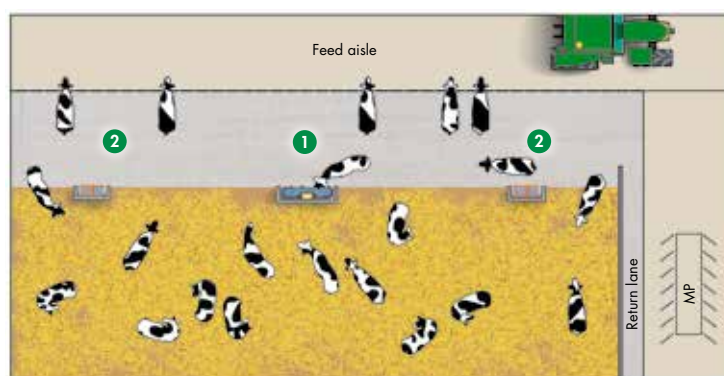


1 MICHIGAN DUO or THERMOLAC 75 or PREBAC 70 or ISOBAC or CLEANO-BAC or CALORIX

When the passageways between the cubicles are too narrow, it might be 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.

DAIRY COW BUILDING WITH STRAW AREA AND SCRAPER



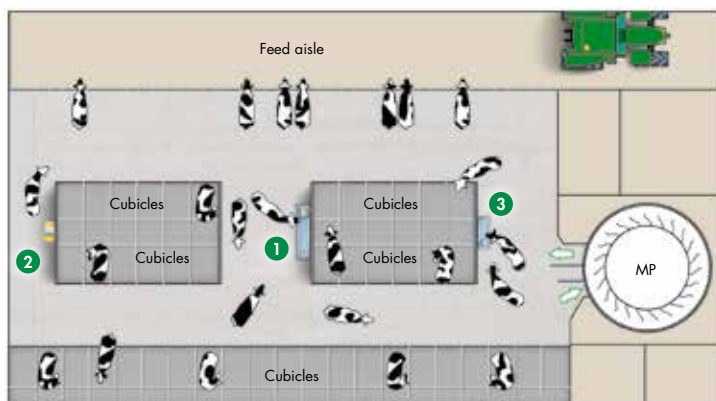
1 MULTI 220 or other large drinkers such as LB 230, GV 230, or BAIKAL 230

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 CLEANOBAC

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.

DAIRY COW BUILDING WITH 3 ROWS OF CUBICLES – ROTATING MILKING MACHINE



1 BAIKAL 230 or MULTI 220 or LB230 or GV230

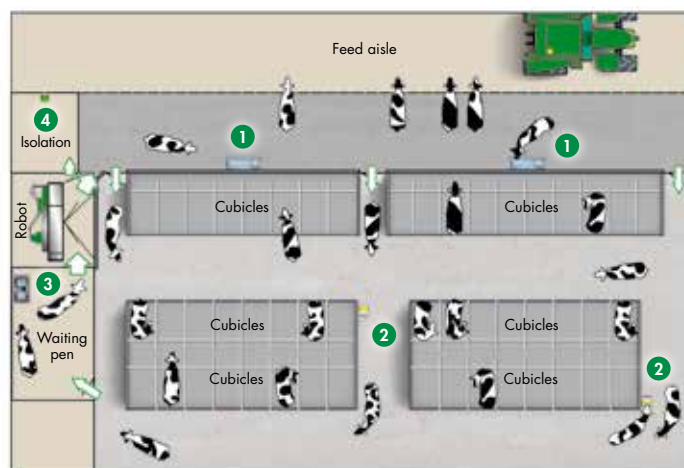
The passageway must be sufficiently wide to allow the cows to drink without hindering the free movement of the other cows, especially at the exit of the milking parlour.

2 POLYSTALL TWIN or STALL 3000 DUO

This drinker is suited for 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.

3 LB150 or GV150

DAIRY COW BUILDING WITH 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

Offering access parallel to the wall, this drinker is suited for narrow passageways between cubicles. 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.

NOTE: even when the movement is controlled, it is recommended to install watering 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 individual drinking bowl

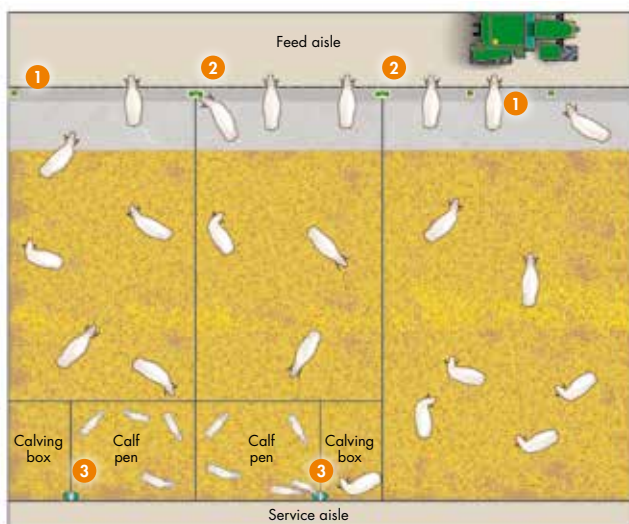
DRINKERS

NURSING COWS

REMEMBER: 1 access to water for 15 heads of cattle; flow rate: 10 l/min for each access to the water; height to the edge of the drinker: 65-75 cm (adults), 40-50 cm (calves); adapt the drinkers to the age of the cattle

NURSING COW BUILDING - STRAW AREA AND SCRAPER

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



1 F30A (non-spill)

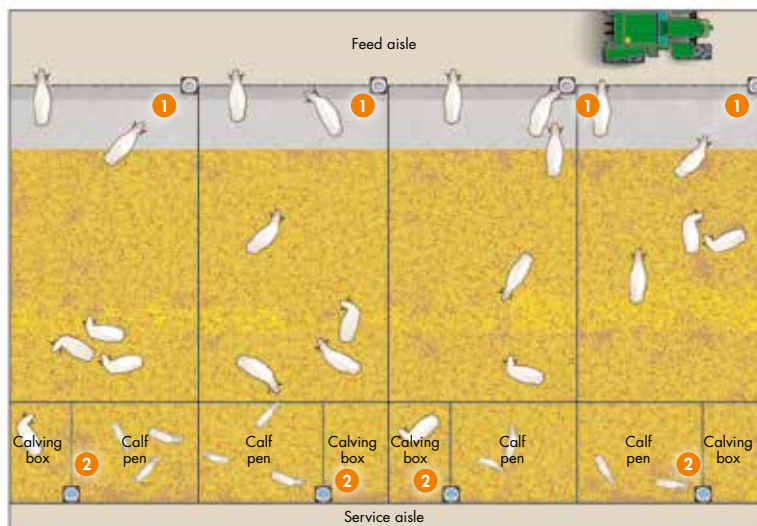
2 F60 or F40 (non-spill)

Place one drinker between two pens to guarantee access to the water from at least one side in case of crowding of animals or failure of a drinker.

3 LAC 55 (Constant water level)

NURSING COW BUILDING - STRAW AREA AND SCRAPER

Electric frost-free drinkers



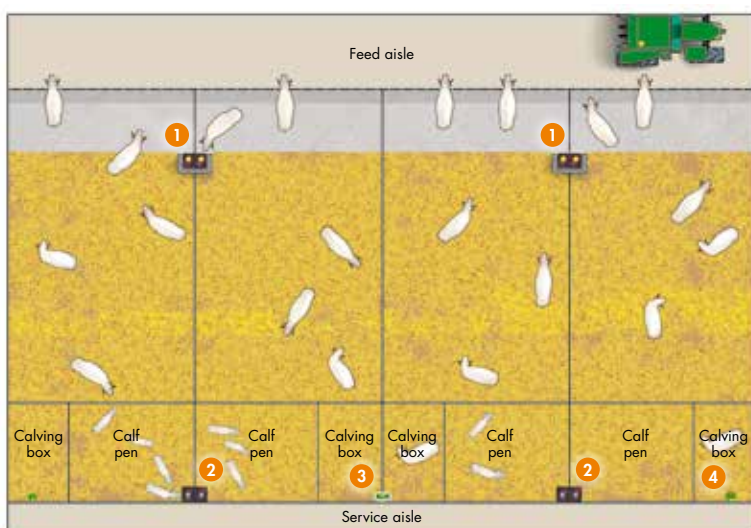
1 Frost-free drinker on stand: BIGCHO 2, BIGSTAL 2 (non-spill), LAKCHO or STALCHO

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

NURSING COW BUILDING - STRAW AREA AND SCRAPER

Isothermal frost-free drinkers



1 THERMOLAC 75 GV (ball model)

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

2 THERMOLAC 75 B (bowl model) suitable for young calves.

3 Bowl of the F60, F40 or BIGCHO 2, BIGSTAL 2, LAKCHO, STALCHO type, etc with or without frost protection (by circulation or electricity) according to the specific needs.

4 Separate bowl of the F30, or F11, LAC 5, F130 EL, NORMANDY type, etc with or without frost protection (by circulation or electricity) according to the specific needs

OUR TIPS FOR ALL NURSING COW BUILDINGS

- The access above the watering point must be at least 60 cm wide, otherwise the animals can drink less easily and less quickly, increasing the risk of spilling.
- For calves, we recommend the use of drinkers with constant water level or specially adapted to their morphology (e.g. BABYLAB).
- Consider already in the construction phase of the building to provide a water supply in the calving boxes.
- Location of the drinkers near the service aisle makes maintenance and inspection of their good working order easier

SOLAR-FLOW™ WATERING SYSTEM: CONVERT TO SOLAR TIME THIS SUMMER!

The hot summer days are coming closer and this also means more frequent filling up of the water tanks to water the thirsty animals. To make better use of your time and offer your animals more comfort, now is the time to consider installing an independent watering system on your pastures when there is a watercourse, well or borehole nearby.

Based on our technological know-how, LA BUVETTE developed the SOLAR-FLOW™ drinkers and equipped them with a pump powered by batteries that are recharged by solar panels to pump up water down to a depth of 50 m. The more the sun shines, the more the animals drink and the more water the pump supplies.

Like many users since 2003, you will also be convinced by the performance and reliability of the SOLAR-FLOW™ range that has already been tried and tested for years. No need to worry anymore about the water supply when there is already a work overload in summer 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.

Ask our technicians' advice to help you choose the system that suits you best allowing your animals to drink regularly in the ideal circumstances without risking water shortage.

Performance & Reliability
**More than 10 years
of experience**
LA BUVETTE® Solar Range



The autonomous SOLAR-FLOW™ 1500 L complete drinking system suits for a herd of 30 to 40 heads of cattle.



SOLAR-FLOW™ «STORAGE» pumping station with 24V batteries connected to a storage tank

THE LARGEST RANGE ON THE MARKET

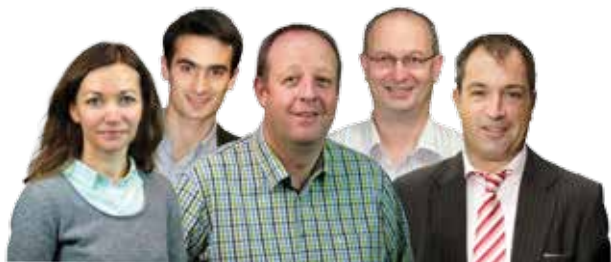
- 2 autonomous drinkers: the solar panels and the batteries are placed in the centre of 2 half troughs. Total capacity available: 900 or 1 500 litres (maximum depth of the well: 20 and 50 m respectively).
- 2 solar pumping stations without batteries: the pump is activated as soon as there is sufficient light. Maximum depth of the well with 24 V pumping set: 50 m.
- 2 solar pumping stations with batteries: the pump is activated by the batteries, even when there is not enough light. Maximum depth of the well: 25 or 50 m.

**Ask for installation and support by your
LA BUVETTE adviser! Contact our technicians:
+33 324 52 37 21.**

OUR NEW EXPORT SALES TEAM

Since the first of January the LA BUVETTE export sales teams has been reorganised.

The export manager, Sébastien MARC, knows the business pretty well since he started working for the company in 2002. He is backed-up by 4 people of whom 2 are of German origin. Goals: strengthen contacts with the present foreign customers and further develop new exportation zones.



On the first row from left to right: Diana PREZIOSI, Sébastien MARC, Jürgen KNAPP

On the second row from left to right: Martin RENET, Volker LORENZ

COME VISIT US SOON

MEETING DATES



LIBRAMONT
from 25 to 28 July



CAEN
from 23 August to 7 September



FONTAINEBLEAU
from 8 to 14 September

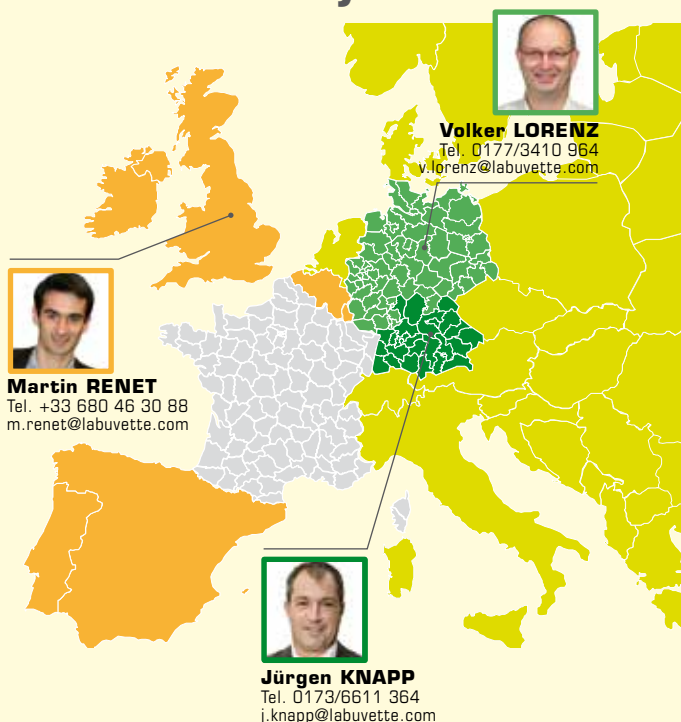


RENNES
from 16 to 19 September



CLERMONT-FERRAND
from 1 to 3 October

YOUR CONTACT In Your Country



At the Office



Sébastien MARC
Export Manager
Tel. +33 681 532 644
s.marc@labuvette.com

Languages:



Diana PREZIOSI
Sales Administration
Tel. +33 324 52 37 23
d.preziosi@labuvette.fr

Languages:



Cathy VANHOOREN
Commercial Assistant,
France & Spain
Tel. +33 324 52 37 20
c.vanhooren@labuvette.fr

Languages:



Élodie COLLINET
Head of Marketing
& Communication
Tel. +33 324 52 37 22
e.collinet@labuvette.fr

Languages:



Didier CORNIQUET
Head of After-Sales Service
Tel. +33 324 52 37 27
d.corniquet@labuvette.fr

Languages:



David BROSSE
Technical-Commercial
Assistant
Tel. +33 324 52 37 21
d.brosse@labuvette.fr

Languages:

LA BUVETTE®
The specialist in watering

Rue Maurice Périn - Parc d'Activités Ardenne Emerald - CS 50749 Tournes
08013 CHARLEVILLE-MÉZIÈRES Cedex - France
Tel. +33 324 52 37 23 - Fax +33 324 52 37 24
After-Sales Service +33 324 52 37 21 - Fax +33 324 52 37 24