

Гъвкави резервоари за UAN и всички течни торове

Продуктова брошура на български език

Ексклузивен дистрибутор за България: Агроекспертс ООД

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Този документ е български превод и техническа адаптация за удобство на клиентите. При несъответствие водещ е оригиналният документ на Labaronne-Citaf и конкретната договорна спецификация.

Източник: Liquid Fertiliser - UAN Application Brochure

Сигурно и икономично съхранение

FLEXIBLE STORAGE
LIQUID FERTILISER - UAN



Looking for a solution to store your liquid fertiliser?

Go for the Labaronne-Citaf flexible tank!

In order to have the fertiliser at the right time, the choice of a long-lasting storage solution that meets the requirements of liquid fertiliser becomes a necessity. And to preserve the quality of this liquid fertiliser and at the same time ensure storage safety, your protection and the protection of the environment, there are a few rules in place.

Liquid fertiliser requires completely watertight storage, designed to resist the aggressive properties of urea ammonium nitrate (UAN) solutions and other liquid fertilisers, for optimal conservation/preservation. The flexible tank has this advantage. It also maximises the savings made thanks to liquid fertiliser since it remains the most advantageous product on the market. Without any particular maintenance, it also proves to be a very flexible and long-lasting acquisition (simple, flexible and movable installation). Coupled with a retention system, the flexible tank guarantees a 100% secure installation.

For over 60 years, Labaronne-Citaf has been manufacturing and marketing flexible tanks designed for the storage of liquid fertiliser in line with the regulations in force and the climatic requirements of each country.



За да разполагате с течен тор в точния момент, е необходимо дълготрайно, водонепропускливо и химически съвместимо решение. Гъвкавият резервоар се проектира според агресивните свойства на UAN и другите течни торове, като същевременно предлага лесен монтаж, възможност за преместване и ниски изисквания за поддръжка.

С ретенционна система инсталацията осигурява допълнителна защита на оператора, почвата и водите.

Основни предимства

- Дългогодишен опит в съхранението на азотни и серни разтвори.
- Френско производство на резервоарите и техните фитинги.
- Оптимална инвестиция на инсталиран кубичен метър.
- Вътрешен или външен монтаж.
- Индивидуално оразмеряване според наличната площ и логистиката на доставките.



**FLEXIBLE TANK
LIQUID FERTILISER**

The best cost-effective storage solution for your liquid fertilisers!

BENEFITS

- A long-term expertise**
Rely on a manufacturer experienced in the storage of nitrogen solutions. Our teams' advice and recommendations now benefit more than 550 farms each year.
- Optimal investment**
Maximise the savings made with liquid fertiliser by choosing flexible tank storage — the most advantageous solution per m³ installed. Take advantage of low nitrogen prices to manage your supply and optimize your purchases.
- French reactivity and quality**
Make the choice of "made in France" and benefit from a quality manufacture both on the tanks and on their fittings. We guarantee short manufacturing lead times and local services based on local partnerships.



**A RECOGNISED BRAND
THAT MAKES THE DIFFERENCE!**



5,000+
references

**Facilities
over 25
YEARS OLD**
still in use

**50
YEARS'**
experience
on this application

Оразмеряване на съхранението

Като отправна точка капацитетът може да се съобрази с доставки от приблизително 23 m³ и допълнителен резерв 5-10 m³.

Брой автоцистерни	Препоръчителен ориентир
1	30 m ³
2	60 m ³
3	80 m ³
4	100 m ³

Крайният обем се определя според продукта, плътността, необходимия оперативен резерв, скоростта на пълнене и свободната площадка.

Ретенция

При съхранение на азотни разтвори систематично се препоръчва вторично задържане, което да ограничи течността при инцидент и да предотврати замърсяване на почвата и водите.

Конструкцията и обемът се определят според проекта и местните изисквания.



STORAGE

Size your storage
We recommend starting on a multiple of tanker lorries (+/- 25 m³) with a security margin of around 5 to 10 m³, which gives the following ratios:

For the storage of 1 nitrogen lorry	→ 30 m ³
For the storage of 2 nitrogen lorries	→ 60 m ³
For the storage of 3 nitrogen lorries	→ 80 m ³
For the storage of 4 nitrogen lorries	→ 100 m ³

DID YOU KNOW?
You can install your tank outdoors as well as indoors.
Our flexible agricultural tanks allow the storage of liquid fertilizers both indoors and outdoors, their design has been studied to withstand all types of bad weather.
Their ease of installation and use, and their robustness, guarantee operators long-term use.

Secure your installation
Generally imposed by local authorities, like for example in France, we systematically recommend the **installation of a retention system** for any storage of nitrogenous solutions in case of accidental spills. This retention system must make it possible to contain the fertilizer and to avoid contamination of the soil and underground or surface bodies of water. **It thus guarantees both the interests of the operator and the preservation of the environment.**
Find out all the essential information about our retention systems on our specific fact sheet.



Стандартно оборудване

Обем	Горно оборудване	Странично оборудване
≤ 150 m ³	Дегазатор DN80	Моноблок полипропиленов кран DN50 + съединител + тапа
> 150 m ³	Дегазатор DN100	Моноблок полипропиленов кран DN80 + съединител + тапа

Централният дегазатор извежда въздушните мехурчета при пълнене. Еднокомпонентният полипропиленов кран е устойчив на корозия и е проектиран да минимизира риска от просмукване и течове.



EQUIPMENT

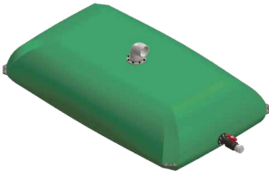
Nitrogen solutions are colourless and almost odourless liquids which can present risks of corrosion and pollution. Manufactured in a **PVC fabric (EU origin)** selected to resist the **aggressive properties of fertiliser**, our flexible tanks are fitted with equipment promoting their longevity: a **one-piece filling and emptying polypropylene valve**, insensitive to the problems of seepage, rust or cracking, and in which welded elements do not leave any space for leaks. The central degasser allows the evacuation of air bubbles during the filling process.

Volume ≤ 150 m³

- STANDARD EQUIPMENT***
- On the top**
- DN80 Degasser
- On the side**
- Filling / Emptying valve polypropylene (PPG) monobloc DN50 + coupling + plug

Volume > 150 m³

- STANDARD EQUIPMENT***
- On the top**
- DN100 Degasser
- On the side**
- Filling / Emptying valve polypropylene (PPG) monobloc DN80 + coupling + plug



* All our flexible tanks are equipped with corner reinforcements and regulatory markings. Each pack contains a repair kit and an installation guide. Orders are shipped in packaging protecting your tank. Additional equipment or accessories can be added to our tanks. These are detailed below.

Допълнително оборудване

- Преливен дегазатор DN80 или DN100.
- Колена за пълнене и изпразване DN50/DN80.
- Моноблок кранове DN50, DN80 или DN100.
- Неръждаем кран DN50 при специфични конфигурации.
- Съединители DSP, Storz или Camlock.
- Геотекстил и защита срещу неравности.
- Термична защита на страничните кранове.
- Заклучващи кранове и опори за кранове.
- Гъвкави маркучи 5, 10 или 15 m.

OPTIONAL EQUIPMENTS

Customize your tank according to your needs



Our standard equipment meets the majority of the needs expressed for more than 50 years to our company. But to optimise the use of your tank, you have the possibility to complete or modify our standards.

INCREASE YOUR FLOW RATES FOR FILLING OR DRAINING  DN80 Overflow degasser  Filling / Emptying elbow DN80 + coupling + plug  Filling / Emptying DN50 Monobloc valve 1/2 turn PPG + coupling + plug  Filling / Emptying DN80 Monobloc valve 1/2 turn PPG + coupling + plug  Filling / Emptying DN100 Monobloc valve 1/2 turn PPG + coupling + plug  Filling / Emptying elbow DN50 Monobloc valve 1/2 turn PPG + coupling + plug  Filling / Emptying DN50 Stainless steel valve 1/2 turn + coupling + plug We can supply symmetrical, steel or carbon couplings.	SMOOTH OUT THE SMALL VARIATIONS OF THE PLATFORM  Geotextile INSULATE SIDE VALVES FROM COLD  Thermal valve protection SECURE YOUR INSTALLATION BY LOCKING UP ACCESS TO YOUR FERTILIZER  Padlock valve DN50, DN80 or DN100 MAKE THE CONNECTION TO THE TANK EASIER  Valve support (strongly recommended for large diameter valves or in case of permanent gear connection)  Filling hose clamped 5 m, 10 m or 15 m length Available in DN50 and DN80
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Do you have other questions about storing your fertiliser in a flexible tank?
Check our FAQs, available on our website by scanning this QR code:

Expert Advice

How is our one-piece polypropylene valve more efficient than a traditional valve?
 Exclusively developed by our technical department, the one-piece valve polypropylene is fully welded to its flange to ensure a perfect fit, a perfect sealing.
 When connecting to the tank, the stress exerted by users on the valve caused accelerated wear of the seat located between the valve and the flange. By welding the two parts together, the valve remains attached to its base and becomes completely leak-proof. Lighter than stainless steel, polypropylene is also more resistant to corrosion.
 Our unique design, tested and approved by our customers for more than ten years, has therefore permanently eliminated the risk of leakage, thus offering a total peace of mind to our customers.




Площадка и монтаж

- Идеално равна, хоризонтална, чиста и стабилна основа.
- Без остри или пробиващи елементи.
- Площадката трябва да поеме натоварването на пълния резервоар без слягане и ерозия.
- Надземните връзки към резервоара се изпълняват с гъвкави тръби или маркучи.
- Размерът на площадката е размерът на празния резервоар плюс необходимото обслужващо пространство.

Агроекспертс осигурява техническо оразмеряване и координация на монтажа за конкретния обект.

INSTALLATION

How can you be sure that your installation will be 100% compliant?

Our flexible tanks are very easy to install. They do not require any special maintenance or upkeep.

In order to better assist our customers, we offer a **"Turnkey" service** for the installation of our products **MIL** (Maintenance and Installation).

Recommendations for installation

The platform

The installation of flexible tanks requires a perfectly flat, clean and stable horizontal surface, with no perforating elements, with the dimensions of the empty tank + 2.00 m in length and width. It must be able to support the weight of the full tank without overflowing (+/- 2.5 tonnes per m²), or ending any **aboveground connection** to a flexible tank must be made by flexible piping (conspicuous hose).

Retention

In addition to our flexible tanks, we recommend the **installation of a retention system**, provided either by an embankment pit or by a basin on a low wall.

Specific documentation is available on request.

MIL: our installation service

Thanks to a dedicated team and qualified partners, our MIL service comes into play to guarantee a **100% compliant installation**. Relying on the MIL means ensuring the overall management of your order and thus: **guaranteeing the compliance and safety** of your installation, by committing to our responsibility.

INVENTOR OF THE FLEXIBLE TANK

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