



# 1.23

EMILIANA-SERBATOI-CATALOG

Always one step ahead

UN PASSO AVANTI A TUTTI



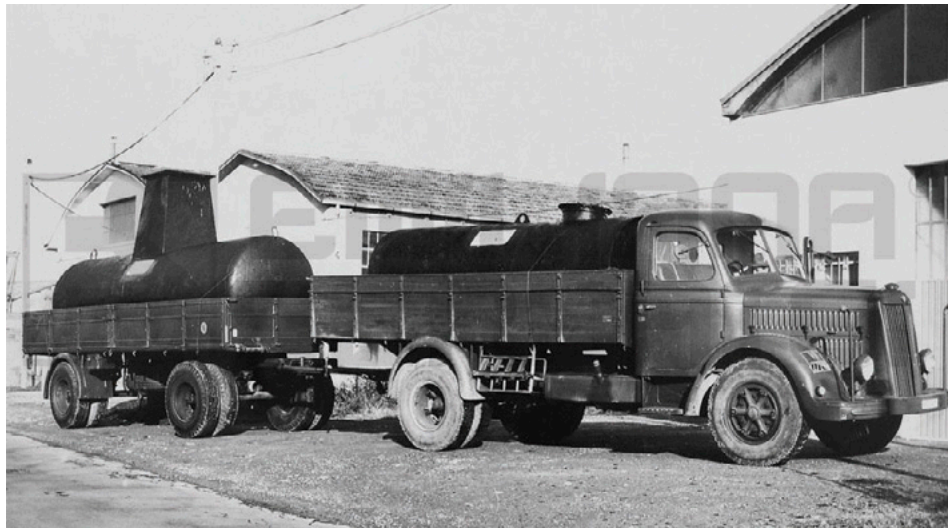




# Azienda Company

Quarant'anni di storia aziendale: duro lavoro, intuizioni e innovazioni, proposte e affari, viaggi e fiere. Un'attività fremente che ci ha portato a raggiungere eccellenti risultati e consolidare una leadership internazionale nella produzione di serbatoi e sistemi di stoccaggio, trasporto e distribuzione del carburante, oltre che nei sistemi di controllo e gestione dei rifornimenti. Abbiamo costruito un'identità forte, basata su valori condivisi diventati il nostro marchio di fabbrica: cultura del lavoro, dedizione, qualità, legame con il territorio e la comunità. Un Dna che si è rafforzato negli anni e diffuso tra tutti i nostri collaboratori.

*Hard work, intuitions and innovations, bids and deals, trips and exhibitions have made the history of our company over these forty years. This exciting activity has led us to both reach excellent results and reinforce our leadership worldwide in the sector by means of producing any type of tanks for the storage, transport and delivery of petroleum products, in addition to refueling control and management systems. We have built a strong identity based on shared values and principles that have become the company's trademark: work culture, total commitment, quality and the bond with both the territory and the community. Over the years this DNA has become stronger and has successfully spread among our employees, management and stakeholders.*



Lavoriamo con impegno e passione per consolidare un'azienda che ha sempre mantenuto livelli di eccellenza per qualità dei prodotti, ottimizzazione dei processi, sicurezza nell'ambiente di lavoro ed attenzione al cliente. Avanguardia tecnologica, rete vendita, prodotti innovativi, servizi e assistenza tecnica sono i nostri punti d'eccellenza. Siamo determinati ad andare avanti, pronti a raggiungere nuovi obiettivi. Investiremo nella ricerca, perché la curiosità e la capacità d'innovare per captare nuove esigenze e opportunità ci hanno fatto diventare ciò che siamo. Diventeremo più internazionali, presidinando i cinque continenti e sviluppando prodotti che ci consentano di arrivare più lontano e aumentare la nostra quota export, pur mantenendo la nostra distintiva attenzione e il nostro vivo interesse nei confronti del mercato interno. Forniremo servizi sempre rispondenti alle nuove esigenze e proporremo soluzioni economiche e rispettose dell'ambiente. Metteremo sempre in primo piano il rispetto delle risorse umane e le relazioni strette e durature con i partner industriali e commerciali. Ci attendono sfide stimolanti: globalizzazione, normative in continua evoluzione, instabilità dei mercati. Emiliana Serbatoi ha le competenze, la storia, la squadra e la formula giusta per superare gli ostacoli e crescere. Continuando ad essere innovatori, punto di riferimento per il settore, un passo avanti a tutti: **always one step ahead.**

*We work with diligence and enthusiasm in order to strengthen our company, which has always been at the top for what concerns the quality of the products. We have always been committed to maximizing processes, assuring health, safety and continual education to our employees and holding dear the expectation and needs of our customers. A state-of-the-art technology, innovative products, a well-organized sales network and technical assistance are our flagships. We are determined to go ahead, ready to achieve new goals: we are what we are as we have always been curious and able to innovate with the aim of catching new requirements and opportunities. This is why we invest in research. We want to reach the global market and be more present in all the five continents; we want to create products that will allow us to increase our export market shares. We are going to provide products and services to meet market expectations and offer cost effective solutions with due regard for the environment. We are going to place in the foreground both the respect for human resources and the closest and enduring relationships with our commercial and industrial partners. Globalization, evolving regulations and market instability are our next stimulating challenges. Emiliana Serbatoi has the appropriate competence, the technical knowledge, the team and the right formula to overcome new obstacles and expand its leadership. We want to keep innovating and to be a benchmark for the sector, in other words to be **always one step ahead.***





# Le persone

## People

Se la tecnologia è uno dei fattori di successo di Emiliana Serbatoi, la componente umana è stata e sarà la vera ricchezza dell'azienda. Il successo dell'azienda nasce indubbiamente dall'esperienza e dalle idee dei fondatori ed ha avuto la sua massima espressione grazie al fattore umano ovvero attraverso l'impegno e la professionalità di tutti i suoi collaboratori.

Il fattore umano rappresenta una forza autentica e genuina che ha accompagnato lo sviluppo di Emiliana Serbatoi mantenendo inalterato un senso di familiarità basato sui principi fondanti della filosofia aziendale; ne deriva uno spiccato spirito di appartenenza degli oltre 70 dipendenti, che condividono strategie e obiettivi sentendosi parte integrante dell'azienda.

*On one hand technology is playing a key role in the success of Emiliana Serbatoi but on the other one, its people represent the real asset of the company. The founders' expertise and ideas as well as the diligence and professionalism of the employees represent the basis of the company success.*

*Our people make up a genuine force that has gone along with the development of Emiliana Serbatoi keeping intact the sense of familiarity based on the principles that characterize the company philosophy. This has promoted the creation of a strong sense of belonging among more than seventy employees, who share both strategies and goals, making them feel a fundamental part of the company.*



# La produzione

## Production

L'esperienza pluridecennale a contatto con le problematiche dello stoccaggio di liquidi di varia natura, in particolare di prodotti petroliferi ed alimentari, ha permesso a Emiliana Serbatoi di sviluppare una significativa gamma di soluzioni e proposte per soddisfare le più diverse necessità d'uso.

Sia la produzione che tutte le attività di progettazione e sviluppo sono informatizzate ed integrate, permettendo una riduzione dei tempi necessari alla veicolazione delle informazioni e una efficace gestione del processo tecnico-produttivo.

*Over 40-years experience of working in contact with issues related to the storage of different kind of liquids, especially fuel products and foodstuff, has allowed Emiliana Serbatoi to develop a wide product range and solutions, not only to meet but exceed the most restrictive needs and legal requirements..*

*The manufacturing process as well as the design and development activities are computerized, integrated and controlled by our structured project methodology. This allows the company to both transmit the information rapidly and manage the technical-productive process efficiently and effectively.*







# Il futuro

## The future

Emiliana Serbattoi è una azienda che ha lo sguardo rivolto al futuro e, anche nell'anno del quarantennale, già mira ad affrontare i prossimi 40 anni, studiando per approcciarli nella maniera più adeguata. Negli ultimi anni la tecnologia ha preso sempre più piede nei prodotti realizzati, oltre che nei processi produttivi: questa è stata una sfida vinta, perché la nostra azienda ha saputo evolversi cogliendo l'evoluzione dei mercati e soprattutto dei tempi. La tecnologia sarà un fattore fondamentale in futuro, così come lo sarà la ricerca di soluzioni aggiornate e sostenibili nel settore dello stoccaggio e dell'erogazione dei carburanti e dei liquidi in generale. Il progetto è ambizioso, il più grande forse tra quelli affrontati finora, ed Emiliana Serbattoi è pronta ancora una volta a fare leva su un passato straordinario per costruire un futuro ancora più luminoso, mettendosi in campo oggi per progettare gli strumenti che potranno utilizzare i clienti di domani. L'obiettivo è quello di continuare a crescere insieme, nel segno della modernità produttiva basata su quell'eccellenza industriale che da sempre caratterizza l'azienda, pronti allo sviluppo del mondo e dei mercati.

*Emiliana Serbattoi is a company with its vision towards the future and even in the year of its fortieth anniversary, it is already focusing on the next forty year, with a long term view. In the last few years, technology has taken an increasingly strong foothold, both in the products design and in the production processes. Our company has not just risen to meet this challenge, we have also learnt how to evolve, by tapping into market development and keeping abreast with the times. Technology will be a fundamental factor in the future, as will the quest for improved, sustainable storage and distribution solutions for fuel and liquids in general. The project is ambitious, perhaps the biggest we have taken on so far, but Emiliana Serbattoi is once again ready to leverage its outstanding achievements in the past to build a brighter future, by taking up the challenge of designing tools that tomorrow's customers can use. The goal is to continue to grow together on the path to modern production processes based on the industrial excellence that has always been the company's defining feature. Emiliana Serbattoi is ready to take on world and market development.*



# La qualità

## Quality

La ricerca e il controllo della qualità dei prodotti e della filiera produttiva è da sempre una prerogativa per Emiliana Serbatoi. Con questo obiettivo l'azienda si è attivata per ottenere nel corso degli anni le principali certificazioni a livello internazionale, dedicando un'intera area aziendale al monitoraggio delle fasi processuali per verificarne la conformità agli standard prefissati. Il sistema qualità, infatti, è certificato dal TÜV in conformità alla norma UNI EN ISO 9001:2015, che descrive e obbliga le aziende a rispondere a severi standard sia nell'organizzazione aziendale sia nel processo produttivo.

Emiliana Serbatoi collabora inoltre con alcuni Governi, in diverse regioni del mondo, sul fronte della sicurezza antincendio dei prodotti adibiti allo stoccaggio di gasolio. Pluriennale è anche la collaborazione con enti internazionali di controllo come Bureau Veritas, che certificano, a seconda dei prodotti, la corrispondenza alle omologazioni dei prodotti adibiti al trasporto di merci pericolose e infiammabili e la conformità a alle norme internazionali.

Tra le diverse regolamentazioni e normative internazionali, in conformità alle quali Emiliana Serbatoi costruisce i suoi serbatoi, c'è pure UL 142, norma tecnica statunitense che definisce le caratteristiche dei serbatoi fuori terra in acciaio per liquidi infiammabili e combustibili; si tratta di una norma che, oltre agli Stati Uniti che la recepiscono, risulta necessaria in alcuni Paesi per poter commercializzare prodotti sicuri sia nell'utilizzo sia per gli utilizzatori. Inoltre, è presente anche la certificazione ASIT che attesta, anche per conto dell'amministrazione federale e cantonale della Svizzera, le caratteristiche di sicurezza e di corretto funzionamento degli impianti tecnici di alcuni modelli proposti da Emiliana Serbatoi.

I prodotti di Emiliana Serbatoi seguono, naturalmente, le diverse normative di sicurezza del prodotto stesso, a partire dalla "Normativa macchine", che assicura la sicurezza elettrica e meccanica di tutti i prodotti attestandola col marchio CE. L'applicazione di questo marchio presuppone l'opportuno sviluppo del fascicolo tecnico, di manuali e di test di sicurezza.

Infine, l'azienda è certificata "Cribis Prime company", ovvero presenta il riconoscimento da parte di Cribis, società del Gruppo Crif specializzata nella fornitura di informazioni commerciali su soggetti italiani ed esteri, della qualità dell'azione commerciale-finanziaria espressa.

*Emiliana Serbatoi's main objective is to offer the best solutions to customers, in terms of reliable, safe and effective products in its range of fuel tanks and storage systems. This is further achieved by following directions from the markets, thus by always paying the utmost attention to the needs expressed by the company's commercial partners all around the world. On this avant-garde pathway, the synergies developed with the dealers and subjects present within the various local markets proves fundamental in supporting actions aimed at presiding over the international markets, thus allowing the company to be ready for and, indeed, even anticipate the solicitations and requests coming from the five continents.*

*Within this context, it is necessary to offer products and services that satisfy the main international certifications. It is precisely in pursuit of this goal that Emiliana Serbatoi has long been committed to ensuring that the research and quality control behind its products and the entire production chain maintain the same levels of excellence. For this reason, an entire company division is dedicated to monitoring the procedural stages so as to verify compliance with the established standards. Indeed, the Quality system is certified by the TÜV in compliance with the UNI EN ISO 9001:2015 standard, which informs and obliges companies regarding the strict standards to be met both in the company organisation and in the production process.*

*What's more, Emiliana Serbatoi collaborates with various governments in a number of regions around the world, with regard to the fire safety of products utilised for storing diesel oil. There is also an ongoing alliance with international control bodies such as Bureau Veritas which, depending on the products, certify correspondence with the approval of products utilised for transporting dangerous and flammable goods and compliance with international standards.*

*Amongst the various international regulations and standards adopted is the UL 142, a US technical standard that defines the characteristics of above-ground steel tanks for storing flammable and combustible liquids. In addition to the United States where this standard has been adopted, it is also a requirement in other countries in order to sell products that are safe both in terms of use and for users. Additionally, ASIT certification certifies – also on behalf of the federal and cantonal administration of Switzerland – the safety features and correct functioning of the technical systems of certain models offered by Emiliana Serbatoi.*

*Naturally, the tanks and storage systems adhere to the various safety regulations of the product itself, starting with the Machinery Directive that ensures the electrical and mechanical safety of all products, which are certified by their CE marking. Application of this marking presupposes the necessary development of the technical file, manuals and safety tests. Finally, the company is certified as a CRIBIS Prime Company, by way of recognition of the quality of the commercial and financial actions, as expressed by CRIBIS, a CRIF Group company specialised in the provision of commercial information on Italian and foreign subjects.*





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# Q1

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## Transport tanks



# 01

## Transport tanks

ADR Information

Emilcaddy® 55-110

Carrytank® 150

Carrytank® 220

Carrytank® 220 Pick-up

Carrytank® 330

Carrytank® CTK 330

Carrytank® 440

Carrytank® 400+50

Carrytank® Pick-up

Carrytank® CTK 600

Carrytank® CTK 900

Carrytank® CTK 900+100

Carrytank® CTK 220

Hippotank®

Traspo®

Traspo® Inox 330-910

Emilcube®

Tankube

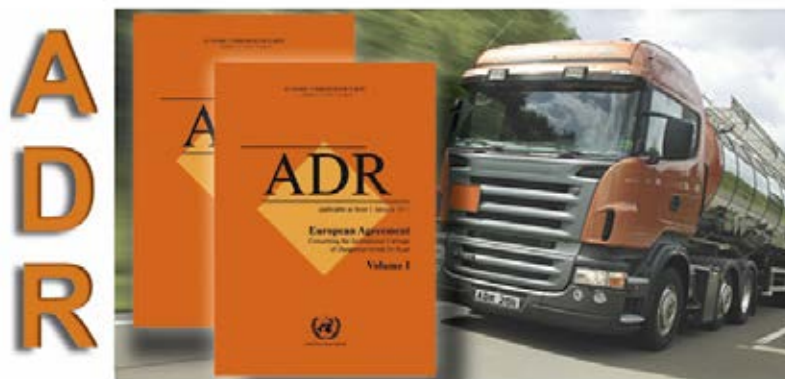
Speedy tank

Steel Jerrycans



# ADR Information

European Agreement concerning the International Carriage of Dangerous Goods by Road.



## Description

The carriage of dangerous goods by road is regulated by an International Agreement (ADR) which is regularly amended and updated every two years. The original agreement was called "The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)" and was signed at Geneva on 30 September 1957. Currently the number of countries which adhere to ADR is 48. The Agreement itself is short and simple. It consists of 17 articles which contain legislative principles and the procedures for Agreement subscription, application and revision, and of two Annexes that list all the instruction and provisions; Annex A contains the conditions for the goods in question, in particular as regards their packaging and labelling, and in Annex B are laid down the provision regarding the construction, equipment and operation of the vehicles carrying the dangerous goods.

In summary ADR regulations concern:

- Classification of dangerous goods with reference to transport by road.
- Dangerous Goods List; special provisions related to dangerous goods packed in limited quantities.
- Packaging and containers provisions.
- Construction and testing of packagings.
- Construction and approval of vehicles.
- Conditions of carriage, loading, unloading and handling.
- Vehicle crews, equipment, operation and documentation.
- Total and partial exemptions.

Dangerous goods are defined on the basis of their properties and are divided into Classes. The Classes of dangerous goods, according to ADR, are the following:

- Class 1 - Explosive substances and articles.
- Class 2 - Gases.
- Class 3 - Flammable liquids.
- Class 4.1 - Flammable solids, self-reactive substances and solid desensitized explosives.
- Class 4.2 - Substances liable to spontaneous combustion.
- Class 4.3 - Substances which, in contact with water, emit flammable gases.
- Class 5.1 - Oxidizing substances.
- Class 5.2 - Organic peroxides.
- Class 6.1 - Toxic substances.



- Class 6.2 - Infectious substances.
- Class 7 - Radioactive material.
- Class 8 - Corrosive substances.
- Class 9 - Miscellaneous dangerous substances and articles.

Packaging Groups are used for the purpose of determining the degree of protective packaging required for Dangerous Goods during transportation. In particular:

- Group I: great danger, and most protective packaging required.
- Group II: medium danger.
- Group III: the transport of dangerous goods does not create a significant risk.

From a quantitative point of view, the dangerous goods more prevalent on the roads are the petroleum products (Class 3 - Flammable liquids), in particular the products with number: UN 1202 (Diesel fuel), UN 1203 (gasoline) and UN1223 (kerosene).

#### EXEMPTIONS:

Annex A, in addition to provisions concerning dangerous substances and articles, specifies the exemptions relative to the transport on road of dangerous goods; in accordance with these exemptions it is possible to carry ADR goods in compliance with the quantities listed in par. 1.1.3.6 without driver with training certificate or safety labeled and equipped vehicle.

In the matter in question these exemptions refer to:

- exemptions related to the nature of the transport operation;
- exemptions related to quantities carried per transport unit.

#### EXEMPTIONS RELATED TO THE NATURE OF THE TRANSPORT OPERATION (TOTAL EXEMPTION PAR. 1.1.3.1 ADR).

(a) The carriage of dangerous goods by private individuals where the goods in question are packaged for retail sale and are intended for their personal or domestic use or for their leisure or sporting activities provided that measures have been taken to prevent any leakage of contents in normal conditions of carriage. When these goods are flammable liquids carried in fillable receptacles filled by, or for, a private individual, the total quantity shall not exceed 60 liters per receptacle and 240 liters per transport unit. Dangerous goods in IBCs, large packagings or tanks are not considered to be packaged for retail sale.

(c) The carriage undertaken by enterprises which is ancillary to their main activity, such as deliveries to or returns from building or civil engineering sites, or in relation to surveying, repairs and maintenance, in quantities of not more than 450 liters per packaging and within the maximum quantities specified in par. 1.1.3.6. Measures shall be taken to prevent any leakage of contents in normal conditions of carriage. These exemptions do not apply to Class 7. Carriage undertaken by such enterprises for their supply or external or internal distribution does not fall within the scope of this exemption.

#### EXEMPTIONS RELATED TO QUANTITIES CARRIED PER TRANSPORT UNIT (PARTIAL EXEMPTION PAR. 1.1.3.6 ADR).

In accordance with this article, transport of dangerous goods can be partially exempt from ADR prescriptions if the quantity carried does not exceed the value indicated in a specific table (1.1.3.6.3). Transports under par. 1.1.3.6 have the following exemptions to the regulations;

- vehicle need not have orange Plates displayed;
- no requirement to have instructions in writing;
- driver does not need ADR Vocational licence, but will need awareness training.

In particular, for petroleum products:

- for goods belonging to Packaging Group II (i.e. gasoline) the maximum quantity carried per transport unit is 333 L;
- for goods belonging to Packaging Group III (i.e. Diesel Fuel, kerosene) the maximum quantity carried per transport unit is 1.000 L.

On the next page you will find the summary tables

## Main features

### IN SUMMARY:

- Partial Exemption: in accordance with par. 1.1.3.6, the maximum quantities which can be carried per transport unit are:

Fuel	Max Quantity	Container Type
Diesel	1.000	UN Approved - ADR Homologated for Dangerous Goods of Class 3 and Packaging Group III.
Gasoline	333	UN Approved - ADR Homologated for Dangerous Goods of Class 3 and Packaging Group II.

- Total Exemption: in accordance with par. 1.1.3.1, the maximum quantities which can be carried are:

- par. 1.1.3.1 a), for private individuals:

Fuel	Max Quantity	Container Type
Diesel and Gasoline	240 L, with a max of 60 L per unit.	Adequate for the purpose.

- par. 1.1.3.1 c), for enterprises:

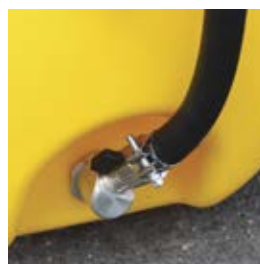
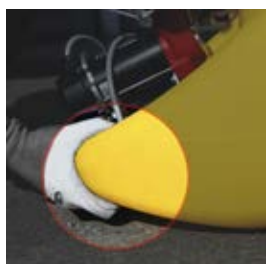
Fuel	Max Quantity	Container Type
Diesel	1000L, with a max of 450 L per unit.	Adequate for the purpose.
Gasoline	333	Adequate for the purpose.





# Emilcaddy® 55-110

Polyethylene mobile tanks for Diesel, gasoline and oil transport



## Description

Tanks made in roto-molded linear polyethylene, ideal for the refueling of small and light operating vehicles or crafts. The tank has the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). Featuring a unique design with ergonomic grip for excellent handling and lifting, Emilcaddy is equipped with puncture proof wheels designed to be driven on any surface. In addition to lightness and handiness, the structure, devoid of sharp edges, and the reinforcement ribs confer great strength and resistance. Emilcaddy can be filled either horizontally or vertically with the same amount of fuel. The tank is equipped with a filling plug with integrated air vent device and a safety ball valve set up on the suction/drain point. Emilcaddy line, thanks to its features, represents an optimal and safe solution for refueling operations both in professional fields and in sport or leisure activities. AdBlue/DEF version is also available: for information please refer to AdBlue®/DEF section.

## Main features

- Top handle for easy gripping and lifting.
- Integrated recesses for securing with ratchet lashing straps.
- Suction/drain safety ball valve.
- Filling plug with integrated non-spill vent.
- Lower handle for manual lifting operations.
- Puncture proof wheels and foot support.
- Front nozzle holder.
- Manual and electric pump support

## Outfittings

Emilcaddy® for DIESEL fuel (Yellow version), available with:

- Manual rotary vane pump made in aluminum with manual nozzle and 3 m of hose. (A)
- DC battery pump 12 V or 24 V, flow rate 40 L/ min, with 4 m electric cable, clamps for the battery connection and manual nozzle with 3 m of hose. (C)
- DC battery pump 12 V or 24 V, flow rate 40 L/min, with 4 m electric cable, clamps for the battery connection and automatic nozzle and 3 m of hose. (C)

Emilcaddy® for GASOLINE (Black Version), available with:

- Manual rotary vane pump made in aluminum, suitable for Gasoline and complete with manual nozzle and 3 m of fuel hose.
- Manual piston pump, ATEX certified, complete with 4 m of grounding cable and clamp, manual nozzle and 3 m of antistatic hose. (B)
- DC electric pump 12 V, flow rate 45 L/min, ATEX certified complete with 4 m of grounding cable and clamp, manual nozzle and 3 m of antistatic hose. (D)
- DC electric pump 12 V, flow rate 45 L/min, ATEX certified complete with 4 m of grounding cable and clamp, automatic nozzle and 3 m of antistatic hose. (D)

Emilcaddy® for ETHANOL (Black Version), available with:

- Manual piston pump, ATEX certified, complete with 4 m of grounding cable and clamp, manual nozzle and 3 m of antistatic hose. (B)

## Accessories



Lead-acid battery with battery charger  
(European plug type C)



Manganese 12V battery with battery  
charger (European plug type C) and  
battery slot



Manganese 12V battery with battery  
charger (cigarette lighter plug) and  
battery slot



ATEX battery with battery charger  
(European plug type C)



Digital flow meter for gasoline K24  
ATEX



Digital fuel meter, mod. M24, for  
Diesel Fuel



Strainer filter stainless steel

For diesel and gasoline. Impurity  
filtration. Filter capacity 60µm. Flow  
rate 50 l/min.



ES Filter

For diesel and gasoline. Water  
absorption and impurity filtration. Filter  
capacity 10µm. Flow rate 70 l/min.





## Folding Tray

Portable flexible spill containment tray

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Empty weight, approved gasoline version (kg)
EM55	55	460	360	900	8	9
EM110	110	460	440	1,100	12	13

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
EM55	72	176	176	208
EM110	72	176	176	208

## Product code

### Emilcaddy 55-110

EM	X	X	X	X
<b>Model</b> EM = Emilcaddy	<b>Fuel</b> G = Diesel B = Gasoline K = Diesel and gasoline homologated	<b>Volume</b> 55 = 55 l 110 = 110 l	<b>Pump</b> M = Rotary A = 40 l/min H = Piston pump E = Atex	<b>Nozzle</b> A = Diesel manual B = Gasoline manual C = Automatic 60 l/min E = Automatic Atex 60 l/min

Not all combinations are available

## Approval



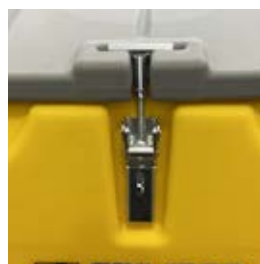
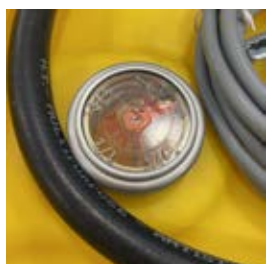
Transportable materials	Diesel / UNI1202 Gasoline / UNI1203 Ethanol / UNI1170*
Classes ADR	3
Packaging group	II - III



# Carrytank® 150

Polyethylene tank for fuel transport

NEW



## Description

The CARRYTANK® 150, is a transportable tank for diesel produced in linear polyethylene with rotational molding, designed and conceived to be as compact as possible and to have the best external dimensions/useful capacity ratio existing on the market; this allows it to be used in pick-ups with or without a bed cover, the transport with all the most common vehicles and facilitates the shipment. Homologated version for diesel or homologated version for gasoline is available. AdBlue®/DEF version is also available.



## Main features

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The tank, despite its compact size, is equipped with:

- padlockable lid and reinforced closure
- aluminum filling plug
- safety valve
- transfer unit
- forklift pockets for lifting handles for lifting when empty
- recesses for securing straps to the support base
- level guage
- inserts in aluminum or material compatible with Diesel fuel.

## Outfittings

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Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery nconnection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

Standard configuration model AC (homologated version)

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable with bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

Gasoline version:

Tank made in a specific material able to confer safety warranty and chemical resistance to the aggression of all types of petrols. It is provided with a volumetric pump 30 l/min, 12 V battery operated ATEX certified and provided with 4 m of grounding wire and clamp. This tanks is also equipped with an automatic nozzle and 4 m of rubber hose for gasoline.

## Accessories

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**Drip Tray**



**Digital flow meter for gasoline K24 ATEX**



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT150	150	985	585	465	9	23	35

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CT150	80	168	210	260

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> G = Diesel K = Diesel and gasoline homologated	<b>Volume</b> 150 = 150 l	<b>Pump</b> A = 40 l/min J = 30 l/min Atex	<b>Nozzle</b> C = Automatic 60 l/min E = Automatic Atex 60 l/min

Not all combinations are available

## Approval



Transportable materials	Diesel / UNI1202 Gasoline / UNI1203
Classes ADR	3
Packaging group	II - III



# Carrytank® 220

Light and compact transportable Diesel fuel tank equipped with a fuel transfer unit.



## Description

Polyethylene tank for fuel transport, in exemption from ADR according to paragraph 1.1.3.1.C.

Complete with a new covering lid which guarantees improved strength, portability and resistance.

Gasoline version is available. AdBlue®/DEF transport version is also available: for more information please refer to AdBlue®/DEF section.

## Main features

- filling plug with built-in air vent device
- in-line filter
- fuel transfer unit
- automatic lockable fuel nozzle
- integrated forklift pockets (full tank)
- handles for lifting and carrying (empty tank)
- integrated recesses for securing with ratchet lashing straps during transport
- all the fittings are made of aluminum or materials compatible with Diesel fuel.



## Outfittings

### STANDARD CONFIGURATION:

- Aluminum filling plug, size 2", equipped with emergency vent valve (air vent valve).
- In-Line filter.
- DC fuel transfer pump (12 V or 24 V), flow rate 40 L/min.
- Battery power cable (6 m) with clamps.
- 4 m of rubber hose suitable for fuel.
- Automatic fuel nozzle.

## Accessories



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**



**Lid for Carrytank® 220**

Polyethylene covering Lid, integrated in the tank's structure and manufactured in rotational molding.



**Retention Basin for Carrytank**

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.



**Folding Tray**

Portable flexible spill containment tray



**Digital fuel meter, mod. M24, for Diesel Fuel**



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**Manganese 12V battery with battery charger (European plug type C) and battery slot**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT220	220	600	910	665	5	14	24

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CT220	54	132	132	156

## Product code

CT	X	X	X	X
Model	Fuel	Volume	Pump	Nozzle
CT = Carrytank	G = Diesel	220 = 220 l	A = 40 l/min	C = Automatic 60 l/min

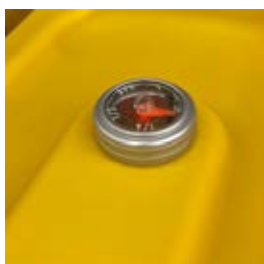
Gasoline not salable in Italy



# Carrytank® 220 Pick-up

Polyethylene tank for Diesel fuel transport on pick-up vehicles, in exemption from ADR

NEW



## Description

The CARRYTANK 220 pick-up, an evolution of our CARRYTANK 220, is a transportable diesel fuel tank made from roto-molded linear polyethylene. The 220 pickup tank can be placed inside the body of a pickup vehicle and remain below the height of the side boards, allowing the installation of the most common closures for bodies. Due to this it's sheltered from atmospheric agents such as sun, rain or snow giving product a longer life. Drawing on its considerable experience, ES has also optimized the dimensions of the tank for international transport. Homologated diesel version is also available.

## Main features

- made from roto-molded linear polyethylene
- reinforced padlockable lid and reinforced closures.
- level indicator for fitting the most common filtering systems
- aluminum filling plug
- safety valve
- transfer unit
- forklift pockets for lifting
- handles for lifting when empty
- recesses for securing straps to the support base
- all inserts are made of aluminum or diesel fuel-compatible material.

## Outfittings

### Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- For the exempted version: 6 metres of electric cable and clamps for battery connection.
- For the homologated version: 6 metres of electric cable and bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

### Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

### Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min
- 4 m of hose.
- Automatic nozzle.
- For the exempted version: 6 metres of electric cable and clamps for battery connection.
- For the homologated version: 6 metres of electric cable and bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

## Accessories



Drip Tray



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Digital fuel meter, mod. M24, for Diesel Fuel

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Base width (mm)	Depth (mm)	Base depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTP220	220	1,155	1,050	805	720	450	7	19	31



## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTP220	70	140	168	192

## Product code

CTP	X	X	X	X
<b>Model</b> CTP = Carrytank pickup	<b>Fuel</b> G = Diesel K = Diesel homologated	<b>Volume</b> 220 = 220 l	<b>Pump</b> A = 40 l/min B = 55 l/min Z = 40 l/min dual voltage 12/24V	<b>Nozzle</b> C = Automatic 60 l/min

Not all combinations are available

## Approval

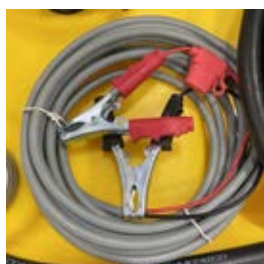


Transportable materials	Diesel / UN11202
Classes ADR	3
Packaging group	II - III



# Carrytank® 330

Polyethylene tank for Diesel and gasoline fuel transport equipped with a fuel transfer unit



## Description

Carrytank® 330 and 440 are tanks made in linear polyethylene designed for Diesel fuel transport; it is equipped with the following fittings: lockable lid, filling plug, with integrated air vent device, level indicator, in-line filter, fuel transfer unit, automatic fuel nozzle, built-in forklift pockets (full tank), handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport. All the fittings are made of aluminum or materials compatible with Diesel fuel. AdBlue®/DEF transport version is also available: for more information please refer to AdBlue®/DEF section. Carrytank 330 is also available for Gasoline transport with certified Atex pump and certified Atex nozzle or manual nozzle. Not available in Italy.

## Outfittings

Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24 V), flow rate 60 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to 230v supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

## Accessories



**Retention Basin for Carrytank**

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.



**Drip Tray**



**Manganese 12V battery with battery charger (European plug type C) and battery slot**



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT330	330	1,200	800	650	6,5	32	44



Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CT330	30	66	88	100

Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> G = Diesel	<b>Volume</b> 330 = 330 l	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Gasoline not available for the Italian market - Not all combinations are available



# Carrytank® CTK 330

Polyethylene tank for fuel transport

NEW



## Description

Carrytank CTK 330 is the new 330-liter polyethylene tank with padlockable lid for transporting gasoline or diesel. The CTK 330 is based on the long track record of ES in the development of tanks in the digital environment; the tank, made entirely of polyethylene, is capable of storing and transporting up to 330 liters of diesel fuel or gasoline in complete safety, complying with the tests required by ADR (road transport), IMDG (sea transport), AND (transport on inland waters) and RID (rail transport). The innovative aspect of the CARRYTANK® 330 is its design developed entirely in a digital environment, using a technology that originated with the CARRYTANK 900+100 and was fully developed within ES. It is designed and tested to withstand the pressure created during the transport of fuels and to ensure airtightness even after repeated drops under full load at every angle.

## Main features

It is compatible with the most common filtration systems and comes with aluminum filling plug, safety valve, level gauge, transfer unit, forklift pockets for lifting, handles for lifting when empty, and recesses for securing straps to the support base. Diesel version is also available.

## Outfittings

### GASOLINE OUTFITTINGS

#### Configuration model EE:

- 12V Pump mod. EX50 12V ATEX Certified, flowrate 45 lit/min.
- 4 mt antistatic hose.
- ATEX automatic nozzle.
- 5 mt electrical cable with bipolar connector.
- 4 mt grounding cable with crocodile clamps.
- Optional: ATEX digital flow meter.
- Optional: water separator filter.

### DIESEL FUEL OUTFITTINGS

#### Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min
- 4 m of hose.
- Automatic nozzle.
- 4 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

## Accessories



Digital fuel meter, mod. M24, for Diesel Fuel



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



Digital flow meter for gasoline K24 ATEX





Drip Tray

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTK330	330	1,295	885	655	11	53	65

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTK330	30	66	88	100

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> K = Diesel and gasoline homologated	<b>Volume</b> 330 = 330 l	<b>Pump</b> A = 40 l/min E = Atex 50 l/min B = 55 l/min D = 60 l/min Z = 40 l/min dual voltage 12/24V	<b>Nozzle</b> C = Automatic 60 l/min E = Automatic Atex 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval

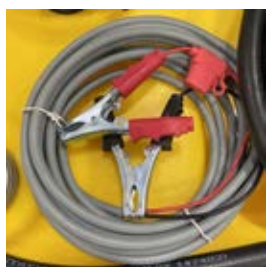


Transportable materials	Diesel / UNI1202 Gasoline / UNI1203
Classes ADR	3
Packaging group	II - III



# Carrytank® 440

Polyethylene tank for Diesel fuel transport equipped with a fuel transfer unit.



## Description

Carrytank® 330 and 440 are tanks made in linear polythylene designed for Diesel fuel transport; it is equipped with the following fittings: lockable lid, filling plug, with integrated air vent device, level indicator, in-line filter, fuel transfer unit, automatic fuel nozzle, built-in forklift pockets (full tank), handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport. All the fittings are made of aluminum or materials compatible with Diesel fuel. AdBlue®/DEF transport version is also available: for more information please refer to AdBlue®/DEF section. Carrytank 330 is also available for Gasoline transport with certified Atex pump and certified Atex nozzle or manual nozzle. Not available in Italy.

## Outfittings

Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24 V), flow rate 60 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to 230v supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

## Accessories



**Manganese 12V battery with battery charger (European plug type C) and battery slot**



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**



**Retention Basin for Carrytank**

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.



**Drip Tray**



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT440	440	1,200	800	785	6,5	40	52



Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CT440	33	75	75	102

Product code

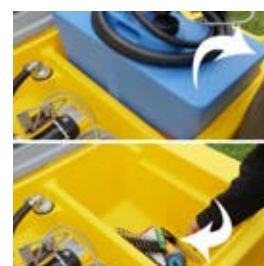
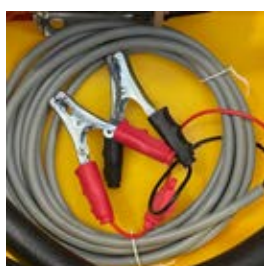
CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> G = Diesel	<b>Volume</b> 400 = (400 l + toolbox) 440 = 440 l	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Gasoline not available for the Italian market - Not all combinations are available



# Carrytank® 400+50

Polyethylene and combined tank for Diesel fuel and AdBlue transport equipped with a fuel transfer unit



## Description

Carrytank® 400+50 is a tank made in linear polyethylene designed for Diesel fuel and AdBlue®/DEF transport; it is equipped with the following fittings: reinforced lockable lid, filling aluminium plug for Diesel compartment and filling polyethylene plug for AdBlue®/DEF compartment, with integrated air vent device, level indicator, inline filter, fuel transfer unit, automatic fuel nozzle, built-in forklift pockets (full tank), handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport.

## Outfittings

### Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24 V), flow rate 40 l/min for Diesel compartment.
- Submersible pump 12V, flow rate 15 l/min for AdBlue®/DEF compartment.
- 4 m of hose for Diesel fuel and 4 m of hose for AdBlue®/DEF.
- Automatic nozzle for Diesel fuel and manual nozzle for AdBlue®/DEF.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter for Diesel fuel, mod. M24.
- Optional: water separator filter for Diesel fuel.

### Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24 V), flow rate 60 l/min for Diesel compartment.
- Submersible pump 12V, flow rate 15 l/min for AdBlue®/DEF compartment.
- 4 m of hose for Diesel fuel and 4 m of hose for AdBlue®/DEF.
- Automatic nozzle for Diesel fuel and manual nozzle for AdBlue®/DEF.
- 6 m of battery power cable and clamps for battery connection.
- Opt.: digital flow meter for Diesel fuel, mod. M24.
- Optional: water separator filter for Diesel fuel.

### Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min for Diesel compartment.
- Submersible pump 12V, flow rate 15 l/min for AdBlue®/DEF compartment.
- 4 m of hose for Diesel fuel and 4 m of hose for AdBlue®/DEF.
- Automatic nozzle for Diesel fuel and manual nozzle for AdBlue®/DEF.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- 4 m of battery power cable and clamps for battery connection (AdBlue®/DEF).
- Opt.: digital flow meter for Diesel fuel, mod. M24.
- Optional: water separator filter for Diesel fuel

## Accessories



Digital fuel meter, mod. M24, for Diesel Fuel



Drip Tray



Retention Basin for Carrytank

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.



Digital flow meter for AdBlue K24



Strainer filter stainless steel

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



Automatic nozzle for AdBlue®



Automatic nozzle for AdBlue® with integrated flow meter.



Manganese 12V battery with battery charger (European plug type C) and battery slot



Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot

## Technical data

Model	Diesel capacity (lt)	AdBlue® capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT405	400	50	1,200	800	785	6,5	45	57

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CT405	33	75	75	102

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> G = Diesel	<b>Volume</b> 405 = (400 l diesel + 50 l adblue)	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available





# Carrytank® Pick-up

Polyethylene tank for Diesel fuel transport on pick-up vehicles, in exemption from ADR



Carrytank 220 pick-up



Carrytank 330 pick-up



Carrytank 440 pick-up



Carrytank 400+50 pick-up

## Description

The special product line "Pick-up" which includes models Carrytank® 330, 440 and 400+50 has been properly designed to be easily installed into the back of a pick-up vehicle; this range of tanks is provided with a narrow base to allow the installation between the wheel arches of the back of the pick-up.

## Main features

Equipped with the following fittings: lockable lid, filling plug with integrated air vent device, level indicator (diesel), in-line filter (diesel), fuel transfer unit, automatic fuel nozzle, built-in forklift pockets (full tank), handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport. All the fittings are made of aluminum or materials compatible with Diesel fuel.

AdBlue®/DEF transport version is also available: for more information please refer to AdBlue®/DEF section. Also available for Gasoline transport with certified Atex pump and certified Atex nozzle or manual nozzle. Not available in Italy.

## Outfittings

Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min for Diesel compartment.

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min for Diesel compartment.

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55, flow rate 55 l/min for Diesel compartment.
- 2 m of power cable with Schuko plug for connection to 230V supply (Diesel fuel).

Set-ups common to all configurations:

- Submersible pump 12V, flow rate 20 l/min for Ad- Blue®/DEF compartment. (mod. 400+50 pickup)
- 4 m of hose for Diesel fuel.
- 4 m of hose for AdBlue®/DEF. (mod. 400+50 pickup).
- Automatic nozzle for Diesel fuel
- Manual nozzle for AdBlue®/DEF. (mod. 400+50 pickup).
- 4 m of battery power cable and connection plug.
- Optional: digital flow meter for Diesel fuel, mod. M24.
- Optional: water separator filter for Diesel fuel.

## Accessories



Digital fuel meter, mod. M24, for Diesel fuel



Strainer filter stainless steel

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



Manganese 12V battery with battery charger (European plug type C) and battery slot



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Automatic nozzle for AdBlue® with integrated flow meter.



Retention Basin for Carrytank

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.



Drip Tray



Automatic nozzle for AdBlue®



Digital flow meter for AdBlue K24



Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot

## Technical data

Model	Nominal capacity (lt)	Diesel capacity (lt)	AdBlue® capacity (lt)	Width (mm)	Base width (mm)	Depth (mm)	Base depth (mm)	Highness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CT150	150			985		585		465	23	35
CTP220	220			1,155	1,050	805	720	450	19	31
CTP330	330			1,200	1,010	800	770	700	32	44
CTP440	440			1,200	1,010	800	770	830	40	52
CTP405		400	50	1,200	1,010	800	770	830	45	57

## Product code

CTP	X	X	X	X
<b>Model</b> CTP = Carrytank pickup	<b>Fuel</b> G = Diesel	<b>Volume</b> 330 = 330 l 400 = (400 l + toolbox) 405 = (400 l diesel + 50 l adblue) 440 = 440 l	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Gasoline not available for the Italian market - Not all combinations are available



# Carrytank® CTK 600

Polyethylene tank for fuel transport

NEW



## Description

Carrytank CTK 600 is the new 600-liter polyethylene tank with padlockable lid for transporting diesel fuel or gasoline. The CTK 600, developed in the digital environment, completes the range of the family of type- approved tanks which began with the CARRYTANK 900+100. It is capable of storing and transporting up to 600 liters of diesel fuel or gasoline in complete safety, and complies with the tests required by ADR/IMDG /ADN/RID. It is designed and tested to withstand the pressure created during transport of fuels and to withstand falls at full load even under conditions of extreme temperature. (-20 °C). Gasoline version is also available.

## Main features

It has forklift pockets for lifting from the bottom at full load and 4 certified eyebolts for lifting at full load even from above. It is compatible with the most common filtration systems and comes with aluminum filling plug, safety valve, level gauge, transfer unit, forklift pockets for lifting, handles for lifting when empty, and recesses for securing straps to the support base.



## Outfittings

### DIESEL FUEL OUTFITTINGS

#### Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min
- 4 m of hose.
- Automatic nozzle.
- 4 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

#### Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable with bipolar connector for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

### GASOLINE OUTFITTINGS

#### Configuration model EE:

- 12V Pump mod. EX50 12V ATEX Certified, flowrate 45 lit/min.
- 4 mt antistatic hose.
- ATEX automatic nozzle.
- 5 mt electrical cable with bipolar connector.
- 4 mt grounding cable with crocodile clamps.
- Optional: ATEX digital flow meter.
- Optional: water separator filter.

## Accessories



Drip Tray



Digital flow meter for gasoline K24  
ATEX



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Digital fuel meter, mod. M24, for Diesel Fuel

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTK600	600	1,290	860	940	11	65	77

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTK600	20	44	44	50

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> K = Diesel and gasoline homologated	<b>Volume</b> 600 = 600 l	<b>Pump</b> A = 40 l/min E = Atex 50 l/min B = 55 l/min D = 60 l/min Z = 40 l/min dual voltage 12/24V	<b>Nozzle</b> C = Automatic 60 l/min E = Automatic Atex 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval



Transportable materials	Diesel / UNI1202 Gasoline / UNI1203
Classes ADR	3
Packaging group	II - III



# Carrytank® CTK 900

Polyethylene tank for the transport of fuel (900 litres)



## Description

Carrytank® 900 a polyethylene tank for the transport of diesel fuel (900 litres) with lockable lid.

The new tank with patent pending has successfully passed the toughest stress tests in order to obtain the ADR/RID/ADN and IMDG approval for fuel transport:

- Drop test
- Vibration test
- Hydraulic pressure test
- Pneumatic pressure test
- Full load lifting test
- Stackability test at full load

Since it is a tank intended for the transport, the design research has also focused on logistics, with the aim of making its handling faster and more efficient. For this reason, the tank, in addition to the forklift pockets, is also equipped with 4 lifting lugs for lifting tank at full load from above, ensuring full stackability during the storage.

## Main features

Made in linear polyethylene, it is equipped with the following fittings: reinforced lockable lid, filling aluminium plug for Diesel compartment, with integrated air vent device, fuel transfer unit, built-in forklift pockets for lifting fully loaded from below, lifting lugs for lifting fully loaded from above and for fixing fastening straps, new plug-in quick connections. All the fittings are made of aluminium or materials compatible with Diesel fuel.

## Outfittings

Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55, flow rate 55 l/min.
- 2 m of power cable with Schuko plug for connection to 230V supply

Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min

Set-ups common to all configurations:

- 4 m of hose
- Automatic nozzle for Diesel
- 4 m of battery power cable and connection plug.
- Optional: digital flow meter for Diesel fuel, mod. M24
- Optional: water separator filter for Diesel fuel

## Accessories



Digital fuel meter, mod. M24, for Diesel Fuel



Strainer filter stainless steel

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



ES Filter

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



Filter Water captor 70

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



Lead-acid battery with battery charger (European plug type C)



Manganese 12V battery with battery charger (European plug type C) and battery slot



Drip Tray



Retention Basin for Carrytank

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)
CTK900	900	1,530	1,150	910	10



## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTK900	14	30	30	34

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> K = Diesel homologated	<b>Volume</b> 900 = 900 l	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min Z = 40 l/min dual voltage 12/24V	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min



# Carrytank® CTK 900+100

Polyethylene tank for the combined transport of diesel fuel (900 litres) and AdBlue®/DEF (100 litres)



## Description

Carrytank® 900+100 IS a polyethylene tank for the combined transport of diesel fuel (900 litres) and AdBlue/DEF (100 litres) with lockable lid.

Carrytank® 900+100 is the most performing tank available on the market, made in polyethylene, aimed at storing and transporting up to 900 litres of diesel fuel and 100 litres of AdBlue®/DEF in the same container.

The new tank with patent pending has successfully passed the toughest stress tests in order to obtain the ADR/RID/ADN and IMDG approval for fuel transport:

- Drop test
- Vibration test
- Hydraulic pressure test
- Pneumatic pressure test
- Full load lifting test
- Stackability test at full load

The innovation of Carrytank® 900+100 is "hidden" inside: two combined tanks (diesel fuel and AdBlue®/DEF) designed and tested to resist the pressure created by the maximum volume of fuel contained. Since it is a tank intended for the transport, the design research has also focused on logistics, with the aim of making its handling faster and more efficient. For this reason, the tank, in addition to the forklift pockets, is also equipped with 4 lifting lugs for lifting tank at full load from above, ensuring full stackability during the storage.

Carrytank® 900 version available.

## Main features

Made in linear polyethylene, it is equipped with the following fittings: reinforced lockable lid, filling aluminium plug for Diesel compartment and filling polyethylene plug for AdBlue®/DEF compartment, with integrated air vent device, fuel transfer unit, built-in forklift pockets for lifting fully loaded from below, lifting lugs for lifting fully loaded from above and for fixing fastening straps, new plug-in quick connections. All the fittings are made of aluminium or materials compatible with Diesel fuel and AdBlue®/DEF.

## Outfittings

Standard configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min for Diesel compartment.

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min for Diesel compartment.

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55, flow rate 55 l/min for Diesel compartment.
- 2 m of power cable with Schuko plug for connection to 230V supply (Diesel fuel).

Set-ups common to all configurations:

- Submersible pump 12V, flow rate 20 l/min for Ad-Blue®/DEF compartment.
- 4 m of hose for Diesel fuel and 4 m of hose for AdBlue®/DEF.
- Automatic nozzle for Diesel fuel and manual nozzle for AdBlue®/DEF.
- 4 m of battery power cable and connection plug.
- Optional:
  - digital flow meter for Diesel fuel, mod. M24
  - digital flow meter for AdBlue®/DEF, mod. K24
  - automatic nozzle for AdBlue®/DEF
  - water separator filter for Diesel fuel

## Accessories



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Manganese 12V battery with battery charger (European plug type C) and battery slot**



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**



**Drip Tray**



**Retention Basin for Carrytank**

Retention basin for ground use, 100% tank's volume capacity, made in carbon steel.

## Accessories AdBlue



Digital flow meter for AdBlue K24



Automatic nozzle for AdBlue®

## Technical data

Model	Diesel capacity (lt)	AdBlue® capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTK910	900	100	1,530	1,150	910	10	100	112

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTK910	14	30	30	34

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> K = Diesel homologated	<b>Volume</b> 910 = (900 l diesel + 100 l adblue)	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min Z = 40 l/min dual voltage 12/24V	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval



Transportable materials	Diesel / UN1202
Classes ADR	3
Packaging group	II - III





# Carrytank® CTK 220

Polyethylene tank for diesel transport, approved in compliance with ADR regulation.



## Description

CTK 220 is a tank made in linear polyethylene designed for Diesel fuel transport; it is equipped with the following fittings: filling plug with built-in air vent device, in-line filter, fuel transfer unit, automatic lockable fuel nozzle, integrated forklift pockets (full tank), handles for lifting and carrying (empty tank) and integrated recesses for securing with ratchet lashing straps during transport. All the fittings are made of aluminum or materials compatible with Diesel fuel. The tank has the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport).

## Outfittings

### STANDARD CONFIGURATION:

- Aluminum filling plug, size 2", equipped with emergency vent valve (air vent valve).
- In-Line filter.
- Battery fuel transfer pump (12 V or 24 V), flow rate 40 L/min.
- Battery power cable (4 m) and battery plug.
- 4 m of fuel rubber hose.
- Automatic fuel nozzle.
- Digital turbine flow meter, model M24 (on demand).

## Accessories



**Lid for Carrytank® 220**

Polyethylene covering Lid, integrated in the tank's structure and manufactured in rotational molding.



**Digital fuel meter, mod. M24, for Diesel Fuel**



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTK220	220	600	910	665	5	14	24

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
CTK220	54	132	132	156

## Product code

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> K = Diesel homologated	<b>Volume</b> 220 = 220 l	<b>Pump</b> A = 40 l/min	<b>Nozzle</b> C = Automatic

## Approval



Transportable materials	Diesel / UNI1202
Classes ADR	3
Packaging group	III



# Hippotank®

Polyethylene tank approved for Diesel fuel transporting in compliance with ADR (IBC) regulation.



## Description

Light, cost-effective, chemical resistant and compact, Hippotank® was the first polyethylene tank designed, manufactured and approved in compliance with ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). It is highly innovative in terms of features and technical contents. Hippotank® storage volume is of 960 liters and it is equipped with a complete fuel transfer unit housed in a dedicated compartment within the container shell. Hippotank® combines safe transport according to the regulations in force with key commercial advantages as cost effectiveness, compact size and lightweight. Hippotank® is a rotationally molded tank made in linear polyethylene, a material that confers excellent resistance against shocks, temperature changes, chemical attacks and bad climate conditions.

AdBlue®/DEF transport version is also available: for information please refer to AdBlue®/DEF section.

## Main features

- Hippotank® is a rotationally molded tank made in linear polyethylene
- Its transparency also allows a constant sight monitoring of the fuel level.
- It can be easily washed with regular detergents thanks to its highly smooth surface.
- Side forklift pockets, reinforced by zinc-coated carbon steel profiles, allow lifting with forklift (full load) from the bottom.
- Top eyelets for lifting operations (when empty) from the top of the tank.
- 220 mm diameter top hatch with screwed lid; it is completed with 2" loading plug with built-in air vent device and lockable security bar.
- 12 V or 24 V DC battery pump, flow rate 40 L/ min or 60 L/min; the fuel transfer unit is fixed in a proper compartment inside the tank which is provided with a lockable door.
- Flexible fuel hose, 5 m long, complete with an automatic fuel nozzle.
- Optional: contalitri digitale a turbina, mod. M24.
- Optional: filtro mod. F1, F2 o F3.

## Outfittings

### Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

### Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 4 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

### Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min.
- 4 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and clamps for battery connection.
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.

## Accessories



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**



**Manganese 12V battery with battery charger (European plug type C) and battery slot**



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.





**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Weight with pump unit (kg)
HTK980	960	995	1,830	1,000	95	105

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
HTK980	12	26	26	28

## Product code

HT	X	X	X	X
<b>Model</b> HT = Hippotank	<b>Fuel</b> K = Diesel homologated	<b>Volume</b> 980 = 980 l	<b>Pump</b> A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval

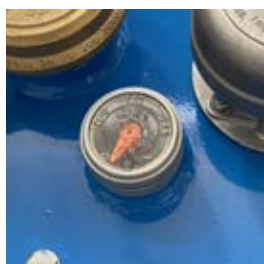


Transportable materials	Diesel / UNI1202
Classes ADR	3
Packaging group	III



# Traspo®

Intermediate carbon steel bulk containers approved for transporting of fuel (IBC)



## Description

To solve the fuel transport issue, Emiliana Serbattoi has designed and developed TRASPO®, a range of steel tanks, in the compliance of the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). TRASPO® tanks are manufactured in carbon steel, tight welded and are externally protected by a sturdy steel frame. The TRASPO® range consists of five tank's models with the following capacities: 250, 380, 450, 620 and 910 liters. TRASPO® 620 and 910 models are also equipped with internal breakwater plates.

## Main features

- Horizontal (Mod. 380-620-910) or vertical (Mod. 250-450) cylindrical tanks
- Fixed in a shock proof and anti-roll protective steel frame.
- Watertight electro-welded, sandblasted and oven-baked powder coated. The coating is applied electrostatically (the powder is sprayed using an electrostatic gun) and is then cured under heat to allow it to flow and form a skin.
- Equipped with internal breakwater plates (only for 620 and 910 models).
- Manhole, diam. Ø 300 mm complete with gasket and tight bolted cover, 10 mm thickness.
- 2" safety and emergency vent valve, homologated according to regulations.
- Mechanical level gauge (Option), cod.TFTxxxYINDLIV, where xxx= tank volume in liters.
- Safety ball valve installed on the suction/ drain point, equipped with a lockable lever to prevent unwanted opening.
- Structural lifting lugs for balanced lifting from the top (including when tank is full).
- Forklift pockets located on the bottom of the steel frame.
- Bottom steel frame is configured for floor anchoring.
- The unit is ready for earthing and equipotential connection.
- TRASPO® can be provided with a fuel transfer system, battery operated, installed in an oven- baked powder coated metal cabinet, key lockable, fitted according to the customer's requirements.

## Outfittings

- TRASPO® can be provided with a fuel transfer unit which consists in an hand rotary vane pump or in a self-priming battery pump, 12 V or 24 V, flow rate from 40 L/min (optional 60 L/ min), provided with built-in by-pass valve, on/ off switch, protection fuse, battery cable and connection plug.
- Manual or automatic fuel nozzle.
- Nitrile rubber hose, length 5 m.
- Mechanical fuel meter for non commercial use (option).
- Optional: filter model F1, F2 o F3.

## Accessories



Level indicator



Flow meter for manual rotary pump



Mechanical flow meter K33 ATEX for gasoline



Mechanical flow meter K33 for diesel



Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot



ATEX battery with battery charger (European plug type C)



Retention Basin for Traspò®

Retention basin for temporary ground use, 100% tank's volume capacity, made in carbon steel, primed and painted.



Digital fuel meter, mod. M24, for Diesel Fuel



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Digital flow meter for gasoline K24 ATEX**



**Manganese 12V battery with battery charger (European plug type C) and battery slot**

## Technical data

Model	Actual capacity (lt)	Width (mm)	Depth (mm)	Depth with cabinet (mm)	Highness (mm)	Weight with pump unit (kg)
TFTK250	258	770	770	1,065	855	120
TFTK380	366	725	1,400	1,595	920	162
TFTK450	439	870	870	1,165	1,050	160
TFTK620	600	990	1,220	1,455	1,165	200
TFTK910	878	990	1,660	1,865	1,165	246

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
TFTK250	28	60	60	72
TFTK380	16	32	32	36
TFTK450	20	40	40	44
TFTK620	16	32	32	36
TFTK910	12	24	24	28

## Product code

TFT	X	X	X
<b>Model</b> <b>TFT =</b> Traspo	<b>Fuel</b> <b>K</b> = Diesel and gasoline homologated	<b>Volume</b> <b>250</b> = 250   <b>380</b> = 380   <b>450</b> = 450   <b>620</b> = 620   <b>910</b> = 910 	<b>Cabinet</b> <b>(vuoto)</b> = Without cabinet <b>/40</b> = Pump 40 l/min - Nozzle Automatic 60 l/min <b>/50</b> = Pump 55 l/min - Nozzle Automatic 60 l/min <b>/60</b> = Pump 60 l/min - Nozzle Automatic 80 l/min <b>/EX</b> = Pump Atex - Nozzle Atex 60 l/min <b>/M</b> = Rotary pump - Nozzle manual <b>/P</b> = Pump 40/60 l/min double voltage 12/24V - Nozzle automatic 60 l/min

## Approval



Transportable materials	Diesel / UNI1202 Gasoline / UNI1203 Ethanol / UNI1170*
Clases ADR	3 - 5.1 - 6.1 - 9
Packaging group	II - III





# Traspo® Inox 330-910

Container designed, manufactured and approved for transportation of hazardous goods



## Description

TRASPO® 330 INOX and 910 INOX are containers designed, manufactured and approved for transportation of hazardous goods according to ADR Classes 3 - 5.1 - 6.1 - 8 - 9 of II and III Packaging Groups. The tank has the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). Manufactured in stainless steel AISI 304, tight welded and protected by a shock-proof and anti-rolling stainless steel framework. They are provided with forklift pockets and structural eyebolts for bottom and above-head hoisting, even when full.

### GASOLINE TRANSPORT

Due to its construction characteristics TRASPO® 330 and 910 INOX are ideal solution for transportation of high-flammable fuels and for on-site refuelling of vehicles powered by gasoline or Diesel fuel, such as quads, snowmobiles, snow cats, jet skis, water scooters, rafts and boats. These tanks can be easily moved even because it can be mounted on a dedicated trailer. They represent a perfect solution for sports structures, nautical clubs and rental centres.

### AVIATION FUEL TRANSPORT

The demand for aviation fuel at small airports, airclubs, heliports and private airfields is increasing day by day; TRASPO® 330 and 910 INOX represents the ideal solution for transportation by road of aviation fuel as AVGAS, MOGAS, JET A1, JET B, JP8 and to refuel aircrafts directly where they are stationed on the airfield. All fittings, equipment and accessories installed in these tanks are proper for handling aviation fuel and they are also essential to maintain the fuel quality and to meet the safety and environmental requirements.

## Accessories



Digital flow meter for gasoline K24 ATEX



Mechanical flow meter K33 ATEX for gasoline



Flow meter for manual rotary pump



ATEX battery with battery charger (European plug type C)



Level indicator



Avio Filter FLTVF31

For diesel and gasoline.  
Water absorption and  
impurity filtration. Filter  
capacity 10µm. Flow rate  
90 l/min.

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Depth with cabinet (mm)	Highness (mm)	Weight with pump unit (kg)
TFTAK330	330	790	790	1,080	960	132
TFTAK910	896	990	1,660	1,865	1,165	227

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
TFTAK330	28	60	60	72
TFTAK910	12	24	24	28

## Product code

TFTX	X	X	X
<b>Model</b> TFTX = Traspo Inox	<b>Fuel</b> K = Diesel and gasoline homologated	<b>Volume</b> 330 = 330 l 910 = 910 l	<b>Cabinet</b> (vuoto) = Without cabinet /EX = Pump Atex - Nozzle Atex 60 l/min /M = Rotary pump - Nozzle manual

## Approval

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Transportable materials	Diesel / UNI1202 Gasoline / UNI1203 Ethanol / UNI1170*
Clases ADR	3 - 5.1 - 6.1 - 9
Packaging group	II - III



# Emilcube®

Steel tank fully bunged, full-load stackable, approved for fuel transporting in compliance with ADR (IBC) regulation.



## Description

UPON REQUEST: AVAILABLE ALSO IN 2.000 L. AND 3.000 L.

Steel tank fully bunged, full-load stackable, approved by Italian Ministry of Infrastructure and Transport for transportation of hydrocarbons of hazard Class 3; the tank has the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). Steel tank, 950 l capacity, made in carbon steel, watertight electro-welded, sandblasted and oven-baked powder coated; equipped with breakwater plates and fixed inside a steel container having the function of protection and impermeable secondary containment that can hold a minimum of 110% of the volume of the inner tank and completed with a double lockable lid.

## Main features

- Steel cover consisting of two independent lockable hinged lids gas pistons - operated.
- Top structural lifting lugs located in the corner supports.
- Forklift pockets on each side of the container for lifting fully loaded from above.
- Dedicated anchorage points for basement fixing during transport.
- Possibility to connect/feed generator sets even with the cover closed and locked.
- Drainage pipe to empty completely the external container, provided with safety cap.

Loading compartment:

- Manhole, diam. Ø 300 mm complete with oil gasket and tight bolted cover.
- Loading access port provided with 3" quick cap.
- Three - effects safety and emergency valve - homologated.
- Emergency manual piston pump.

## Outfittings

Configuration model GE:

Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min.
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: up to 2 rapid couplings for generator sets feeding (feeding + return line)

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 5 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: up to 2 rapid couplings for generator sets feeding (feeding + return line)

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min.
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: up to 2 rapid couplings for generator sets feeding (feeding + return line)

Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: up to 2 rapid couplings for generator sets feeding (feeding + return line)

## Accessories



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Rapid couplings**



## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Weight with pump unit (kg)
ECK980	980	1,210	1,475	1,260	640	662
ECK2000	2,000	1,095	2,225	1,250	800	822
ECK3000	3,000	1,535	2,225	1,250	960	982

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
ECK980	4	9	18	36
ECK2000	5	10	20	24
ECK3000	3	7	14	16

## Product code

EC	X	X	X	X
<b>Model</b> EC = Emilcube	<b>Fuel</b> K = Diesel homologated	<b>Volume</b> 980 = 980 l 2000 = 2000 l 3000 = 3000 l	<b>Pump</b> GE = Without pump A = 40 l/min B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval



Transportable materials	Diesel / UNI1202
Classes ADR	3
Packaging group	III



# Tankube

Steel tanks fully bunded, full-load stackable, homologated



## Description

Steel tank fully bunded, full-load stackable, approved by Italian Ministry of Infrastructure and Transport for transportation of hydrocarbons of hazard Class 3; tanks have the following approvals: ADR (road transport), ADN (transport on inland waters), IMDG (sea transport) and RID (rail transport). Steel tank, horizontal, 950 l capacity (Tankube 960) or vertical 440 l (Tankube 440) made in carbon steel, watertight electro-welded, sandblasted and oven-baked powder coated; equipped with breakwater plate (Tankube 960) and fixed inside a steel container having the function of protection and impermeable secondary containment that can hold a minimum of 110% of the volume of the inner tank and completed with a lockable lid.

## Main features

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- Hinged lockable lid with safety bars.
- Top lifting lugs located in each corner of the container.
- Forklift pockets for bottom lifting.
- Possibility to connect generator sets even with lid closed and locked.
- Drainage pipe to empty completely the external container; it is provided with safety cap.
- Inspection hatch, diameter 200 mm, provided with gasket and bolted cover.
- Loading access port, made in brass or aluminium, provided with 3" quick cap.
- Three - effects safety and emergency valve - homologated.
- Mechanical level indicator.
- Tankube 960; possibility to have an hose reel with 5 m of 1" rubber hose, or 6 m of 3/4" rubber hose (optional)

## Outfittings

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Configuration model GE:

Configuration model AC:

- DC fuel transfer pump, mod. DEVIL40 (12 or 24V), flow rate 40 l/min.
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: 1 rapid couplings for generator sets feeding (feeding + return line)

Configuration model BC:

- AC fuel transfer pump, mod. DEVIL55 (230 V), flow rate 55 l/min.
- 5 m of hose.
- Automatic nozzle.
- 2 m of power cable with Schuko plug for connection to BC supply (Diesel fuel).
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: 1 rapid couplings for generator sets feeding (feeding + return line)

Configuration model DF:

- DC fuel transfer pump, mod. DPUMP (12 or 24V), flow rate 60 l/min.
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: 1 rapid couplings for generator sets feeding (feeding + return line)

Configuration model ZC:

- DC fuel transfer pump, mod. 12/24V, flow rate 35/70 l/min
- 5 m of hose.
- Automatic nozzle.
- 6 m of battery power cable and bipolar connector
- Optional: digital flow meter, mod. M24.
- Optional: water separator filter.
- Optional: 1 rapid couplings for generator sets feeding (feeding + return line)

## Accessories

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**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Strainer filter stainless steel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.



**Digital fuel meter, mod. M24, for Diesel Fuel**



**Hose reel**



**Rapid couplings**

Fuel handling and delivery equipment.

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Weight with pump unit (kg)
TKK440	434	980	980	1,220	216	221
TKK960	956	1,130	1,530	1,330	386	404

## Loading Plan

Model	Container 20'	Container 40'	Container 40' HC	Std truck 2700h mm
TKK440	10	24	48	52
TKK960	6	14	14	32

## Product code

TK	X	X	X	X
<b>Model</b>	<b>Fuel</b>	<b>Volume</b>	<b>Pump</b>	<b>Nozzle</b>
TK = Tankube	(vuoto) = Diesel and gasoline K = Diesel and gasoline homologated	440 = 440 l 960 = 960 l	GE = Without pump A = 40 l/min B = 55 l/min D = 60 l/min	C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available

## Approval

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Transportable materials	Diesel / UNI1202 Gasoline / UNI1203
Clases ADR	3
Packaging group	II - III





# Speedy tank

Trailer suitable for rapid connection of transportable fuel tanks. Certified flatbed trailer for road transport of fuel.



## Description

Speedy Tank consists of a flatbed trailer with side boards, suitable for road goods transport, equipped for quick connection with our transportable tanks in accordance with the ADR regulation.

## Main features

- "Twin-frame" system. Axles with rubber suspension. Steel galvanised frame. Rigid A-frame connecting the coupling system and the axles (direct linkage EEC 94/20). Assisted tilting.
- GKN braking system.
- Independent modular flatbed: modular and thick-edged profiles - welded modular crossbeams - square tubular corner pieces.
- Side boards: 350 mm high. The front and back boards can be opened. Boards close with spring hooks. Galvanised steel ribbed sheeting.
- Approved coupling.
- Towing eyelet (available on request), cod. RIMYGANCIOULPIO.
- Axles: hot-galvanised steel - non-cutting edges with bars for fitting.
- Lights: compact single-block, built-in and protected on the rear beam.
- Flatbed: made of plywood Hi-grip phenolic resin coated.

## Outfittings

1. Speedy Tank RIMSPEEDY1 (suitable for tank mod. TRASPO® TFT250 and TFT330 INOX).
2. Speedy Tank RIMSPEEDY2 (suitable for tank mod. TRASPO® TFT380, TFT450 and TFT620).
3. Speedy Tank RIMSPEEDY3 (suitable for tank mod. TRASPO® TFT910).
4. Speedy Tank RIMSPEEDY4 (suitable for tank mod. EMILCUBE®, TANKUBE and HIPPO TANK®).

## Technical data

Model	Total mass (kg)	Payload (kg)	Floor size (mm)	Total dimensions (mm)	Brake system	Number of wheels/axles
RIMSPEEDY1	900	720	1800x1450	2750x1510	Si	2/1
RIMSPEEDY2	900	700	2080x1450	3090x1560	Si	2/1
RIMSPEEDY3	1,500	1,120	3060x1750	4440x1810	Si	4/1
RIMSPEEDY4	2,500	2,120	3060x1750	4440x1810	Si	4/1



# Steel Jerrycans

Tanks for transportation of fuels and oils



## Description

Steel tank resistant to UV rays with with internal anticorrosive treatment and epoxy painting outside. Metal cap immovable with progressive closing and total interlocking.

## Technical data

Model	Nominal capacity (lt)
TNC20DE	20

# Refuelling tanks

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# 02

## Refuelling Tanks

Tank Fuel

Securbox

Tank Fuel Roofing system

Single wall vertical Tank Fuel

Double wall vertical Tank Fuel

GIANTank

GE Tank

Double wall tanks

Fuel station containerized

Aviation Systems





# Tank Fuel

Above ground fuelling tanks for Diesel fuel storage and dispensing with 110% bunded

NEW



## Description

Homologated by Italian Ministry of Interior in accordance with Italian M.D. 31/7/34 Title I N. XVII and subsequent renewals and extensions; in compliance with D.M. 22/11/17.

Tanks are of horizontal cylindrical type, manufactured by using shell plates and dished ends, made of carbon steel quality S235JR according to UNI EN 10025, watertight electro-welded (gas metal arc welding process), provided with anti-roll supports, primed with a rust preventing coating and finished with a layer of green paint. Tanks are delivered pressure-tested and ready-to-use. Tank Fuels are equipped with a containment basin designed to hold 110% of the tank's volume. It is provided with 4 anchoring clamps, grounding connection point, drain plug for routine maintenance and cleaning and 4 housings suitable for fixing the uprights of the roof system. Tanks are realized in compliance with D.M. 22/11/2017 of Italian Ministry of Interior.

Tank Fuels are also equipped with a fuel transfer unit which can consist of a pump unit in a metal cabinet or of a fuel dispenser. Available Capacities: 490, 1.000, 1.300, 2.400, 3.000, 5.000, 6.000, 7.000 and 9.000 L

### CONTAINMENT BASIN:

All tanks are provided with a containment basins, made of carbon steel sheets, quality S 235 JR - UNI EN 10025, self-supporting base frame and designed to be bolted to the tank's bottom supports; these basins, 110% bunded, can be placed on any type of surface (even for permanent installation) and are designed according to the volume of the tank and in compliance with the safety limitations set in the Italian Ministerial Decree 22/11/17. They are provided complete with lifting plates, grounding connection point, drain plug for routine maintenance and cleaning, 4 housings suitable for fixing the uprights of the roof system and 4 anchoring clamps. They are also completely primed with a rust preventing layer and finished with a layer of protective paint.

## Main features

- Ø 400 mm manhole complete with oil gasket and tight bolted cover.
- 3" filling plug with lockable quick cap.
- Mechanical overflow prevention valve calibrated to interrupt the fuel flow at 90% of the tank's volume.
- Vent device with flame arrestor mesh h 240 cm from ground.
- Mechanical float operated tank contents gauge with planetary gear, adjustable scale in cm.
- Anti-roll support legs and anchoring clamps.
- Tank drainage point provided with a safety cap for routine maintenance and cleaning.
- Suction point equipped with check valve and ball valve.
- Equipotential grounding point.
- For the TF5, TF6 and TF7 versions, steps and non-slip support surface are provided.
- For the TF5D and TF9 versions there is a stepladder.

## Outfittings

### DISPENSING CABINETS

- Oven-baked powder coated metal cabinet with hinged front door and equipped with safety lock.
- Switchboard contained in a dedicated IP 55 protection box including on/off switch, emergency button and the minimum level pump shut-off device.
- Self-priming rotary vane electro-pump, flow rate 50-70-90 L/min, built in by-pass system, line strainer, 230 V AC single-phase motor or 400 V AC three-phase motor (also available with manual rotary pump or battery pump). Pumps consist of a cast-iron casing, sintered steel rotor and acetaltic resin blades and mechanical seals. Grade of protection: IP55.
- Mechanical fuel meter, nutating-disk type, designed for non-commercial use only; it consists of a mechanical readout device with rotating wheels. Subtotals can be set to zero. Progressive total counter. Accuracy: +/- 1% of the flow range after calibration. Repeatability 0,2%, max operating pressure 10 bar.
- 4 m of rubber hose for oil and Diesel fuel.
- Automatic fuel nozzle.

### TANK FUEL EQUIPPED WITH ES-PUMP DISPENSERS

- TF/GLM-M: mechanical type sturdy and reliable dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Flow rate 70 L/min or 90 L/min.
- F/GLM-C: Sturdy and reliable dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Equipped with electronic head and calculator, MC box system, a multi-user system (up to 80 users/keys) which enables the control of the fuelling operations and the monitoring of the fuel consumption. It can be operated only by authorized personnel provided with user codes and magnetic keys. The total consumption per each user is recorded directly on the electronic system which is able to store data of the latest 250 operations. Dedicated software for printing reports of the refueling operations and individual user summaries is available.

### TANK FUEL EQUIPPED WITH FUEL DISPENSERS

- TF/Eco: Industrial type fuel dispenser, electronic or mechanical head, volumetric rotary vane suction pump, flow rate 70 L/min, antistatic rubber hose, automatic fuel nozzle, corrosion resistant chassis and panels. Single-phase 230V or three-phases 400V motor ATEX certified in compliance with European Directive Atex 94/9/CE. EC certified and approved for Class C fuels.
- TF/CVTV: Integrated unit which consists of a fuel dispenser with an incorporated refueling management system. It is based on TF/Eco dispenser on which is installed the Emiltouch fuel management system.
- TF/Fimac: Industrial type fuel dispenser, electronic or mechanical head, volumetric rotary vane suction pump, flow rate from 50 to 120 L/min, antistatic rubber hose, automatic nozzle, corrosion resistant chassis and panels made in stainless steel. Single-phase 230V or three-phases 400V motor ATEX certified in compliance with European Directive Atex 94/9/CE. EC certified, metrical compliant and approved for Class C fuels.
- TF/QUANTIUM: Industrial type fuel dispenser, compact design, island-oriented with hose hook, piston meter with integrated pulser, electronic calculator with LCD displays volumetric rotary
- vane suction pump, flow rate from 40 to 130 L/min, antistatic rubber hose, automatic nozzle, corrosion resistant chassis and panels. EC certified and metrical compliant.
- TF/Cube 50-70: Cube 50 and Cube 70 dispensing units, consisting of an oven-baked powder coated metal self-bearing frame equipped with a self-priming volumetric vane pump assembled to a 230V - 50 Hz motor, flow rate 56 L/min or 70 L/min, including by-pass valve, line strainer, mechanical non-commercial fuel meter, 4 m of rubber hose for oil and Diesel fuel and automatic fuel nozzle.
- TF/CUBE 70 MC: Consists of a CUBE Fuel Dispenser equipped with an electronic control panel. The MC system is a multi-user panel with a dedicated software and devices to export data to a PC. It can be operated only by authorized personnel provided with user codes and magnetic keys. The total consumption per each user is recorded directly on the electronic system which is able to store data of the latest 250 operations.

## Accessories



OCIO

Tank level indicator



Securbox

Metal box made with trapezoidal self-bearing zinc-coated sheeting to shelter Tank Fuel for roof replacement.



Hose reel

Fuel handling and delivery equipment.



ES Level

Electronic fuel level gauge, magnetostrictive technology.



**Emiltouch®**

Refuelling operations control, monitoring and management system.



**Tank Fuel Roofing system**

Roofing System



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Filter Clearcaptor 70**

For diesel. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min



**Filter Acquasorb F98**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 90 l/min.



**Mechanical flow meter K33 for diesel**



**Mechanical flow meter K44**

## Technical data

	Reservoir					Basin 110%			Basin 50%		
Model	Capacity (lt)	Highness (mm)	Diameter (mm)	Fasciame (mm)	Length (mm)	Length (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
TF1L	975	1,200	950	1,250	1,500	1,900	1,050	550	1,900	1,050	260
TF1	1,270	1,360	1,100	1,250	1,500	2,250	1,400	480	1,800	1,250	300
TF2	2,482	1,520	1,270	1,800	2,060	2,400	1,750	650	2,350	1,400	380
TF3	3,172	1,670	1,430	1,800	2,080	2,450	1,900	750	2,450	1,500	410
TF5D	4,941	1,850	1,600	2,250	2,550	3,200	1,850	950	3,200	1,750	470
TF5	5,320	1,850	1,600	2,500	2,800	3,200	1,850	1,000	3,200	1,750	470
TF6	5,946	1,850	1,600	2,750	3,050	3,500	1,900	1,000	3,500	1,750	500
TF7	7,185	1,950	1,700	3,000	3,350	3,850	2,100	1,000	3,800	1,900	500
TF9	8,995	2,130	1,900	3,000	3,400	4,000	2,250	1,100	3,900	2,100	555

Tanks with dispensing cabinet

TF	X	X
<b>Model</b> TF = Tank Fuel	<b>Volume</b> 9 = 9000 l 490 = 490 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5D = 4941 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Cabinet</b> /MAN = Pump rotary - Nozzle manual /BAT = Pump 60 l/min - Nozzle automatic 80 l/min /A50 = Pump 55 l/min - Nozzle automatic 60 l/min /A70 = Pump 70 l/min - Nozzle automatic 80 l/min /A90 = Pump 120 l/min - Nozzle automatic 80 l/min

Not all combinations are available

Tanks with distributor

TF	X	X
<b>Model</b> TF = Tank Fuel	<b>Volume</b> 9 = 9000 l 490 = 490 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5D = 4941 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Distributor</b> /C50 = Cube 50 /C70 = Cube 70 /7MC = Cube 70MC /70M = GLM70-M /70C = GLM70-C /10M = GLM100-M /10C = GLM70-C /ECO = ECO GPM /FMC = FIMAC INDUSTRIAL /MID = FIMAC INDUSTRIAL MID /CTV = CVTV

Not all combinations are available



# Securbox

Metal box made with trapezoidal self-bearing zinc-coated sheeting to shelter Tank Fuel for roof replacement.



Tubulars for fixing in the basin



Locks and key



Ventilation grill



External vent

## Description

Made with galvanized steel sheet and Approved by Ministry of Interior in accordance with M.D. 19/03/90 and updated in compliance with D.M. 22/11/17. SECURBOX is designed to give full shelter to Tank Fuel by replacing the function of the roofing. It's provided with steel profiles for fixing within the basin. Securbox requires that the steps of the tank are placed on the front side of the basin.

## Main features

- Built in self-supporting galvanized and profiled sheet.
- Tubulars for fixing in the Tank Fuel basin, replaces the roof
- N. 1 ventilation grill (N. 2 ventilation grilles available only for Tank Fuel 7 and Tank Fuel 9 models)
- N. 4 eyebolts for vacuum lifting.
- Total coverage of the Tank Fuel.
- N. 4 doors for the inspection of the tank, equipped with locks and key (the key will be the same for all the locks present).
- External vent.



## Technical data

Model	Width (mm)	Highness (mm)	Lenght (mm)	Tank model
SECURBOX1L	1,050	1,900	2,010	TF1L
SECURBOX1	1,400	1,790	2,250	TF1
SECURBOX2	1,750	1,810	2,530	TF2
SECURBOX3	1,900	1,830	2,550	TF3
SECURBOX5D	1,850	1,555	3,280	TF5D
SECURBOX5	1,850	1,555	3,280	TF5
SECURBOX6	1,900	1,635	3,500	TF6
SECURBOX7	2,100	1,535	3,850	TF7
SECURBOX9	2,250	1,535	4,060	TF9



# Tank Fuel Roofing system

Roofing System



## Description

Roof system for protection against bad weather conditions, composed of a sturdy zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting. It is designed to be easily and rapidly mounted and bolted to the Tank's containment basin.

## Technical data

Model	Tank model	Canopy 10%			Canopy 50%		
		Lenght (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
ROOFTF1L	TF1L	2,300	2,000	2,650	2,300	2,000	2,650
ROOFTF1	TF1	2,600	2,000	2,620	2,300	2,000	2,620
ROOFTF2	TF2	2,800	2,000	2,620	2,800	2,000	2,620
ROOFTF3	TF3	2,800	2,500	2,620	2,800	2,000	2,620
ROOFTF5D	TF5D	3,500	2,500	2,870	3,500	2,500	2,870
ROOFTF6	TF6	3,800	2,500	2,870	3,800	2,500	2,870
ROOFTF7	TF7	4,100	2,500	2,870	4,100	2,500	2,870
ROOFTF9	TF9	4,300	2,500	2,870	4,200	2,500	2,870



# Single wall vertical Tank Fuel

Vertical steel tanks for diesel fuel, single wall with containment basin



## Description

Tanks are of vertical cylindrical type, manufactured by using shell plates and dished ends, made of carbon steel quality S235JR according to UNI EN 10025, watertight electro-welded (gas metal arc welding process), provided with anti-roll supports, primed with a rust preventing coating and finished with a layer of green paint. Tanks are delivered pressure-tested and ready-to-use. Tank Fuels are equipped with a containment basin designed to hold 110% of the tank's volume. It is provided with 4 anchoring clamps, grounding connection point, drain plug for routine maintenance and cleaning and 4 housings suitable for fixing the uprights of the roof system. Tanks are realized in compliance with D.M. 22/11/2017 of Italian Ministry of Interior.

Tank Fuels are also equipped with a fuel transfer unit which can consist of a pump unit in a metal cabinet or of a fuel dispenser. Available Capacities: 490, 1.000, 1.300, 2.400, 3.000, 5.000, 6.000, 7.000 and 9.000 L

### CONTAINMENT BASIN

All tanks are provided with a containment basins, made of carbon steel sheets, quality S 235 JR - UNI EN 10025, self-supporting base frame and designed to be bolted to the tank's bottom supports; these basins, 110% banded, can be placed on any type of surface (even for permanent installation) and are designed according to the volume of the tank and in compliance with the safety limitations set in the Italian Ministerial Decree 22/11/17. They are provided complete with lifting plates, grounding connection point, drain plug for routine maintenance and cleaning, 4 housings suitable for fixing the uprights of the roof system and 4 anchoring clamps. They are also completely primed with a rust preventing layer and finished with a layer of protective paint.

### ROOFING SYSTEM

Roof system for protection against bad weather conditions, composed of a sturdy zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting. It is designed to be easily and rapidly mounted and bolted to the Tank's containment basin.

## Main features

- Ø 400 mm manhole complete with oil gasket and tight bolted cover.
- 3" filling plug with lockable quick cap.
- Mechanical overflow prevention valve calibrated to interrupt the fuel flow at 90% of the tank's volume.
- Vent device with flame arrestor mesh h 240 cm from ground.
- Mechanical float operated tank contents gauge with planetary gear, adjustable scale in cm.
- Anti-roll support legs and anchoring clamps.
- Tank drainage point provided with a safety cap for routine maintenance and cleaning.
- Suction point equipped with check valve and ball valve.
- Equipotential grounding point.
- From 2.400 L model, basins are equipped with nonslip platforms and handrail.

## Outfittings

### DISPENSING CABINETS

- Oven-baked powder coated metal cabinet with front door equipped with safety lock.
- Switchboard contained in a dedicated IP 55 protection box including on/off switch, emergency button and the minimum level pump shut-off device.
- Self-priming rotary vane electro-pump, flow rate 50-70-90 L/min, built in by-pass system, line strainer, 230 V AC single-phase motor or 400 V AC three-phase motor (also available with manual rotary pump or battery pump).
- Mechanical fuel meter, nutating-disk type, for non-commercial use only. Subtotals can be set to zero. Progressive total counter.
- 4 m of rubber hose for oil and Diesel fuel
- Automatic fuel nozzle.

### ES-PUMP DISPENSERS

- TF/GLM-M: mechanical dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Flow rate 70 L/min or 90 L/min.
- TF/GLM-C: electronic dispenser for non-commercial use equipped with head and calculator, MC box system, a multi-user system (up to 80 users/keys) for the control of the fuelling operations and the consumption monitoring. It can be operated only by authorized personnel and it's able to store data of the latest 250 operations. Flow rate 70 L/min or 90 L/min.

### FUEL DISPENSERS

- TF/Eco: Industrial type fuel dispenser, flow rate 70 L/min, approved for Class C fuels.
- TF/CVTV: Integrated unit which consists of a fuel dispenser with an incorporated refueling management system. It is based on TF/Eco dispenser on which is installed the Emiltouch fuel management system.
- TF/Fimac: Industrial type fuel dispenser, flow rate from 50 to 120 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/QUANTIUM: Industrial type fuel dispenser, flow rate from 50 to 130 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/Cube 50-70: Dispensing units consisting of an oven-baked powder coated metal selfbearing frame equipped with a self-priming volumetric vane pump assembled to a 230V - 50 Hz motor, flow rate 56 L/min or 70 L/min, by-pass valve, line strainer, mechanical noncommercial fuel meter, 4 m of rubber hose for oil and Diesel fuel and automatic fuel nozzle.
- TF/CUBE 70 MC: CUBE Fuel Dispenser equipped with an electronic control panel. The MC system is a multi-user panel with a dedicated software and devices to export data to a PC. It can be operated only by authorized personnel provided with user codes and magnetic keys. Electronic system is able to store data of the latest 250 operations.

## Accessories



**Filter Clearcaptor 70**

For diesel. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Single wall vertical Tank Fuel Roofing system**



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Hose reel**

Fuel handling and delivery equipment.



**Emiltouch®**

Refuelling operations control, monitoring and management system.



**ES Level**

Electronic fuel level gauge, magnetostrictive technology.



**OCIO**

Tank level indicator



**Mechanical flow meter K33 for diesel**



**Mechanical flow meter K44**



**Filter Acquasorb F98**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 90 l/min.

- EMILTOUCH - Fleet refuelling control, monitoring and management system.
- Electronic level gauges as OCIO and ES-LEVEL.
- Hose reels: manual or spring retractable.
- Wide range of filters for superior inline filtration protection.
  - ES-Filter: up to 70 l/min; Filtering capacity: 10µm water absorbing and 5µm impurities.
  - Water absorber filter (µ30) for flow-rates up to 60 l/m.
  - Water and impurities absorber filter (µ25) for high flow-rates.
  - Impurities separator filter (µ10).

## Technical data

Model	Nominal capacity (lt)	Reservoir			Basin 110%			Basin 50%		
		Diameter (mm)	Fasciame (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
TF490VMP	498	900	625	1,250	1,010	1,010	540	1,010	1,010	250
TF1LVMP	975	950	1,250	1,790	1,400	1,250	620	1,400	1,050	380
TF1VMP	1,276	1,100	1,250	1,860	1,500	1,635	600	1,500	1,250	360
TF2VMP	2,395	1,270	1,800	2,420	1,800	1,650	900	1,650	1,400	550
TF3VMP	2,970	1,430	1,800	2,430	2,000	1,700	970	1,850	1,600	540
TF5VMP	5,021	1,700	2,000	2,650	2,400	1,850	1,250	2,400	1,850	600
TF6VMP	6,367	1,900	1,800	2,550	2,600	2,250	1,100	2,500	2,200	530
TF9BVMP	8,780	2,300	1,800	2,650	3,600	2,450	1,100	2,800	2,450	650



Tanks with dispensing cabinet

TF	X	X	X
<b>Model</b> TF = Tank Fuel	<b>Wall</b> VMP = Single wall vertical	<b>Volume</b> 9 = 9000 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Cabinet</b> /MAN = Pump rotary - Nozzle manual /BAT = Pump 60 l/min - Nozzle automatic 80 l/min /A50 = Pump 55 l/min - Nozzle automatic 60 l/min /A70 = Pump 70 l/min - Nozzle automatic 80 l/min /A90 = Pump 120 l/min - Nozzle automatic 80 l/min

Not all combinations are available

Tanks with distributor

TF	X	X	X
<b>Model</b> TF = Tank Fuel	<b>Wall</b> VMP = Single wall vertical	<b>Volume</b> 9 = 9000 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Distributor</b> /10C = GLM100-C /C50 = Cube 50 /C70 = Cube 70 /7MC = Cube 70MC /70M = GLM70-M /70C = GLM70-C /10M = GLM100-M /ECO = ECO GPM /FMC = FIMAC INDUSTRIAL /MID = FIMAC INDUSTRIAL MID /CTV = CVTV

Not all combinations are available



# Double wall vertical Tank Fuel

Double wall vertical steel tanks for diesel fuel



## Description

Double-skin vertical cylindrical tanks made in carbon steel quality S 235 JR according to UNI EN 10025 and provided with structural steel feet. Tanks are made with shell plates and dished ends assembled according to a certified welding process. Each tank is pressure - tested at 1 bar or 0.5 bar for the interstitial space and are provided with a calibration table. This type of tank represents an ideal solution for storage or refuelling stations where safety and environmental protection are strictly required.

### DOCUMENTS & CERTIFICATES:

- Use and maintenance manual.
- EC Conformity Declaration of fuel delivery unit.
- Pressure Testing certificate.
- Calibration Table.

## Main features

- Ø 400 mm manhole complete with oil gasket and tight bolted cover.
- 3" lockable filling quick cap.
- Mechanical overfill prevention valve calibrated to interrupt the fuel flow at 90% of the tank's geometric capacity.
- Mechanical float operated tank contents gauge with planetary gear, adjustable scale in cm.
- Anti-roll support legs.
- External suction point equipped with check valve, strainer and ball valve.
- Equipotential grounding point.
- Minimum level pump shut-off switch.

## Outfittings

### DISPENSING CABINETS

- Oven-baked powder coated metal cabinet with front door equipped with safety lock.
- Switchboard contained in a dedicated IP 55 protection box including on/off switch, emergency button and the minimum level pump shut-off device.
- Self-priming rotary vane electro-pump, flow rate 50-70-90 L/min, built in by-pass system, line strainer, 230 V AC single-phase motor or 400 V AC three-phase motor (also available with manual rotary pump or battery pump).
- Mechanical fuel meter, nutating-disk type, for non-commercial use only. Subtotals can be set to zero. Progressive total counter.
- 4 m of rubber hose for oil and Diesel fuel.
- Automatic fuel nozzle.

### ES-PUMP DISPENSERS

- TF/GLM-M: mechanical dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design. Flow rate 70 L/min or 90 L/min.
- TF/GLM-C: electronic dispenser for non-commercial use equipped with head and calculator, MC box system, a multi-user system (up to 80 users/keys) for the control of the fuelling operations and the consumption monitoring. It can be operated only by authorized personnel and it's able to store data of the latest 250 operations. Flow rate 70 L/min or 90 L/min.

### FUEL DISPENSERS

- TF/Eco: Industrial type fuel dispenser, flow rate 70 L/min, approved for Class C fuels.
- TF/CVTV: Integrated unit which consists of a fuel dispenser with an incorporated refueling management system. It is based on TF/Eco dispenser on which is installed the Emiltouch fuel management system.
- TF/Fimac: Industrial type fuel dispenser, flow rate from 50 to 120 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/QUANTUM: Industrial type fuel dispenser, flow rate from 50 to 130 L/min. EC certified, metrical compliant and approved for Class C fuels.
- TF/Cube 50-70: Dispensing units consisting of an oven-baked powder coated metal selfbearing frame equipped with a self-priming volumetric vane pump assembled to a 230V - 50 Hz motor, flow rate 56 L/min or 70 L/min, by-pass valve, line strainer, mechanical noncommercial fuel meter, 4 m of rubber hose for oil and Diesel fuel and automatic fuel nozzle.
- TF/CUBE 70 MC: CUBE Fuel Dispenser equipped with an electronic control panel. The MC system is a multi-user panel with a dedicated software and devices to export data to a PC. It can be operated only by authorized personnel provided with user codes and magnetic keys. Electronic system is able to store data of the latest 250 operations.

## Accessories



**Filter Acquasorb F98**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 90 l/min.



**Mechanical flow meter K44**



**Mechanical flow meter K33 for diesel**



**Emiltouch®**

Refuelling operations control, monitoring and management system.



**ES Level**

Electronic fuel level gauge, magnetostrictive technology.



**Hose reel**

Fuel handling and delivery equipment.



**OCIO**

Tank level indicator



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Filter Clearcaptor 70**

For diesel. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min

## Technical data

Model	Nominal capacity (lt)	Outer diameter (mm)	Inner diameter (mm)	Fasciame (mm)	Tank height (mm)	Total height (mm)
TF1VDP	1,343	1,150	1,100	1,250	1,500	1,930
TF2VDP	2,157	1,430	1,400	1,250	1,520	1,950
TF3VDP	2,992	1,430	1,400	1,800	2,070	2,400
TF5VDP	4,984	1,730	1,700	2,000	2,320	2,650
TF6VDP	5,671	1,830	1,800	2,000	2,400	2,650
TF9VDP	8,536	2,300	2,270	1,800	2,300	2,600

## Product code

### Tanks with dispensing cabinet

TF	X	X	X
<b>Model</b> TF = Tank Fuel	<b>Wall</b> VDP = Double wall vertical	<b>Volume</b> 9 = 9000 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Cabinet</b> /MAN = Pump rotary - Nozzle manual /BAT = Pump 60 l/min - Nozzle automatic 80 l/min /A50 = Pump 55 l/min - Nozzle automatic 60 l/min /A70 = Pump 70 l/min - Nozzle automatic 80 l/min /A90 = Pump 120 l/min - Nozzle automatic 80 l/min

Not all combinations are available

### Tanks with distributor

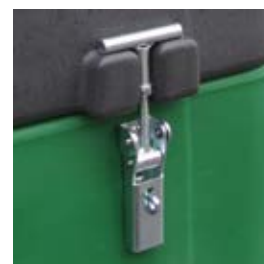
TF	X	X	X
<b>Model</b> TF = Tank Fuel	<b>Wall</b> VDP = Double wall vertical	<b>Volume</b> 9 = 9000 l 1L = 1000 l 1 = 1300 l 2 = 2400 l 3 = 3000 l 5 = 5000 l 6 = 6000 l 7 = 7000 l	<b>Distributor</b> /10C = GLM100-C /C50 = Cube 50 /C70 = Cube 70 /7MC = Cube 70MC /70M = GLM70-M /70C = GLM70-C /10M = GLM100-M /ECO = ECO GPM /FMC = FIMAC INDUSTRIAL /MID = FIMAC INDUSTRIAL MID /CTV = CVTV

Not all combinations are available



# GIANTank

Polyethylene tank for fuel delivery and storage



## Description

**NOT AVAILABLE FOR THE ITALIAN MARKET**

GIANTank® is the innovative solution by Emiliana Serbatoli for the storage and delivery of diesel fuel designed and realized in order to respect technical and environmental strict rules. GIANTank® combines robustness of the material and environmental protection thanks to a secondary containment designed to hold 110% of the volume of the tank, that has a capacity of 3.300 liters. The tank is manufactured in linear polyethylene with rotational molding that provides the product with compactness and sturdiness, in addition to a particularly innovative and ergonomic design. GIANTank® is equipped with a padlocked reinforced lid (with gas stoppers, in order to facilitate closing and opening operations, and lockable hinges); the lid covers and protects the fuel compartment which houses a complete transfer unit with electric panel, electric pump, fuel meter, automatic nozzle, level indicator, loading port, safety valves and delivery hose (combined, as an option, with up to 15 meters hose pipe with reel). GIANTank® is projected to be lifted empty thanks to the special forklift pockets, for easily-moved operations, located on the bottom of the tank. All GIANTank® inserts are made of aluminum for Diesel fuel-compatible material. AdBlue®/DEF version is also available: for information please refer to AdBlue®/DEF section. On request, the version for lubricants is available too.



## Main features

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- Secondary containment designed to hold 110% of the volume of the tank.
- Electric switchboard.
- Minimum level pump block.
- Leak detector.
- Filling quick cap 2".
- Air vent 1"1/2 with flame arrestor mesh.
- Overfill prevention valve calibrated to interrupt the fuel flow at 90% of the tank's volume

## Outfittings

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### CONFIGURATION GE:

- GE Version for generating sets feeding (without pump).
- Mechanical flow meter.
- Mechanical level gauge.
- Quick couplings 3/4".

### CONFIGURATION BC:

- Electric pump mod. Devil 55, flow rate 55 l/min.
- 6 m refueling hose.
- Mechanical flow meter.
- Automatic nozzle mod. A60.
- Mechanical level gauge.
- Electric switchboard

### CONFIGURATION GF:

- Electric pump mod. Devil 70, flow rate 70 l/min.
- 6 m refueling hose.
- Mechanical flow meter.
- Automatic nozzle mod. A80.
- Mechanical level gauge.
- Electric switchboard

### CONFIGURATION LF:

- Electric pump flow rate 80 l/min.
- 6 m refueling hose.
- Mechanical flow meter.
- Automatic nozzle mod. A80.
- Mechanical level gauge.
- Electric switchboard

### CONFIGURATION DC:

- Electric pump mod. DPUMP 12V, flow rate 60 l/min.
- 6 m refueling hose.
- Mechanical flow meter.
- Automatic nozzle mod. A80.
- Mechanical level gauge

## Accessories

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**Rapid couplings**



**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**ES Filter**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 10µm. Flow rate 70 l/min.



**Hose reel**

Fuel handling and delivery equipment.



**OCIO**

Tank level indicator



**Emilprobe®**

Alarm system that continuously monitors, in text and graphic form, the liquid in the tank (actual volume, level, temperature and the presence of water)

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Weight with pump unit (kg)
GT33	3,300	1,125	2,350	1,800	320

## Product code

GT	X	X	X	X
<b>Model</b> GT = Giantank	<b>Fuel</b> G = Diesel	<b>Volume</b> 3300 = 3300 l	<b>Pump</b> (vuoto) = GE version B = 55 l/min D = 60 l/min	<b>Nozzle</b> C = Automatic 60 l/min F = Automatic 80 l/min

Not all combinations are available



# GE Tank

Tanks for generating sets and heating systems; storage and feeding.



Manhole



1" drainage point for routine maintenance and cleaning



Grounding cable



Mechanical level indicator

## Description

Manufactured in compliance with DM 28 april 2005 and DM 22 october 2007 of Ministry of Interior. Fuel storage and feeding tanks for generating sets and heating systems. Vertical or horizontal cylindrical tanks manufactured by using shell plates and dished ends made of carbon steel quality S235JR according to UNI EN 10025, watertight electro-welded (submerged arc welding process), provided with anti-roll supports, primed with a rust preventing layer and finished with a layer of green paint; tanks are delivered pressure-tested.

Horizontal version

Standard capacities: 1.000, 1.300, 2.400, 3.000, 5.000, 7.000, 9.000, 10.000, 12.000, 15.000, 20.000 L.

Vertical version

Standard capacities: 490, 1.300, 2.400, 3.000, 5.000, 6.000, 9.000 Lt.

### DOCUMENTS & CERTIFICATES:

- Pressure test certificate.
- Calibration table.
- Overfill protection valve certificate.

## Main features

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- Ø 400 mm manhole complete with oil-resistant gasket and tight bolted cover.
- 3" lockable filling quick plug with mechanical overfill prevention valve calibrated to interrupt the fuel flow at 90% of the tank's geometric capacity.
- Vent device.
- 90% overfill prevention valve.
- Mechanical float operated tank contents gauge.
- N° 2 couplings, suction and return lines, size 1", ready for connection with gen sets, or other equipment. Suction line is completed with foot valve and inline strainer.
- Drainage point provided with a safety cap for routine maintenance and cleaning.
- Earthing and equipotential point.
- Manhole access steps for tanks with a capacity exceeding 5.000 liters.
- Tanks are delivered pressure-tested, ready-to-use.
- Containment Basin: made of carbon steel sheets, self-supporting base frame designed to be bolted to the tank's bottom supports; it can be placed on any type of surface (even for permanent installation) and is designed according to the capacity of the tank (50% or 100% of the volume of the tank). It is provided complete with lifting plates, earth connection point, drain plug for routine maintenance and cleaning and n° 4 housings suitable for fixing the uprights of the roof system. It is completely primed and painted

### Optional:

- Roof system for protection against weather conditions, composed of a strong zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting; it is designed to be easily and rapidly mounted and bolted to GE Tank's basins.

## Accessories

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**GE Tank Roofing system**



GE Tank Horizontal

Model	Nominal capacity (lt)	Reservoir				Basin 110%			Basin 50%		
		Diameter (mm)	Fasciame (mm)	Length (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
GETANK490	498	900	625	625	1,250	1,010	1,010	540	1,010	1,010	250
GETANK1L	975	950	1,250	1,500	1,200	1,900	1,050	550	1,900	1,050	260
GETANK1	1,270	1,100	1,250	1,500	1,360	2,250	1,400	480	1,800	1,250	300
GETANK2	2,482	1,270	1,800	2,060	1,520	2,400	1,750	650	2,350	1,400	380
GETANK3	3,172	1,430	1,800	2,080	1,670	2,450	1,900	750	2,450	1,500	410
GETANK5	5,320	1,600	2,500	2,800	1,850	3,200	1,850	1,000	3,200	1,750	470
GETANK6	5,946	1,600	2,750	3,050	1,850	3,500	1,900	1,000	3,500	1,750	500
GETANK7	7,185	1,700	3,000	3,350	1,950	3,850	2,100	1,000	3,800	1,900	500
GETANK9	8,995	1,900	3,000	3,400	2,130	4,000	2,250	1,100	3,900	2,100	555



GE Tank Vertical

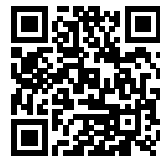
Model	Nominal capacity (lt)	Reservoir			Basin 110%			Basin 50%		
		Diameter (mm)	Fasciame (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)	Length (mm)	Width (mm)	Highness (mm)
GETANK1LVMP	975	950	1,250	1,790	1,400	1,250	620	1,400	1,050	380
GETANK1VMP	1,276	1,100	1,250	1,860	1,500	1,635	600	1,500	1,250	360
GETANK2VMP	2,395	1,270	1,800	2,420	1,800	1,650	900	1,650	1,400	550
GETANK3VMP	2,970	1,430	1,800	2,430	2,000	1,700	970	1,850	1,600	540
GETANK5VMP	5,021	1,700	200	2,650	2,400	1,850	1,250	2,400	1,850	600
GETANK6VMP	6,367	1,900	1,800	2,550	2,600	2,250	1,100	2,500	2,200	530
GETANK9VMP	8,780	2,300	1,800	2,650	3,600	2,450	1,100	2,800	2,450	650

## Product code

GETANK	X	X	X
Model	Volume	Horizontal/Vertical	Basin
GETANK = GE Tank	<b>9</b> = 9000 l <b>490</b> = 490 l <b>1L</b> = 1000 l <b>1</b> = 1300 l <b>2</b> = 2400 l <b>3</b> = 3000 l <b>4981</b> = 4981 l <b>6</b> = 6000 l <b>7</b> = 7000 l	<b>(vuoto)</b> = Horizontal <b>VMP</b> = Vertical	<b>(vuoto)</b> = Basin 50% <b>B110%</b> = Basin 110%

Not all combinations are available





## Double wall tanks

Aboveground double skin fuelling tanks designed and manufactured in compliance with UNI EN 12285-2 standard.



### Description

Double-skin horizontal cylindrical tanks made in carbon steel quality S 235 JR according to UNI EN 10025 and provided with structural steel saddles. Tanks are designed and manufactured in compliance with standard UNI EN 12285-2, made with shell plates and dished ends assembled according to a certified welding process. Each tank is pressure - tested at 1 bar or 0.5 bar for the interstitial space and are provided with a calibration table. This type of tank represents an ideal solution for storage or refuelling stations where safety and environmental protection are strictly required.

## Main features

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- Ø 600 mm access manhole complete with gasket and bolted cover.
- Structural lifting lugs.
- Steel ladder and handrail to easy access the menhole (from 9.000 L model).
- Loading access port with lockable quick cap and overfill protection valve.
- Vent provided with flame arrestor net.
- Suction line provided with foot valve and strainer.
- Aluminium-made dip stick calibrated gauge to manually measure the fuel level; in alternative a mechanical floating level gauge or a magnetostrictive level probe.
- Leak detection system for interstitial space, available three models (more information on the dedicated page on section "Fuel monitoring")
  - WOLFTANK D9
  - EUROVAC NV
  - LAG 14 ER

### DOCUMENTS & CERTIFICATES:

- Use and maintenance manual.
- Declaration of Conformity to UNI EN 12285-2.
- EC Conformity Declaration of fuel delivery unit.
- Pressure Testing certificate.
- Calibration Table



## Fuel station containerized

Metal Box containers fully fitted and homologated for the storage and dispensing of fuels and lubricants.



### Description

Fuel station containerized, for the distribution of diesel and petrol, with tanks of variable capacity. Composed of an ISO container, divided into two main compartments, compartment for tanks and compartment for dispenser and housing for generator. Stations equipped for shipments by sea, 20 and 40'. Stations equipped for ground shipping, 10, 12, 15, 20 and 40'.

## Main features

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- Top lockable hatches to get access to the manholes of tanks and refuel from above.
- Double doors container (one for tanks' section and one for dispensers' section) .
- Separate compartment for generator or other equipment, complete with lockable door (upon request).
- Ventilation grills on all doors to allow proper ventilation of sections.
- CSC Certificate for maritime shipping valid for 3/5 years.
- Painted RAL 9010 or similar.
- Possibility to customize the containerized station with company's stickers on both sides of the container.
- ATEX Neon light 36 W in the dispenser section.
- ATEX Emergency button in the dispenser section.
- ATEX Light Switch in the dispenser section.
- Leak detector systems and alarms (in case of double skin tanks).
- Electric switchboard in the generator compartment.



# Aviation Systems

We provide Aviation Refueling Systems of our standard design, or tailored to suit the needs of our clients.



Electronic level gauge.



Hose reel equipped with rollers



Grounding system.



Coalescing-separator filter

## Description

Complete and high qualitative aviation refuelling systems designed to deliver fuel in a safe and uncontaminated way. In compliance with IATA - JIG 4 guidelines (Aviation Fuel Quality Control and Operating Standards for Smaller Airports). Our in-house design department provides services from detailed drafting to customer specifications up to complex and technically challenging projects, including conceptual design. We can design and manufacture fuelling systems for any type of aviation fuel, as JET A1, JET B, AVGAS, JP-8, etc. and for any sector such as small airports, agriculture (aerial spraying), sport facilities, hospitals and medical transports, construction, firefighting, search and rescue, tourism, trainers and military uses. Our systems are designed and manufactured in accordance with IATA (International air transport association) guidelines for aviation fuel quality control and operating procedures for smaller airports and using top quality equipment and accessories.



## Main features

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- No copper or cadmium alloys, cadmium plating, galvanised steel or plastic materials are used for piping.
- Tanks: both underground double-skinned tanks or aboveground fully bunded tanks can be made in stainless steel or in carbon steel internally coated with an epoxy resin approved for aviation fuels.
- Tanks are designed and manufactured to avoid ingress of water and dirt and to provide a positive low point to collect water and sediment for ease of removal.
- Pressure/vacuum relief valves for Avgas storing and free vent devices for JET fuel storage, equipped with screen to prevent the ingress of foreign objects.
- Separated fuel inlet and outlet connections, properly sized.
- Manhole to facilitate entry for gas freeing and cleaning.
- Gauge hatch to provide means of sampling and tank dipping.
- Aluminium or stainless steel floating suction arm equipped with check cable, for tanks with capacity of more than 20.000 L.
- All tanks are fitted with a system to prevent overfilling.
- All equipment and any conducting body are electrically bonded to have the same electric potential at every point.
- Spring rewind bonding reel with cable guides and ball stop equipped with galvanised or nylon coated cable provided with grounding clamp.
- Explosion proof electrical panel.
- All wetted surfaces are made of non-rusting material compatible with aviation fuel.
- Aluminium dip stick calibrated gauge to determinate manually the fuel level.
- Strainer to protect the pump from damage by foreign matter or pipeline debris.
- Positive displacement vane pump, self-priming, builtin bypass, flow rate up to 1.000 lpm.
- Positive displacement flow meter, properly sized.
- Aviation refuelling hose conform to API 1529 and BS-EN 1361.
- Overwing or underwing fuelling nozzle, quick disconnect device, bonding cable and clamp.
- Filter monitor meeting the performance requirements of latest edition of API/IP specifications.

### ON REQUEST:

- Containerised refuelling systems.
- Coalescing-separator filters, qualified to latest edition of API-1581.
- Deadman system controlled via a hand held switch.
- Stainless steel fuel decanters.
- Manual pump for draining water from the tank sump and for fuel sampling.
- Automatic grounding system: the system restricts the pump from starting until proper grounding is reached; it stops the refuelling operation automatically if grounding contact is missing.
- Fire Protection equipment.
- Visual check fuel sample equipped with Shell water detector.
- Wide range of adapters and couplings.
- Electronic level gauges.
- Digital Conductivity Meter.
- Fuel sampling ports.
- Bacterial Field Test Kit, Microbmonitor and FUELSTATM Resinae which allows accurate semi-quantitative analysis of fuel for bacteria and fungus directly in the field.
- Stainless steel buckets, sample jars and retention sample cans.
- Density Conversion Table and wide range of thermometers and hydrometers.
- Kits for determining dirt / particulate contamination in jet fuels.

ON

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# Underground tanks

# 03

## Underground tanks

Underground tanks



# Underground tanks

Underground steel tanks for the storage of oil products, water reserves for firefighting applications and water polluting liquids.



### Description

Horizontal cylindrical single and double-walled tanks for underground storage of flammable and non-flammable liquids. Made by using shell plates and dished ends made in carbon steel quality S 235 JR complying with UNI EN 10025. The external and internal joints are tight welded. All components are produced according to rules and regulations in force and in particular tanks are designed and manufactured in compliance with the European Standard UNI EN 12285-1. Single-wall tanks: form an impermeable containment; they act as the inner tanks of double-wall tanks. Double-wall tanks: for these tanks, a secondary wall is welded around the inner tank, which forms an impermeable self-contained tank. These tanks are provided with two sockets for the leak detection system in order to permanently monitor the integrity of the tank. All tanks are provided tested. Tests are pressure tests and are performed to check the integrity of both inner tank and outer tank.

## Main features

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### FIELDS OF APPLICATION:

- Service stations.
- Private fuel stations.
- Storage of flammable liquids for heating systems.
- Feeding tanks for generators.
- Storage of aircraft and ship fuels.
- Storage of chemicals and water-polluting liquids.
- Water reserve for fire-fighting systems.
- Irrigation systems.
- Collection and storage of rain water.
- Drinking water storage.
- Storage of lubricants and waste oils.
- Collection and storage of liquids in general.

### EXTERNAL COATINGS:

Each tank is provided with an external protection coating which also acts as cathodic protection. The external coating of each tank undergoes a high-voltage test in order to prove its integrity.

- EPOXY-TAR: protection coating consisting in an epoxy-based, 2-component product made with epoxy resins modified by a coal tar-based hydrocarbon resin.
- FIBERGLASS (GRP): external treatment based on polyester resins reinforced with fiber-glass material.

### INTERNAL COATINGS:

When an internal coating is required, the inner surface is prepared in accordance with the customers' requirement and the coating manufacturer specifications to ensure permanent adhesion of the selected coating. On request we can provide the following treatments:

- Internal coating for non-drinking water: an anticorrosive layer of epoxy-based two-components resin.
- Internal coating for drinking water: a bicomponent polyamine epoxy coating which is certified for prolonged contact with drinking water and food.
- Internal coating for aviation fuels: a light coloured epoxy-phenolic resin free from zinc, cadmium and copper alloys.

## Accessories

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- Access manholes complete with gasket, bolted cover, couplings and fittings.
- Structural lifting lugs.
- Grounding point.
- Interstitial space plugs.
- Mechanical and electronic level gauges.
- Leak control devices to permanently monitor the integrity of interstitial space.
- Tank pits, risers, manhole lids, also spring loaded, both pedestrian and vehicular.
- Strengthening rings and floor anchoring systems.
- Wide range of fuel pumps and dispensers.



04

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# Zapfanlagen

# 04

## Fuelling system

Dispensing cabinets

ES-Pump

FIMAC

FIMAC Mid

ECO

CVTV

Cube 50 - 70

Cube 70 MC

Diesel Kit

Petrol Kit

DK 200

Emil Filter



# Dispensing cabinets

Metal cabinet with hinged front door and equipped with safety lock



A/50



A/70



A/90



A/BATT

## Description

- Oven-baked powder coated metal cabinet with hinged front door and equipped with safety lock.
- Switchboard contained in a dedicated IP 55 protection box including on/off switch, emergency button and the minimum level pump shut-off device.
- Self-priming rotary vane electro-pump, flow rate 50-70-90 L/min, built in by-pass system, line strainer, 230 V AC single-phase motor or 400 V AC three-phase motor (also available with manual rotary pump or battery pump). Pumps consist of a cast-iron casing, sintered steel rotor and acetabular resin blades and mechanical seals. Grade of protection: IP55.
- Mechanical fuel meter, nutating-disk type, designed for non-commercial use only; it consists of a mechanical readout device with rotating wheels. Subtotals can be set to zero. Progressive total counter. Accuracy: +/- 1% of the flow range after calibration. Repeatability 0,2%, max operating pressure 10 bar.
- 4 m of rubber hose for oil and Diesel fuel.
- Automatic fuel nozzle.



# ES-Pump

Diesel fuel dispensers, designed and homologated for non-commercial use for underground and above-ground tanks.

## GLM - M



## GLM - C



## Description

Emiliana Serbattoi has designed and developed an exclusive range of Diesel fuel dispensers. A thorough analysis of customers' needs and the long experience in the fuelling field, led Emiliana Serbattoi to bring out an high efficiency and low-maintenance line of Diesel fuel dispensers called ES PUMP. The ES PUMP line consists of an exclusive attractive shape, sturdy and reliable family of dispensers for non-commercial use for both underground and above-ground tanks. ES PUMP dispensers allow quick, safe and reliable refuellings of vehicles, and provide several solutions to control and monitor the fuelling operations and the fuel consumption. This line of equipment can be provided in both versions, mechanic head and electronic head with calculator. All models are equipped with a filtration unit which provides extra protection removing impurities and water from fuel; these filters ensure a superior in-line protection of mechanical parts and an high level of fuel purity.

## Main features

Self-supporting stamped-plate frame treated with a corrosion-resistant layer and oven-baked powder coated as finishing. The exclusive attractive shape, the sturdy construction, the high efficiency and the low-maintenance design make these dispensers an ideal solution for all non-commercial refuelling needs.

- Self-ventilated enclosed motor provided with thermal protection.
- Self-priming vane pump, built-in bypass valve, mechanical seal, strainer, flow rate 70 lpm or 90 lpm.
- Nutating-disk fuel meter for non-commercial use, provided with mechanical readout system.
- Water separator filter.
- Emergency mushroom-type shut-off button.
- Automatic fuel nozzle with swivel joint.
- 4 m. of antistatic rubber hose.
- Nozzle holder built-in the dispenser chassis.
- Safety key lock.
- Dimensions: 540x360x1000h mm.

## Outfittings

### GLM-M

Mechanical type, sturdy and reliable dispenser for non-commercial use; exclusive attractive shape, high efficiency and low-maintenance design.

#### TECHNICAL SPECIFICATIONS AND PERFORMANCES:

- AC motor, available both as single-phase (230 V - 50 Hz) and three-phases (400 V - 50 Hz) version.
- Self-priming volumetric vane pump, flow rate: 70 L/min (GLM-70-M) or 90 L/min (GLM-100-M).
- Nutating-disk fuel meter, designed for noncommercial use only, mechanical readout device with rotating wheels, 4-digits subtotal can be set to zero and progressive 7-digits totaliser. Accuracy +/- 1% of the flow range after calibration. Repeatability 0.2%, max operating pressure 10 bar.
- Water absorbing filter.
- Minimum tank level pump stop.

### GLM-C

Sturdy and reliable dispenser for non-commercial use. Exclusive attractive shape, high efficiency and low-maintenance design. This Diesel fuel dispenser for non-commercial use is equipped with MC electronic register, for quick and accurate fuelling operations, which can be used only by authorised personnel (max. 80 users). It is fitted with a local memory capable of storing data for the latest 250 fuel deliveries. Can be set up to accept vehicle registration numbers and odometer reading. Thanks to a dedicated software it is possible to control and monitor the fuelling operations and the fuel consumption.

#### TECHNICAL SPECIFICATIONS AND PERFORMANCES:

- AC motor, single-phase (230 V - 50 Hz).
- Self-priming volumetric vane pump, flow rate: 70 L/min (GLM-70-C) or 90 L/min (GLM-100-C).
- Pulser meter, model K600, electronic, high-precision and low pressure loss type. It is based on oval gears measuring principle.
- Able to control up to 80 users provided with code/password or magnetic key.
- Local memory up to the last 250 dispensing operations.
- Possibility of entering the vehicle code/ID number and odometer reading.
- Water adsorbing filter.
- Minimum tank level pump stop.
- Display protection which consists of a sliding door panel.

## Accessories

- Steel riser for ground installation, H= 537 mm. cod. GLMYPIDISTALL.
- Steel frame for concrete basement fixing. cod. GLMYMURATURA.
- (Only for GLM-M) PULSER meter, oval gears type, necessary to connect the fuel dispenser with a fuel management systems in order to control and monitor the fuelling operations and the fuel consumption.
- (Only for GLM-C) User electronic key (kit of n. 10 yellow keys), cod. CHIAVEUTENTEGIALLA.
- (Only for GLM-C) PC interface for transferring data by cable from dispenser to PC. This kit includes n. 1 USB converter (mod. PW14) + n. 1 CD software. Cod. CONVUSBPW114CD.
- (Only for GLM-C) Data transferring Kit, composed of n. 1 Key reader, n. 10 user keys, n. 1 manager key, n. 1 CD software, n. 1 USB adaptor. Cod. GLMKITCHIAVIGIALLE.

## Product code

GRP	X	X
Model	Volume	Distributor model
GRP = Dispensing system	100 = 90 lpm 70 = 70 lpm	C = C M = M

Not all combinations are available



# FIMAC

Fuel dispensers for industrial purposes.



### Description

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Diesel fuel dispenser, heavy duty construction; approved for Class C fuels and for non-commercial use.

### Main features

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- Corrosion-resistant stainless steel chassis and panels.
- Compact volumetric vane pump, cast iron body, equipped with inline strainer, check valve, air eliminator and internal adjustable by-pass valve.
- Flow rate: 80 lpm.
- Three phases, 400V - 50 Hz motor or single- phase BC (option) - 50 Hz power supply.
- Four-piston meter, consisting of a sleeved body in which four pistons drive two connecting rods, guaranteeing enhanced reliability. Accuracy: +/- 0.2%.
- Electronic head with calculator or mechanical register.
- LCD display with backlight.
- High precision Eltomatic pulser, ready to be connected with a fuel management system.
- ZVA automatic fuel nozzle.
- 5 m of flexible rubber hose.
- EEXD - ATEX certified motor in compliance with European Directive Atex 94/9/CE.
- EC certified and Metric approval.

### Accessories

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- Steel frame for concrete basement fixing. COD. FIMACYMURATURA.





## FIMAC Mid

NEW

Fuel Dispenser Fimac, MID certified, for the supply of Diesel + Gasoline or Diesel + Diesel, approved for commercial use (resale of fuel) and approved for classes C fuel.



### Description

Fuel Dispenser FIMAC, MID certified, for the supply of Diesel + Gasoline or Diesel + Diesel, approved for commercial use (resale of fuel) and approved for classes C fuel.

### Main features

- Nr. 2 FIMAC vane pumps, with built-in degasser (only for Gasoline pump), with a nominal flow-rate range from 40 to 130 l / min, ATEX approved.
- Nr. 2 Eexd electric motors, power 1.0 HP 380 V, Atex approved.
- Nr. 2 FIMAC volumetric flow-meters, model LUX60 Atex approved with four pistons, cast iron body, adjustment on each of the four pistons, measurement accuracy +/- 0.2%, very high repeatability.
- Dispenser approved by Tuv Nord.
- The hydraulic unit FIMAC (pump and meter), is MID (Measuring instruments directive- 2004/22/ EC) certified and ATEX approved with EEC certificate; headers are all approved for the resale of fuel.
- Electronic double header, model Tw1, with single-sided LCD display in liters.
- N.2 Atex automatic pulsers.
- Flexible dispensing hose for Diesel, diameter 18/30", length 5 meters.
- Antistatic flexible dispensing hose for Gasoline, diameter 18/30", length 5 meters.
- Dispensing ZVA 4.2 nozzle for Diesel.
- Dispensing ZVA 4.2 nozzle for Gasoline.
- Pump equipped with vapor recovery system with Atex approval (only for gasoline version).
- Nozzle holder and aluminum spout holder.
- Dispenser structure and frame in stainless steel

### Accessories

- Steel frame for concrete basement fixing. COD. FIMACYMURATURA.





# ECO

Diesel fuel dispenser for underground and above-ground tanks.



### Description

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Diesel fuel dispenser approved for Class C fuels and for non-commercial use, suitable for underground and above-ground tanks.

- Corrosion-resistant chassis and panels.
- Compact volumetric vane pump, cast iron body, equipped with inline strainer and internal adjustable by-pass valve.
- Flow rate: 50-70 lpm.
- Three phases, 400 V/50 Hz motor (pump) or single-phase BC power supply.
- Four-piston meter, consisting of a sleeved body in which four pistons drive two connecting rods, guaranteeing enhanced reliability.
- Accuracy: +/- 0.2%.
- Electronic head with calculator or mechanical register.
- LCD display with backlight.
- High precision Eltomatic pulser, ready to be connected with a fuel management system.
- ZVA automatic fuel nozzle.
- 5 m antistatic flexible rubber hose.
- EC certified and approved for Class C fuels.

### Accessories

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- Steel frame for concrete basement fixing. Cod. FIMACYMURATURA.



## CVTV

Integrated fuel monitoring and dispensing system for non-commercial use.



### Description

Integrated Diesel fuel dispenser, approved for Class C fuels and for non-commercial use, combined with EMILTOUCH® fuel management system, designed and manufactured to assist fleet managers in maximising the efficiency of their vehicles and drivers. Mechanical and electronic components have been designed and built with advanced technologies in order to create an unequalled 24-hours fuel management system and meet the highest safety standards. For additional information refer to Emiltouch sections and to ECO fuel dispenser.

## Main features

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### PUMP COMPARTMENT:

- Corrosion-resistant chassis and panels.
- Compact volumetric vane pump, cast iron body, equipped with inline strainer, check valve, air eliminator and internal adjustable by-pass valve.
- Flow rate: 80 lpm.
- Three phases, 400V - 50 Hz motor or single-phase BC (option) - 50 Hz power supply.
- Four-piston meter, consisting of a sleeved body in which four pistons drive two connecting rods, guaranteeing enhanced reliability. Accuracy: +/- 0.2%.
- Electronic head with calculator or mechanical register.
- LCD display with backlight.
- High precision Eltomatic pulser, ready to be connected with a fuel management system.
- ZVA automatic fuel nozzle.
- 5 m of flexible rubber hose.
- EEXD - ATEX certified motor in compliance with European Directive Atex 94/9/CE.

### FUEL MANAGEMENT SYSTEM:

- Power Supply: single-phase 230 V - 50 Hz.
- The fuel management system reads the parameters set on the Tag and allows the refuelling only if it has complied with the instructions that are displayed (by entering odometer reading, personnel codes, etc.).
- It allows the independent management of the system without needs of supervision or dedicated personnel.
- It records all data on Microsoft SQL database.
- It processes statistics and average calculation of fuel consumption.
- Every fuelling operation is tracked and processed.
- Continuous monitoring and management of tanks' stock.
- It permits several customized restrictions for each TAG, as maximum number of deliveries, product and quantity for any TAG, working time-restrictions, setting of personal password/code as well as many others.
- The system can be updated via TAG, LAN, USB connection or SMS.
- Operations can be filtered and displayed on the basis of date, driver, vehicle, site, dispenser, as well as between two dates, by day, week, month and many other parameters.

For additional information refer to EMILTOUCH® sections and to Eco fuel dispenser.

## Accessories

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- Steel frame for concrete basement fixing. Cod. FIMACYMURATURA



# Cube 50 - 70

Diesel fuel dispensers



## Description

CUBE pumps have been developed for the distribution of Diesel fuel in non-commercial uses. By use of CUBE fuel pumps, vehicles can be refuelled quickly and safely, with various options for measuring and recording the quantities dispensed. The flow-meters mounted on CUBE pumps have sturdy mechanical readout systems whose reliability and easiness to use have been proved by time. Simple and versatile, CUBE pumps can also be installed on drums, thanks to their 2" quick couplings.



## Main features

- Self-supporting stamped-plate structure, treated against corrosion and paint-finished, ready to install.
- Self-priming vane pump, fitted with bypass valve and mounted on antivibration supports.
- Mechanical seal.
- Self-ventilated enclosed motor (IP 55), single-phase versions provided with heat protection.
- Intake strainer for pump protection.
- Nutating-disk fuel meter with mechanical readout system.
- Automatic fuel nozzle complete with flexible hose and swivel connection.
- In-built nozzle-holder provided with pump start/stop lever.

### PERFORMANCES:

- Flow-rate (max): up to 56 L/min (Cube 50) and 70 L/min (Cube 70).
- AC motor, 230 V - 50 Hz.
- Noise level: below 70 dB.
- Fuel meter accuracy:  $\pm 1\%$ .
- Speed: 2800 rpm.
- Power: 360 W (Cube 50) and 550 W (Cube 70).

## Accessories

- Steel pedestral. Cod. CUBE70YPIED.

## Product code

GRP	X
<b>Model</b> GRP = Dispensing system	<b>Distributor model</b> C50 = Cube 50 C70 = Cube 70

Not all combinations are available



# Cube 70 MC

Diesel fuel dispensers whit refueling control system



## Description

CUBE 70 MC has been designed and manufactured to cater for the demand for a compact diesel-fuel dispenser for private use; it is easy to install, ensures fast and precise dispensing and can only be used by qualified personnel. A dedicated software permits exporting data to a PC. The compact body contains the nozzle holder, the pump, the meter and the electronic unit.

## Main features

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MC electronic system allows:

- Pump start.
- Recognition and control up to 120 users provided with code/password or magnetic key.
- Dispensing with preselection.
- Acquire data from pulser meter and record any fuelling operation.
- Control a minimul level switch and shut off the pump when minimul level is reached.
- Stop the pump motor when the nozzle micro-switch is turned on.
- Download data into a PC.
- Connection with a printer.

TECHNICAL SPECIFICATIONS AND PERFORMANCES:

- Vane pump with built-in bypass, flow rate 70 L/min.
- Induction motor, max current 6,5 A, 230 V - 50 Hz with overheating protection. Protection grade IP55.
- Mesh filter in the pump intake.
- Pulser meter with oval gears, mod. K600.
- Accuracy:  $\pm 0.5\%$  within flow rate range.
- Automatic nozzle with swivel joint and 4 m diesel fuel hose.
- Electronic control unit with double - display and keypad for entering code numbers.
- Pre-selected dispensing.
- Local memory capable of storing data for the last 250 deliveries.
- Possibility of entering ID numbers and odometer readings.
- Records date and time of dispensing.

## Accessories

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- User Electronic key (kit of n. 10 yellow keys). Cod. CHIAVEUTENTEGIALLA.
- Data transferring Kit, composed of n. 1 Key reader, n. 10 user keys, n. 1 manager key, n. 1 CD software, n. 1 USB adaptor. Cod. GLMYKITCHIAVIGIALLE.
- PC interface for transferring data by cable from dispenser to PC. This kit includes n. 1 USB converter (mod. PW14) + n. 1 CD software. Cod. CONVUSBPW14CD.
- Steel pedestral, cod CUBE70YPIED.

## Product code

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GRP	X
<b>Model</b> GRP = Dispensing system	<b>Distributor model</b> 7MC = 7MC

Not all combinations are available



# Diesel Kit

Portable Diesel fuel transferring unit.



Filtro in aspirazione  
Suction filter



## Description

Portable unit for Diesel fuel transfer, fitted with battery pump, 12 V or 24 V, suction and delivery hoses, filter and fuel nozzle. Thanks to its small size, reliability and ready-to-use configuration, it is especially useful when fuel must be transferred or dispensed safely having only battery power on hand. Typical fields of application are construction sites and earth moving, agriculture, gardening, boating and yachting.

## Main features

- Power supply: 12 V DC or 24 V DC.
- Consumption: 22 Amp (12 V DC) - 11 Amp (24 V DC).
- Max flow rate: 40 L/min.
- Suction height: up to 1,5 meters.
- Working temperature: -20°C / +60°C.
- Duty cycle: 30 min.

## Outfittings

- Self-priming volumetric rotary vane pump, with cast-iron casing.
- Fixed-brush motor with permanent-magnet stator.
- Terminal board for switches and circuit-breakers.
- Battery cable, 4 m length, complete with clamps for battery connection.
- Delivery fuel hose, 3 m length, size 3/4", suitable for Diesel fuel.
- Aluminium manual nozzle.
- Suction fuel hose, 3 m length, size 3/4", suitable for Diesel fuel.
- Bottom suction filter.
- Manual fuel nozzle.

## Accessories



**Strainer filter stainless steel**



**Digital fuel meter, mod. M24, for Diesel Fuel**

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
DIESELKIT	600	420	230



# Petrol Kit

Portable petrol fuel transfer unit.



## Description

Portable unit for petrol transfer, fitted with ATEX certified battery pump 12 V, suction and delivery hoses, filter and fuel nozzle. Thanks to its small size, reliability and ready-to-use configuration, it is especially useful when fuel must be transferred or dispensed safely having only battery power on hand. Typical fields of application are construction sites, agriculture, gardening, boating and yachting.

## Main features

- Power supply: 12 V DC.
- Consumption: 22 Amp (12 V DC).
- Max flow rate: 40 L/min.
- Suction height: up to 1,5 meters.
- Working temperature: -20°C / +60°C.
- Duty cycle: 30 min.



## Outfittings

- Self-priming volumetric rotary vane pump, ATEX certified,, with cast-iron casing.
- Fixed-brush motor with permanent-magnet stator.
- Terminal board for switches and circuit-breakers.
- Battery cable, 4 m length, complete with clamps for battery connection.
- Delivery fuel hose, 3 m length, size 3/4", suitable for petrol.
- Aluminium manual nozzle.
- Suction fuel hose, 3 m length, size 3/4", suitable for petrol.
- Bottom suction filter.
- Manual fuel nozzle.

Optional:

- Filter and fuel meter

## Accessories



**Strainer filter stainless steel**



**Digital flow meter for gasoline K24  
ATEX**

For diesel and gasoline. Impurity  
filtration. Filter capacity 60µm. Flow  
rate 50 l/min.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
PETROLKIT	600	420	230



## DK 200

High flow rate portable dispenser unit.



Handy Kit (optional)



Handy Kit (optional)



Fuel meter (optional)



Pistola di erogazione ad alta portata (optional)

### Description

High flow rate portable dispenser unit. DK 200 dispenses Diesel fuel at a rate of up to 200 L/min and controls the flow with great precision ( $\pm 1\%$ ) thanks to the oval-gear flow meter (on request). The low weight of the unit and the possibility of fixing wheels make it easy to handle and suitable for operating on worksites where vehicles with large storage tanks are required. The unit features a sturdy steel frame.

### Main features

- Flow rate up to 200 L/min.
- Inlet/Outlet: coupling 1" 1/2 BSP.
- Continuous AC operation, 230 V - 50 Hz.
- On/Off switch.
- Electrical cable, 6 m length.
- Noise level below 75 dB.

## Accessories

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- Handy Kit: wheels and handle (Cod. DK200YHWKIT).
- Fuel Meter: model K700, oval gear type, flow rate up to 220 L/min, accuracy: +/- 1%. (Cod. CTLK700).
- Hose kit, size 1" 1/2, complete with rubber hose 10 m + camlock coupling. (Cod. TUB112MT10GASRACCAM).
- High flow nozzle, flow rate up to 280 L/min with swivel. (Cod. PISTAUTA280).



# Emil Filter

Mobile unit for diesel purification and tanks cleaning

NEW



## Description

The Emil-Filter mobile unit allows the customers to purify and clean fuel by separating water and impurities: this dual function is performed through two filtering systems (one in input and one in output from the pump) installed on a mobile cart, complete with suction and delivery hoses and equipped by an automatic nozzle. Emil-Filter, also complete with two puncture-proof wheels, has a tubular frame in red colour equipped with brackets to wrap the hoses, support for electric pump and spill containment basin.

Available upon request the version for gasoline and aviation fuels.

## Main features

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- 1 spill containment basin on the base complete with galvanized grate for the collection of possible fuel leaks.
- 1 AC electric pump 220V or 380 V, flow-rate 100 l / min., (it can be equipped with different types of pumps in terms of voltage, flow-rate and type of liquid to be pumped). The pump can suction the product with a maximum head of 4 meters and with a depression up to 1.5 Bar.
- 4 meters of 1 " hose suitable for the suction of fuel complete with filter-mesh.
- 4 meters of 1 " hose suitable for the fuel dispensing of the product, complete with automatic nozzle.
- First filter with 25 micron filtering capacity for the impurities and water absorption and separation, with maximum operating pressure of 100 PSI, maximum flow 200 lt / min.
- Second filter with 25 micron filtering capacity for the impurities and water absorption and separation, with maximum operating pressure of 150 PSI, maximum flow 100 lt / min., Bayonet lock with bolts, pressure indicator for cartridge change and manual vent and drainage valves.

## Accessories

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On request it is also possible to apply a bactericidal conditioner (model: PureFuel) which fights the creation of algae and bacteria present in the hydrocarbons and guarantees a minimum of 28 days of purified fuel from algae and bacteria. This additional filtration system allows all the other filters to keep working properly and prevents any corrosion of the tank and of the various components.

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## Fuel monitoring



# 05

## Fuel Monitoring

Emilprobe®

Emiltouch®

ES Level

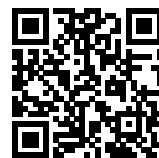
OCIO

MC Box

WOLFTANK D9

Eurovac NV

LAG 14 ER



## Emilprobe®

Alarm system that continuously monitors, in text and graphic form, the liquid in the tank (actual volume, level, temperature and the presence of water)



### Description

Emilprobe® is a probe, which performs real-time monitoring of the liquid inside the storage tanks for private or commercial use. Emilprobe can be controlled locally by means of a touchscreen electronic unit as well as remotely by means of a smartphone. Above all, Emilprobe is equipped with an innovative alarm system, which detects abnormalities in the fuel values and sends immediately an SMS-message and an e-mail to 5 different cell phone numbers and 5 e-mail addresses. In this manner, the owner of the tank is updated immediately in case of an unexpected level drop that may be a theft. And when occurs the level drop the pump is blocked and it is not possible to refuel. Emilprobe® can manage up to 120 users.

The Emilprobe system software constantly monitors in text and graphic form, the actual volume and the level in millimeters of liquid in the tank; furthermore, if coupled with an ES-level or ES- LEVEL DIGIMAG probe, the system may also monitor the temperature in degrees and the presence of water in millimeters.

Emilprobe system is connected with a pneumatic level probe: Level Inspector. The software of Emilprobe system constantly monitors and displays the following values of liquid in the tank:

- Volume in liters and fuel level in millimeters.
- Presence of water in millimeters (available only with ES-Level or Digimag probe).
- Temperature in degrees (available only with ES-LEVEL or DIGIMAG probe).

## Main features

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### TECHNICAL FEATURES

- IP55 Box Dimensions: 19 x 13.5 x 8 cm (L x H x W).
- Color display 4.3 "WQVGA-resolution (480x272) touchscreen.
- RS485 opto-isolated interface for connection to the probe ESLEVEL / OCIO.
- GSM / GPRS / GPS Simcom 908/928.
- 2 dry contact relay.
- Supply: BC / 50Hz.
- 100 records (Logfile) of latest operations / modifications to the software.
- 4 AA rechargeable batteries.
- Input Mass Storage USB to upload Tank Calibration Table / save operations / Insert company's Logo.

Only for the version with Level Inspector:

- liquid level control system Resolution 1 cm.
- terminal heater.

### ONLINE VERSION FEATURES & BENEFITS

- Access to the system via private credentials on a free website.
- User authorization to refuellings after login on the panel.
- Geo-localization of tanks connected to the manager account.
- Real-time consumption report and level and stock situation of tanks.
- Web mapping of the tanks to reach.
- Web mapping of the fuel discharged to tanks.
- Web mapping of the nearest tank for fuel discharge. Nearest tank web mapping for fuel drain.
- Data export to spreadsheets for refuellings, loadings and stock.



# Emiltouch®

Refuelling operations control, monitoring and management system.



## Description

Emiltouch® is a touch-screen type refuelling operations control, monitoring and management system. Homologated by Italian Ministry of Interior. Homologation nr. DCPST/A7/11140/AT/09189 dated 30/07/2010 and subsequent renewals and extensions. Based on Microsoft SQL operating system, it consists of a touchscreen integrated module, 8" colour LED display, TAG proximity reader, GPRS module, I/O board and power supply module. Emiltouch® is designed to be connected with PC/ Server via LAN, GPRS communication technology, as well as for downloading data via electronic Card; it is a useful tool to assist fleet managers in maximising the efficiency of their vehicles and drivers. Emiltouch® combines a leading-edge technology with a fine look, creating an unequalled 24-hours fuel management system with the quality and the reliability that Emiliana Serbatoli is renowned for. Emiltouch® system can be installed in both SERVER and CLIENT version to allow the remote control of multiple sites and is also compatible with Microsoft® 32 bit and 64 bit operating systems.

### ALARMS MANAGEMENT:

Emiltouch® system, by means of GPRS connection activated by the SIM Card which is inserted into the integrated modem, can send level ALARMS via SMS and email to a group of preset numbers and addresses. The system can send SMS and emails making reference to the following alarms or values achieved:

- **LOAD DETECTED:** the system will report the amount of liquid loaded in the tank during the filling operation.
- **TANK RESERVE:** the system will give warning by email or SMS once the preset reserve's value is reached.
- **RISING WATER LEVEL ALARM:** (available only for systems equipped with probes provided with water detector sensor): the system will report via SMS/email the water level when increased beyond the preset limit in mm.

- **UNAUTHORIZED ANOMALOUS DROP:** if the system detects an unauthorised level decreases it will send an SMS/ email alarm message. This anomalous drop value can be preset in millimeters by means of the dedicated software.

## Main features

- Sturdy and maintenance-free stainless steel casing provided with key lock.
- Impressive 8" graphics color LED touch-screen display, resistive type.
- Can be activated either by vehicle TAG, driver TAG or personal code.
- Automatic identification and authorisation only for personnel provided with pre-programmed TAG.
- Every fuelling operation is tracked, processed and recorded in Microsoft® SQL Database.
- The system is designed to improve the control of unattended refuelling operations.
- It allows the independent management of the station without needs of supervision or dedicated personnel.
- It combines RFID technology to identify vehicles/drivers and automated fuel management to process the refuelling operation details.
- It can be integrated with any Business Management Systems compatible with Microsoft® SQL.
- It processes statistics and calculation of average fuel consumption.
- Operations can be filtered and displayed on the basis of date, driver, vehicle, site, dispenser, as well as between two dates, by day, week, month and many other parameters.
- Continuous monitoring and management of tanks' stock.
- It permits several customized restrictions for each TAG, as maximum number of deliveries, max quantity for any TAG, working time-restrictions, setting of personal password/code as well as many others.
- The system can be updated via magnetic Card, via LAN, USB or SMS connection.
- TAGs contain a microchip that can be programmed and re-programmed several times.
- TAGs reading system is a proximity reading type which grants to avoid any dust, dirty or water penetration or any improper use of the system which may cause damages.
- In case EMILTOUCH® is connected to an electronic level probe, the system can also provide the following information: real-time accurate tank's stock volume, product level in mm, water level (if any) and fuel temperature; it can also provide a multi-purpose relays system which can be used for outputs such as overfill, minimum level, reserve or any other sensor alarm.

EMILTOUCH® system includes:

- N. 1 CD-ROM for software installation, SERVER - CLIENT version.
- N. 1 TAG HID Omnikey Reader/Writer.
- N. 2 DATA download cards.
- N. 2 SETUP cards.
- N. 30 TAGS for vehicles/drivers.

## Accessories

- Additional Reader/Writer for TAGS.
- Additional TAGs for vehicles / drivers.
- Flow meter K600/3 pulser for diesel with 1" flanged connections Cod. CTLK600PULSER
- Digital meter PULSER mod. M24, for Diesel. Cod. CTLK24PULSER

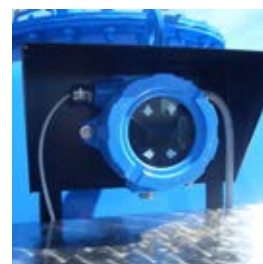
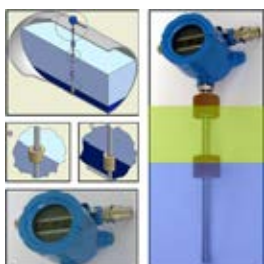
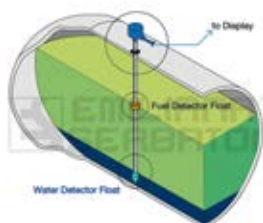
## Product code

EMILTOUCH	X
<b>Model</b>	<b>Version</b>
<b>EMILTOUCH</b> = Emiltouch	<b>K600PTF</b> = lowered housing for mounting on tank with pulser liter counter <b>PIED</b> = column housing, steel (does not include K600 pulser) <b>PTF</b> = low-profile housing for tank mounting (does not include K600 pulser) <b>PTFT</b> = reduced ABS housing for mounting on TRANSP0 (does not include K600 pulser)
Not all combinations are available	



# ES Level

Electronic fuel level gauge, magnetostrictive technology.



## Description

ES LEVEL is a magnetostrictive level probe based on the Wiedemann effect. This device performs a continuous and highly accurate reading of the level of liquid inside the tank. The level transmitter ES LEVEL consists of an elec flash technology, a stainless steel AISI 304 rod with a die cast aluminium head, closed-cell expanded PVC or stainless steel floats and an LCD alphanumeric display. The following is the operating principle: inside the probe tube there is a rigid wire made of magnetostrictive material. The sensor circuitry emits pulses of current through the wire, generating a circular magnetic field. The level transmitter is a magnet, which is integrated into the float. Its magnetic field magnetizes the wire axially. Since the two magnetic fields are superimposed, around the float magnet a torsion wave is generated which runs in both directions along the wire. One wave runs directly to the probe head while the other is reflected at the bottom of the probe tube. The time is measured between emission of the current pulse and arrival of the wave at the probe head. The position of the float is determined on the basis of the transit times. ES LEVEL can be connected to EMILTOUCH® fuel management system in order to provide continuous monitoring of fuel level inside tanks and display it via LAN or by means of an internet connection.



## Main features

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- Electronics: 16 bit flash technology microprocessor 16-MHz.
- Alphanumerical backlit LCD display.
- Power cable, 5 m.
- Tank connection: threaded nickel-plated brass, 2" M BSPP.
- Stainless steel AISI 304 rod.
- Temperature sensor (on request).
- Closed-cell expanded PVC float, diameter Ø 50 mm.
- Closed-cell expanded PVC ballast float for water detection (on request).
- Serial communication port: RS 485 type.
- Accuracy: +/- 0,5 mm, resolution: +/- 0,1 mm.
- Temperature accuracy (in the range -20 +70°C) +/- 0,2°C.
- Power Supply: 220 Vac or Battery 9 - 30 Vcc.
- CE certified and marked.
- N. 4 alarm relays (i.e. min level alarm, max level alarm, etc.).

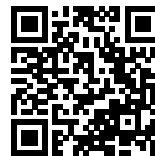
The following data are shown sequentially on the mono-chromatic alphanumeric display:

- Level of liquid in the tank (mm).
- Volume of liquid in the tank (L).
- Ullage: the empty space in the tank (L).
- Volume stored (%).
- Presence of water (mm).
- Fuel average temperature (°C).
- Volume compensation @ 15°C (L).
- Product weight (Kg).

## Accessories

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- Stainless steel floats for vegetable oil or other chemical aggressive fluids.
- MAGLINK Consoles for filling stations and fuel depots management.
- Available ATEXversion (CESI ATEX 020 II 1/2 GD Ex d IIC T6 Ex tD A21IP66/68 T85°C).
- ATEX version with a monochromatic alphanumeric display which can monitor to 1 probe/tank. (protection level: IP65) or with a color LCD touch-screen display (protection level: Eexd) that can monitor up to 16 probes/tanks.



# OCIO

Tank level indicator



## Description

OCIO is an innovative system for monitoring the fluid level inside atmospheric tanks. The system detects the static pressure generated by the fluid height by means of a tube inserted into the tank and displays the fluid level or its volume.

The system is composed of:

- A pipe for detecting the static pressure. The tube with its end is inserted from the top of the tank and dipped in the fluid down to the bottom of the tank.
- A control unit for level display and system management. The unit is provided with an intuitive and complete software and allows the connection of two alarm or lock devices.

By means of the software it is possible to:

- Set the type and the dimensions of the tank.
- Set up the level alarms.
- Set up the level indication.
- Set up the unit of measurement.
- Calibrate the instrument.

Depending on the set alarm levels, the control unit activates or deactivates the contact working as a remote switch activating the alarm devices or cutting off the power from the connected equipment

## Main features

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### TECHNICAL SPECIFICATION:

- Supply voltage: 230 V - 50 Hz (110 V - 60 Hz).
- Grade of Protection: IP 55.
- Full scale 4 m.
- Accuracy +/- 2% full scale.
- Contacts for maximum and minimum levels.
- Max tension: 250 Vac at 5 Amp (or 30 Vdc at 5 Amp).
- Probe tube length: 10 m (extensible up to 50 m).

### LEVEL INDICATION:

- Liquid height (mm, inches).
- Liquid Volume (liters, gallons).
- Filling percentage (%).

### MAIN ADVANTAGES:

- Continuous metering.
- Indication of height, volume, and filling percentage.
- Maximum and minimum levels alarms.
- High accuracy.
- Intuitive software installation and managing procedure.
- Easy installation.

## Accessories

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### OCIODESK

OCIO is available with a PC connection kit. This represents an ideal solution to the growing demand for methods of remote control of tank levels. Thanks to a new interface it is possible to connect up to 12 OCIO level gauges and transmit data to a PC by cable for a distance of up to 1000 metres. The system permits displaying of data relating to level, volume, % of contained volume.

### SOFTWARE PERFORMANCE:

OCIODESK is a dedicated software which has been developed to permit saving the historical tank level records according to different principles:

- at each time interval.
- at each level change.
- at each volume change.

With the recorded data, a diagram can be displayed showing the historical tank level records.

### TANK CONFIGURATION:

OCIODESK permits the configuration of every type/shape of tank. Besides the standard configuration, cylindrical or cubic, any other shape can be set. By selecting "Customer Tank" the tank information table can be compiled up to 1.000 points.

### ALARM CONFIGURATION:

N. 2 alarm levels can be configured through the dedicated software

### OCIO GSM

OCIO GSM responds to a demand for the remote monitoring of tank levels, displaying the current situation on a telephone display or at an e-mail address. A transmitter with a GSM modem is connected to the OCIO level indicator and, via one or more expansions, can control up to 8 tanks. Each tank is fitted with a level indicator which is connected by cable to the OCIO GSM box or to individual expansions. The system configuration can be set up by sending coded telephone messages.

The OCIO GSM system provides:

- Instant tank level reading.
- Set up of two alarms and transmission of messages to one or more enabled telephone numbers or to an e-mail address.
- Regular tank level readings sent at pre-set intervals to predefined telephone numbers or to an e-mail address

### ADVANTAGES:

OCIO GSM can be used in all situations where is required the level monitoring of unattended sites providing timesaving and accurate level monitoring in all situations. Alarm messages are sent directly to the fuel supplier or to service department in order to arrange tank filling/emptying, maintenance or waste fluid disposal. By sending regular messages is possible to enable site monitoring and guarantee the provision of continual service by the service personnel and product suppliers, leading to remarkable savings through the efficient logistic organisation of refuelling or disposal operations.



## MC Box

Multi-user panel for fuel consumption monitoring.



### Description

MC BOX is a multi-user control system to enable the control of the fuel consumption. The MC system consists in a multi-user electronic panel contained into a protection box, in a dedicated software and in several accessories necessary to export data from the MC panel to computer database.

#### PERFORMANCES:

- Pump switching ON/OFF.
- Identification of authorized users by means of i-button key or password.
- Preset the quantity to be dispensed.
- Managing of a pulser type meter.
- Managing a level switch in order to switch off the pump in case that the low level is reached.
- Managing a nozzle micro-switch combined with the nozzle holder.
- Direct connection with a computer for data export.
- Managing an external printer.
- The system is easy-to-install and weather proof.
- The wiring connection are located into electrical boxes easy to access.

## Main features

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- Sturdy casing, weather-proof, and easy to access.
- Electronic panel with double display.
- Keypad for entering code number.
- Magnetic keys / i- button reader.
- Max current: 6,5 Amp at 230 V.
- Pulser meter, mod. K600/3.
- Possibility to manage up to 120 users provided with user codes and magnetic keys.
- The total consumption per each user within a defined period.
- Local memory capable of storing data for the last 250 refueling.
- Can accept vehicle registration numbers and odometer readings.
- Records date and time of refuelling.
- Export data to PC by means of cable or memory key.

## Accessories

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- Dedicated software for refueling details and individual user summaries printings.
- Magnetic keys, i-button type (n. 1 red key- Manager + n. 10 yellow keys-user).
- Possibility to manage up to 16 control panels.
- Key reader with USB connector for data export to computer.
- RS converter with USB connector for direct connection with computer.



# WOLFTANK D9

Leak detection system for double skin tanks.



## Description

Wolftank D9 is a leak detector system to monitor the interstitial space of double skin steel tanks. The Wolftank D9 leak detector for overpressure systems with an alarm overpressure of 465 mbar is a class 1 leak detector according to EN 13160-1. It can be used for water polluting, non-inflammable liquids and hazardous inflammable liquids of classes A I, A II, A III and B.

### OPERATING PRINCIPLE:

The system monitors and maintains a certain pressure in the interstitial space. A built-in safety valve operates automatically when the pressure rises above 450 mbar. If the pressure drops below the preset level of 325 mbar, the system, in addition to switch a contact, activates an optical and acoustic alarm. Designed for installation in dry, accessible, frost-free rooms. Pressure type leak detectors are operated with dried air (10 % relative humidity). Drying filters with replaceable drying beads are used to dry the air. This leak detector system has to be installed outside an EX zone.





# Eurovac NV

Leak detection system for double skin tanks



## Description

Eurovac NV leak detector is a vacuum-type leak detector designed in compliance with EN 13160-2, class I for safe monitoring of double-walled and single-walled tanks with inner lining for the storage of inflammable liquids (mineral oil products) of danger class A III as well as AdBlue® (urea solution 32.5 %). The broad voltage range (AC 100–240 V) allows for application in a large variety of countries. Eurovac NV maintains a vacuum in the interstitial space of the tank (low vacuum range). The vacuum pump is operated by an economical DC motor with a high starting torque (energy efficiency class AA++). Eurovac features a switching output for additional equipment (such as EMS event reporting system) or integration into building control systems. The pump operating time can be displayed.



# LAG 14 ER

Leak detection system for double skin tanks.



## Description

LAG 14 ER is a class II (EN 13160-1:2003) leak detector system with an intrinsically safe probe circuit for the monitoring of double-skin tanks through a conductive fluid in the interstitial space. This system is composed of a control unit, a container for the monitoring fluid and a probe. LAG 14 ER can be installed on tanks which contain flammable liquids, non-flammable liquids and even explosives - class A I, A II, A III and B (Ref. VbF. Flammable liquids regulation). The control unit is connected through tubing inserted in the interstitial space of the tank and constantly monitors the integrity of both internal and external walls of the tank. The control liquid used to fill the interstitial space and the control unit container is an aqueous solution made with 30% of high-purity propylene glycol, a colorless, nearly odorless, clear, viscous liquid.

### OPERATING PRINCIPLE:

The system exploits the conductive properties of the detector fluid in which two electrodes are immersed and which can also activate the alarm circuit without any mechanical movement. The control unit constantly monitors the potential between the electrodes immersed in the liquid. In case leak occurs in the interstitial space, the liquid level in the tank decreases, changing the potential of the electrodes and, consequently, activating the alarms, both acoustic and optical. Alarms can be of local type, integrated in the system, and, where installed, remote via relay. The tank container LAG, made of antistatic plastic material, can be installed in potentially explosive zones. The electronic control unit is not of explosion proof type so cannot be installed in zones classified EX. A single control unit is able to monitor several tanks

Urea

Adblue<sup>®</sup> DEF

# 06

## ADBLUE® DEF

Bluetank

Bluebox

Bluebox - ST

Emilcaddy® 55 and 110 for AdBlue®

Emilcaddy® Car-Service

Carrytank® for AdBlue®

Hippotank® for AdBlue®

Sidepump ADB

IBC for AdBlue®

Emiltrolley®

Emiltrolley® Car-Service

Emiltrolley® MID

GPM for ADBLUE®

EmilBlue Station

Self service MC70 for ADBLUE®

ADBTHREE25

ADBBOX

AdBlue® DEF polyethylene tanks

KIT for ADBLUE®

GIANTank® for AdBlue®



# Bluetank

Polyethylene tanks for DEF storage and delivery



## Description

High - density linear polyethylene tanks, monolithic, with high mechanical, chemical and UV resistance. Available in azure color (basic line) and in white color (higher chemical resistance version).

- Available volumes: 2.000 L, 3.000 L, 5.000 L, 7.500 L and 10.000 L.
- Manhole with threaded lid, diameter 42 cm for 2.000 L, 3.000 L and 5.000 L tanks and 55 cm for 7.500 L and 10.000 L tanks.
- 1" vent device.
- 2" loading plug.
- 1" suction pipe.

## Outfittings

- Lockable steel cabinet.
- Self-priming diaphragm electropump, 230 V - 50 Hz, flow rate 30 L/min.
- Digital fuel meter.
- EPDM flexible hose, size 3/4", length 6 m.
- Automatic dispensing nozzle.

## Accessories



### Retention Basin for Bluetank

Retention basin, 100% tank's volume capacity, made in carbon steel

## Technical data

Model	Nominal capacity (lt)	Highness (mm)	Length (mm)	Diameter (mm)	Ø Manhole cover (mm)	Vfiato	Basin 100%		
							Length (mm)	Width (mm)	Highness (mm)
BLUETANK2000	2,000	1,380	1,700	1,300	400	Si	2,350	1,500	600
BLUETANK3000	3,000	1,530	2,000	1,450	400	YES	2,400	1,800	700
BLUETANK5000	5,000	1,780	2,470	1,700	400	Si	3,200	1,900	890
BLUETANK7500	7,150	2,010	3,180	1,890	550	YES	3,850	2,100	950
BLUETANK10000	10,400	2,370	3,100	2,250	550	Si	4,200	2,400	1,000

## Product code

PLTORZ	X	X	X
<b>Model</b> PLTORZ = Bluetank	<b>Volume</b> 2000 = 2000 l 3000 = 3000 l 5000 = 5000 l 6000 = 6000 l 10000 = 10000 l	<b>Version</b> AdBlue = High chemical resistance L = Basic	<b>Typology</b> /BOX = Box

Not all combinations are available





# Bluebox

Insulated box for AdBlue (DEF) storage and delivery.



## Description

### BOX

- Structural frame made in carbon steel galvanized; designed for bottom lifting.
- Roof made with cold formed steel profiles which are shaped in order to gather rainwater as a gutter.
- Ceiling and walls are made in self-extinguishing "sandwich" panels filled with an insulating polyurethane foam, thickness 30 mm.
- Floor consists of a galvanised retention basin covered with electrowelded galvanised grid panels; this sump is designed to collect any spill or leak.
- Double hinged front door; any door is provided with a ventilation grid.

### ELECTRICAL SYSTEM:

- Self-extinguishing electric distribution box, complete with main differential thermo-magnetic two poles circuit breaker.
- Grounding point.
- Electric heater, 1.500 W, complete with thermostat.
- Ceiling lamp with switch.

### TANK:

- High density linear polyethylene tank, monolithic, with high mechanical, chemical and UV resistance; available in azure color (basic line, 5.000 and 7.500 L.

only) and in white color (higher chemical resistance version).

- Available volumes: 3.000 L, 5.000 L, 7.500 L and 10.000 L.
- Tank's accessories: manhole with threaded lid, diameter 42 cm for 3.000 L e 5.000 L tanks and 55 cm for 7.500 l e 10.000 L tanks, 1" vent device, 2" loading plug, 1" suction pipe.

DISPENSER:

- Lockable steel cabinet mounted directly on the tank.
- Self-priming diaphragm electropump, 230 V - 50 Hz, flow rate 30 L/min.
- Digital fuel meter.
- EPDM flexible hose, section 3/4", length 4 m.
- Automatic dispensing nozzle.

## Accessories

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## Technical data

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Model	Width (mm)	Depth (mm)	Highness (mm)
BLUEBOX3	2,900	2,300	2,200
BLUEBOX5	3,800	2,400	2,200
BLUEBOX7	4,100	2,400	2,350
BLUEBOX10	4,100	2,460	2,850



# Bluebox - ST

Insulated box for AdBlue (DEF) storage and delivery with separate pump compartment.



## Description

### BOX:

- Structural frame made in carbon steel galvanized; designed for bottom lifting.
- Roof made with cold formed steel profiles which are shaped in order to gather rainwater as a gutter.
- Ceiling and walls are made in self-extinguishing "sandwich" panels filled with an insulating polyurethane foam, thickness 30 mm.
- Floor consists of a galvanised retention basin covered with electrowelded galvanised grid panels; this sump is designed to collect any spill or leak.
- Double hinged front door; any door is provided with a ventilation grid.
- Pump compartment provided with single external access door and checkered aluminium floor.

### ELECTRICAL SYSTEM:

- Self-extinguishing electric distribution box, complete with main differential thermo-magnetic two poles circuit breaker.
- Grounding point.
- Electric heater, 1.500 W, complete with thermostat.
- Ceiling lamp with switch, in any compartment.

### TANK:

- High density linear polyethylene tank, monolithic, with high mechanical, chemical and UV resistance; available in azure color (basic line, 5.000 and 7.500 L. only) and in white color (higher chemical resistance version).
- Available volumes: 3.000 L, 5.000 L, 7.500 L and 10.000 L.
- Tank's accessories: manhole with threaded lid, diameter 42 cm for 3.000 L e 5.000 L tanks and 55 cm for 7.500 L e 10.000 L tanks, 1" vent device, 2" loading plug, 1" suction pipe.

#### DISPENSER:

- Steel frame fixed inside the pump compartment.
- Self-priming diaphragm electropump, 230 V - 50 Hz, flow rate 30 L/min.
- Digital fuel meter.
- EPDM flexible hose, section 3/4", length 4 m.
- Automatic dispensing nozzle.

#### Accessories

- Pneumatic level gauge. Cod. INDLIVELLOPNEUADBLUE.
- 2" stainless steel overfill valve. Cod. VTPINOX.
- Front loading port and pneumatic type level gauge.

#### Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
BLUEBOXST3	2,900	2,300	2,200
BLUEBOXST5	3,800	2,400	2,200
BLUEBOXST7	4,100	2,400	2,350
BLUEBOXST10	4,100	2,460	2,850

#### Product code

CNTADB	X	X	X	X
<b>Model</b> CNTADB = Bluebox - ST	<b>Volume</b> 3000 = 3000 l 5000 = 5000 l 6000 = 6000 l 10000 = 10000 l	<b>Version</b> A = Azure T = White	<b>Box version</b> ST = Box with pump compartment	<b>Typology</b> /BOX = Box

Not all combinations are available



# Emilcaddy® 55 and 110 for AdBlue®

Portable tanks made in polyethylene for transport and delivery of DEF.



## Description

Portable tanks made in polyethylene for transport and delivery of DEF.

## Main features

- Top handle for easy gripping and lifting.
- Integrated recesses for securing with ratchet lashing straps.
- Suction/drain safety ball valve.
- Filling plug with integrated non-spill vent.
- Lower handle for manual lifting operations.
- Puncture proof wheels.
- Front nozzle holder.

## Outfittings

Configuration model RG/RH:

- Manual rotary vane pump for DEF
- Plastic manual or automatic nozzle
- 3 m of EPDM hose

Configuration model SG/SH:

- Battery pump, 12 V or 24 V, flow rate 30 lpm
- Cable with battery clamps
- Plastic manual or automatic nozzle
- 3 m of EPDM hose



Manganese 12V battery with battery charger (European plug type C) and battery slot



Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot



Digital flow meter for AdBlue K24

Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)
EMA55	55	460	360	900	8
EMA110	110	460	440	1,100	12

Product code

EM	X	X	X	X
Model	Fuel	Volume	Pump	Nozzle
EM = Emilcaddy	A = AdBlue	55 = 55 l 110 = 110 l	R = Rotary AdBlue S = Battery 12/24v AdBlue	G = Manual AdBlue H = Automatic AdBlue





# Emilcaddy® Car-Service

Mobile polyethylene container for transport and delivery of AdBlue/Def



**EMILCADDY** CAR-SERVICE



## Description

Portable tank made in polyethylene for transport and delivery of DEF specific for car refuelling


## Main features

- Top handle for easy gripping and lifting.
- Integrated recesses for securing with ratchet lashing straps.
- Suction/drain safety ball valve.
- Filling plug with integrated non-spill vent.
- Lower handle for manual lifting operations.
- Puncture proof wheels and foot support.
- Front nozzle holder.


Outfittings

- 12-24V battery pump, 30 l/min flow rate
- Automatic nozzle specific for car refuelling (adjustable 5-10 l/min by a dedicated key)
- 4 m cable with battery connectors
- 3 m EPDM hose.


Accessories




Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot



Digital flow meter for AdBlue K24



Quick connector for AdBlue®/DEF drum and IBC container



Manganese 12V battery with battery charger (European plug type C) and battery slot

Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Empty weight, approved gasoline version (kg)
EMACS55	55	460	360	900	8	9
EMACS110	110	460	440	1,100	12	13

Product code

EMACS	X	X	X
Model	Volume	Pump	Nozzle
EMACS = Emilcaddy AdBlue Carservice	55 = 55 l 110 = 110 l	S = Battery 12/24v AdBlue	Q = ZVA AdBlue

Not all combinations are available



# Carrytank® for AdBlue®

Polyethylene tank for AdBlue® transport equipped with fluid transfer unit.



Carrytank 150 AdBlue®



Carrytank 220 AdBlue®



Carrytank 330 AdBlue®



Carrytank 440 AdBlue®

## Description

Portable container made in polyethylene ideal for transport and delivery of AdBlue®/DEF.

Transporting AdBlue®/DEF has never been easier: thanks to our range of transport tanks you will solve the problem of moving AdBlue®/DEF.

The range consists of the following tanks:

- Carrytank® 150
- Carrytank® 220
- Carrytank® 220 pick-up
- Carrytank® 330
- Carrytank® 330 pick-up
- Carrytank® 440
- Carrytank® 440 pick-up

## Main features

- Integrated forklift pockets (full tank lifting).
- Handles for lifting and carrying (empty tank).
- Integrated recesses for securing with ratchet lashing strap during transport.
- Lockable lid (150, 330, 440)
- 2" filling plug with integrate vent device.

## Outfittings

Configuration model SG/SH:

- Battery transfer pump (12 V or 24 V), flow rate 30 L/min.
- Battery power cable (2 m) and clamps.
- 4 m of EPDM hose
- Manual or automatic AdBlue® nozzle.

Configuration model SOMG/SOMH (only for Carrytank 150):

- Submersible pump 12v
- Manual or automatic AdBlue® nozzle.
- 4 m of EPDM hose

## Accessories



**Lid for Carrytank® 220**

Polyethylene covering Lid, integrated in the tank's structure and manufactured in rotational molding.



**Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot**



**Digital flow meter for AdBlue K24**



**Manganese 12V battery with battery charger (European plug type C) and battery slot**

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Base width (mm)	Depth (mm)	Base depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)	Weight with pump unit (kg)
CTA150	150	985		585		465	5	23	35
CTA220	220	600		910		665	5	14	24
CTPA220	220	1,155	1,050	805	720	450	6,5	19	31
CTA330	330	1,200		800		650	6,5	32	44
CTPA330	330	1,200	1,010	800	770	700	6,5	32	44
CTA440	440	1,200		800		785	6,5	40	52
CTPA440	440	1,200	1,010	800	770	830	6,5	40	52

Product code

Carrytank® 220 - 330 - 440 AdBlue®

CT	X	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Pick up</b> (vuoto) = No Pickup P = Pickup	<b>Fuel</b> A = AdBlue	<b>Volume</b> 220 = 220 l 330 = 330 l 440 = 440 l	<b>Pump</b> S = Battery 12/24v AdBlue	<b>Nozzle</b> G = Manual AdBlue H = Automatic AdBlue

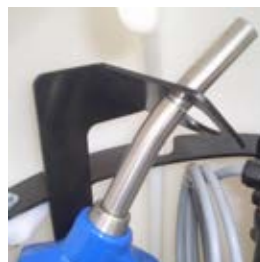
Carrytank® 150

CT	X	X	X	X
<b>Model</b> CT = Carrytank	<b>Fuel</b> A = AdBlue	<b>Volume</b> 150 = 150 l	<b>Pump</b> S = Battery 12/24v AdBlue SOM = Submersible pump 12V	<b>Nozzle</b> G = Manual AdBlue H = Automatic AdBlue



# Hippotank® for AdBlue®

Portable tanks made in polyethylene for transport and delivery of DEF.



## Description

Portable tanks made in polyethylene for transport and delivery of DEF. Hippotank® is manufactured in rotomolded linear polyethylene, a material that ensures excellent resistance against shocks, temperature changes, chemical agents and bad climate conditions.

## Main features

- Its transparency also allows a constant sight monitoring of the fluid level.
- Side pockets, reinforced by zinc-coated carbon steel profiles, allow lifting from bottom by means of forklift (full load).
- 220 mm diameter top hatch with lockable screw lid, gasket, loading port with built-in air vent device and lockable security bar.
- 12 V or 24 V DC diaphragm battery pump, flow rate 30 L/min complete with cable and clamps for battery connection; the fluid transfer unit is fixed in a proper housing inside the tank and provided with a lockable door.
- EPDM hose, 5 m long, equipped with automatic nozzle.



Outfittings

- 12 V or 24 V DC diaphragm battery pump, flow rate 30 L/min
- Cable and clamps for battery connection
- EPDM hose, 5 m long
- Automatic nozzle.

Accessories



Digital flow meter for AdBlue K24



Manganese 12V battery with battery charger (cigarette lighter plug) and battery slot



Manganese 12V battery with battery charger (European plug type C) and battery slot

Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight (kg)	Weight with pump unit (kg)
HTKA980	960	995	1,830	1,000	95	105

Product code

HT	X	X	X	X
Model	Fuel	Volume	Pump	Nozzle
HT = Hippotank	A = AdBlue	980 = 980 l	S = Battery 12/24v AdBlue	H = Automatic AdBlue



## Sidepump ADB



### Description

The new transfer system was designed for installation onto IBC tanks, utilizing a stainless steel rotary hand pump certified for AdBlue® transfer applications. The sturdy stainless steel support bracket comes with a rugged connector system that is compatible with most IBCs. Tight manufacturing guidelines and the use of wear-resistant materials guarantees years of hassle-free operation. The pump, which was entirely developed, manufactured, and certified in Italy, sets new benchmarks in terms of:

- Suction capacity: self-priming with simple and immediate fluid dispensing.
- Volumetric capacity: 10 gallons per 100 revolutions
- 100% of the materials used are chemically compatible with AdBlue® (standard ISO 22241).
- Ergonomic construction for professional use.



# IBC for AdBlue®

IBC Containers made in polyethylene for transport and delivery of DEF.



## Description

IBC containers made in polyethylene for transport and delivery of DEF. White / translucent polyethylene container, a material which ensures excellent resistance against chemical agents and the bad climate conditions.

## Main features

- Its transparency also allows a constant sight monitoring of the fluid level.
- It can be easily washed with regular detergents thanks to its highly smooth surface.
- Housed within a protection tubular galvanized iron cage that's attached to a pallet designed to be moved using forklifts or pallet jacks.
- 150 mm or 225 mm diameter top hatch with screw lid

## Outfittings

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- 230 V - 50 Hz AC diaphragm pump, flow rate 30 L/min with built-in by-pass valve.
- EPDM hose, 6 m long, equipped
- Automatic, or manual nozzle or automatic nozzle with integrated flow meter.
- Filter for urea solutions.



# Emiltrolley®

Special trolley for transport and delivery of DEF.



## Description

220 liters metal trolley for safety refuelling of trucks, operating vehicles and crafts, equipped with 220V battery pump, 30 l/min flow rate and 4 m cable with battery connectors, automatic nozzle, 3 m EPDM hose and quick connector for drum. Available with manual pump and/or manual nozzle.

## Main features

- Top handle for easy moving.
- 4 puncture proof castor wheels, 2 fixed and 2 swivel with brakes.
- Quick coupling for suction from drums.
- Front nozzle holder.
- Adjustable hook for drum mounting.

## Accessories

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- Digital flow meter K24.
- Drum with upper relief valve.

## Technical data

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Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight without barrel (kg)
EMILTROLLEYCS	220	750	800	1,100	28





# Emiltrolley® Car-Service

Specially designed trolley for the transport and delivery of AdBlue/Def specific for car refuelling



## Description

220 liters metal trolley equipped with 220V battery pump, 30 l/min flow rate and 4 m cable with battery connectors, automatic nozzle specific for car refuelling (adjustable 5-10 l/min by a dedicated key), 3 m EPDM hose and quick connector for drum.

## Main features

- Automatic nozzle ZVA specific for car refueling (adjustable 5-10 l/min by a dedicated key)
- Top handle for easy moving.
- 4 puncture proof castor wheels, 2 fixed and 2 swivel with brakes.
- Quick coupling for suction from drums.
- Front nozzle holder.
- Adjustable hook for drum mounting.

## Accessories

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- Digital flow meter K24
- Drum with upper relief valve

## Technical data

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Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Empty weight without barrel (kg)
EMILTROLLEYCS	220	750	800	1,100	28



NEW

# Emiltrolley® MID

Specially designed trolley for the transport and delivery of AdBlue/Def MID certified



## Description

Trolley-mounted electric refuelling system for the commercial distribution of AdBlue®, up to 200-litre drums. On request of feasibility it is possible to install it on larger capacity tanks. The unit has a single-phase 230 V power supply. Emiltrolley® MID is certified for use in service stations, can be connected to service station management systems and is suitable for resale.

## Main features

- The latest generation electronic counter meter is certified according to RI OIML R117-1 (MID COMPLIANT). It has indicators with 25 mm high digits that are backlit by LEDs, as well as 7-digit electronic totalizers that indicate the dispensed volume and the monetary amount. It has a data output port for connection to remote devices via serial line, WiFi or GPRS modem. The meter is able to manage the product stocks via continuous or low level measurement probe. It is designed for product temperature range (-10 +40) as per API-STM-IP table 53B
- Self-priming pump with a pressure switch with the option of varying the liquid flow rate (5 or 15 litres per minute)
- Non-intrusive minimum level sensor
- Electronic protection and control devices.
- Single-phase 230 V power supply
- Top handle for easy moving.
- Safety ball valve.
- Quick coupling for suction from drums.
- Side nozzle holder.

## Accessories

- Receipt printer
- Kit to determine the litres or amount to be dispensed in advance
- Elaflex Zva dispensing guns for AdBlue®
- Additional heater for temperatures below -10°C
- Kit to operate the battery

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
EMILTROLLEYMID	1,002	653	1,163



# GPM for ADBLUE®

Electronic or mechanical head AdBlue® Dispenser.



## Description

The AdBlue® dispenser, mod. GPM "IND-ADBLUE®" is a fluid dispenser unit for industrial use, designed and manufactured for dispensing AdBlue® which is aqueous urea solution used in selective catalytic reduction (SCR) to lower NOx concentration in the exhaust emission from Diesel engines. It can be provided with a mechanical or electronic head, one-side or two-sides display; it is also preset for connection with fuel management systems.

## Main features

- Centrifugal pump, brand Lowara, equipped with check valve in the suction line; flow rate 40lt/min.
- Sturdy stainless steel Inox AISI 316 frame.
- Nutating disk displacement flow meter , accuracy + / - 0,5%.
- Flexible hose, brand Elaflex, length 4,5 m. or longer on request.
- Automatic trigger nozzle designed specifically for AdBlue® transfer applications; the shut off device isolates the flow of fluid should the level in the tank reach the end of the delivery spout.
- Electronic head and calculator connected to the integrated pulser.

Environmental and working conditions:

- Ambient temperature range: -25°C / +55°C
- Fluid temperature range: -25°C / +25°C.
- Viscosity of fluid: <10-4 m2/s.
- Relative humidity: 5% - 95% non-condensing.
- Climate: Marine, tropical, industrial and tropical.
- Altitude: from sea level to 2000m.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
GPMADBLUE	400	320	1,050





# EmilBlue Station

AdBlue®/Urea refuelling station MID certified



## Description

EmilBlue Station is an innovative AdBlue®/DEF dispenser equipped with electronic head MID certified meter. The dimensions of the dispenser are suitable for installation on existing gas stations. Capacity available are 1.500 , 2.000, 3.000 , 4.500 e 6.000 liters. EmilBlue Station is completely thermally insulated. It is possible to add an electrical heater (optional) in case of cold climates. There are 3 models available for each capacity: truck-service nozzle, car-service or both (alternatively). System compatible with protocols Eps, Petrotec, Hdx, Gilbarco, Ifsf, Dart, Er3, Dunclare, Fortec.

## Main features

- Power supply: 230V.
- Flow rate: 40 L/min.
- Nozzle for truck: Model ZVA.
- Nozzle for car: Model ZVA.
- Refuelling hose: 3,80 mt.
- Stainless steel inox filters.
- Dispenser galvanized steel/stainless steel frame.
- High strength steel base S355.
- Steel panels S235.
- Powder coating.

## Accessories

- Heating unit for dispenser (also Atex version).
- Heating system for the tank compartment.
- Forced ventilation for the tank compartment.
- Conditioning for the tank compartment.
- Pneumatic level management system for DEF.
- Magnetostrictive probe on request.

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Highness (mm)	Lenght (mm)	Column length (mm)	Total length (mm)
EMILBLUESTATION1500	1,500	1,150	2,430	1,380	1,050	2,430
EMILBLUESTATION2000	2,000	990	2,280	2,630	1,050	3,680
EMILBLUESTATION3000	3,000	990	2,280	2,980	1,050	4,030
EMILBLUESTATION4500	4,500	1,150	2,430	3,280	1,050	4,330
EMILBLUESTATION6000	6,000	1,150	2,430	4,250	1,050	5,300

## Product code

EMILBLUESTATION	X	X
<b>Model</b> EMILBLUESTATION = EmilBlue Station	<b>Refueling model</b> CAR = Cars refueling DOUBLE = Refueling of trucks and cars TRUCK = Truck refueling	<b>Volume</b> 1500 = 1500 l 2000 = 2000 l 3000 = 3000 l 4500 = 4500 l 6000 = 6000 l



# Self service MC70 for ADBLUE®

DEF dispenser



## Description

New AdBlue® dispenser for noncommercial use. Sturdy structure fitted with front panel for easy maintenance. Diaphragm pump is equipped with an electric motor that has no need for a dynamic seal. This solution forms the basis for the production of a reliable industrial pump with self-priming capabilities. The Self Service MC also comes with our SB325 automatic nozzle with break-away system and stainless steel spout and the AdBlue® 3D Filter. Equipped with turbine-type digital flow meter and electronic unit for multi-user consumption, management, and pre-selected dispensing. Local memory of the last 255 events. PC interface for exporting and organizing data. Capability of entering vehicle registration number, mileage, date and time of delivery. Magnetic keys (keys kit) available for user recognition.

## Main features

- Flow rate up to 34 l/min
- Accuracy: +/- 1 %
- Duty cycle 20 min
- IP55 protection

## Accessories

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- Dedicated software for printing individual summaries of dispensing details.



# ADBTHREE25

AdBlue Dispenser System for IBC Tanks



## Description

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AdBlue® dispenser system for IBC tanks.

## Main features

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- AdBlue® filter which prevents the contamination of the solution and guarantees an increased life of the catalyst.
- AC self-priming diaphragm pump, 230 V - 50 Hz, flow rate 30 L/min.
- Sturdy, stainless steel frame with roll-bar protection.
- Crimped EPDM suction hose, size 3/4", length 1,5 m.
- SEC connector for plastic couplings or stainless steel DEF coupler for common IBC containers.
- Security lock bracket system.
- High capacity hose holder and easy nozzle holder.
- Crimped EPDM delivery hose, size 3/4", length 6 m.
- Filter for Urea solutions, recommended to keep the liquid as pure as possible.
- Ergonomic automatic metered nozzle with break-away system and stainless steel spout.



# ADBBOX

AdBlue Dispensing Cabinet.



## Description

As a result of a thorough analysis of the problems to do with transferring urea solutions, Emilia Serbatoi has developed a reliable dispensing group using highly compatible components. The group is completed with an automatic nozzle, and a flexible delivery hose, for easy dispensing operations.

- Lockable steel cabinet.
- AC 230 V - 50 Hz diaphragm pump, flow rate 30 L/min, with built-in by-pass valve.
- ON/OFF switch.
- EPDM hose, 4 m long, equipped with automatic, manual nozzle or automatic nozzle with integrated flow meter.
- Digital turbine flow meter.
- Max delivery pressure 5 bar.
- Self priming height up to 2 meters.





## AdBlue® DEF polyethylene tanks



### Description

The tanks of the line INDUSTRY are made of polymers in neutral colors with additives resistant to UV rays. Their particular coloration and their wall thickness make them suitable for containment of chemical products other than water. They are 100% recyclable, for above ground installation, cadmium free and guaranteed against the formation of algae.



### Vertical tanks

Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Vfiato
PLTVTR2000ADBLUE	2,000	1,820	1,270	420	Labyrinth Valve 1"
PLTVTR3000ADBLUE	3,000	2,020	1,470	420	Labyrinth Valve 1"
PLTVTR4000ADBLUE	4,000	2,060	1,690	420	Labyrinth Valve 1"
PLTVTR5000ADBLUE	5,000	1,890	2,030	420	Labyrinth Valve 1"
PLTVTR10000ADBLUE	10,000	2,600	2,380	550	Labyrinth Valve 1"
PLTVTR16000ADBLUE	15,400	3,770	2,380	550	Labyrinth Valve 1"



### Horizontal tanks

Model	Nominal capacity (lt)	Depth (mm)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Vfiato
PLTORZ2000ADBLUE	1,950	1,550	1,440	1,360	320	Labyrinth Valve 1"
PLTORZ3000ADBLUE	2,970	1,850	1,660	1,600	420	Labyrinth Valve 1"
PLTORZ10000ADBLUE	10,400	3,100	2,550	2,250	550	2" breather fittings (male)



### Horizontal panettone tanks

Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Vfiato
PLTPAN2000ADBLUE	2,050	1,390	1,570	420	Labyrinth Valve 1"
PLTPAN3000ADBLUE	3,050	1,280	1,940	420	Labyrinth Valve 1"
PLTPAN5000ADBLUE	4,950	1,420	2,380	420	Labyrinth Valve 1"
PLTPAN7500ADBLUE	7,550	1,980	2,380	420	Labyrinth Valve 1"



# KIT for ADBLUE®

Portable Adblue® fuel transferring unit.



## Description

Portable unit for AdBlue® DEF transfer, fitted with battery pump, 12 V or 24 V, suction and delivery hoses, filter and fuel nozzle. Thanks to its small size, reliability and ready-to-use configuration, it is especially useful when fuel must be transferred or dispensed safely having only battery power on hand. Typical fields of application are agriculture and transport.

## Main features

- Power supply: 12 V DC or 24 V DC.
- Consumption: 22 Amp (12 V DC) - 11 Amp (24 V DC).
- Max flow rate: 40 L/min.
- Suction height: up to 1,5 meters.
- Working temperature: -20°C / +60°C.
- Duty cycle: 30 min.

## Outfittings

- Self-priming volumetric diaphragm vane pump, with by-pass valve.
- Terminal board for switches and circuit-breakers.
- Battery cable, 4 m length, complete with clamps for battery connection.
- EPDM hose, 3 m length, size 3/4", suitable for AdBlue® DEF.
- Aluminium manual nozzle.
- Suction fuel hose, 3 m length, size 3/4", suitable for AdBlue® DEF.
- Bottom suction filter.
- Manual nozzle for AdBlue® DEF.

## Accessories



Digital flow meter for AdBlue K24

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
ADBLUEKIT	600	420	230



# GIANTank® for AdBlue®

Polyethylene tank for AdBlue® delivery and storage



## Description

GIANTank® is the innovative solution by Emiliana Serbatoli for the storage and delivery of AdBlue®/DEF designed and realized in order to respect technical and environmental strict rules. GIANTank® combines robustness of the material and environmental protection thanks to a secondary containment designed to hold 110% of the volume of the tank, that has a capacity of 3.300 liters. The tank is manufactured in linear polyethylene with rotational molding that provides the product with compactness and sturdiness, in addition to a particularly innovative and ergonomic design. GIANTank® is equipped with a padlocked reinforced lid (with gas stoppers, in order to facilitate closing and opening operations, and lockable hinges); the lid covers and protects the fuel compartment which houses a complete transfer unit with electric panel, electric pump, automatic nozzle, loading port, safety valves and delivery hose. GIANTank® is projected to be lifted empty thanks to the special forklift pockets, for easily-moved operations, located on the bottom of the tank. All GIANTank® inserts are made of stainless steel Ad-Blue®/DEF-compatible material. The tank is provided with the certificate of suitability of the material.

## Main features

- Secondary containment designed to hold 110% of the volume of the tank.
- Electric switchboard.
- Minimum level pump block.
- Leak detector.
- Stainless steel filling quick cap 2".
- Air vent 1"1/2

## Outfittings

- 230 V - 50 Hz AC pump, flow rate 30 L/min.
- 6 m long hose
- Automatic nozzle for AdBlue®/DEF.

## Accessories



Digital flow meter for AdBlue K24



DIGIMAG level gauge (inox float).



Hose reel

Fuel handling and delivery equipment.



OCIO

Tank level indicator



Emilprobe®

Alarm system that continuously monitors, in text and graphic form, the liquid in the tank (actual volume, level, temperature and the presence of water)

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Weight with pump unit (kg)
GTA33	3,300	1,125	2,350	1,800	320

## Product code

GT	X	X	X	X
<b>Model</b>	<b>Fuel</b>	<b>Volume</b>	<b>Pump</b>	<b>Nozzle</b>
GT = Giantank	A = AdBlue	3300 = 3300 l	S = Battery 12/24v AdBlue	C = Automatic 60 l/min



07

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## Ecologic line

# 07

## Ecologic Line

Ecologic Islands

Insulated Container

Securfito

Oil fuel container

SE Eco-Tank

SE HD-Tank

Flexible Tanks

Quioil

Carrybox

Cargo pallet battery

Sump pallets

Polyethylene sump pallets

Polyethylene cabinet

Polyethylene box for sand, salt and absorbing items

Folding Tray

Oil Kit

Eko Kit

Double-walled polyethylene tanks for chemical products

Biodiesel Tanks



# Ecologic Islands

Storage/disposal of lubricants and waste oils.



## Description

Ecological storage containers for the storage and disposal of toxic, hazardous and flammable substances in conformity to European Standards. Customised dimensions available on request.

## Main features

- Steel frame made with squared profiles and panelized with trapezoidal self - bearing galvanised sheeting.
- Double swing door with handles and lock.
- Ventilation grid.
- Collection basin with steel galvanised grid flooring.
- Drain pipe for basin maintenance and cleaning.

Accessories

- Access ramp made in checkered aluminium 1.500 x 1.250 mm
- Additional double hinged door
- Additional ventilation window, 860 x 450 mm

Technical data

Model	External depth (mm)	External width (mm)	External height (mm)	Internal depth (mm)	Internal width (mm)	Internal height (mm)	Door height (mm)	Door width (mm)	Full opening (mm)	Containment basin			
										Capacity (lt)	Length (mm)	Width (mm)	Highness (mm)
ISOECO260	2,100	2,650	2,320	2,000	2,600	1,900	1,900	1,940	2,450	702	2,000	2,600	135
ISOECO350	2,100	3,550	2,320	2,000	3,500	1,900	1,900	1,940	3,350	945	2,000	3,500	135
ISOECO430	2,100	4,350	2,320	2,000	4,300	1,900	1,900	1,940	4,150	1,161	2,000	4,300	135

Customised dimensions available on request



# Insulated Container

Box containers for phyto-pharmaceuticals, pesticides and other products for agriculture use and for external use



## Description

Safety cabinets for phyto-pharmaceuticals, pesticides and other products for agriculture use. Designed to meet all the latest requirements relating to the safe storage and disposal of hazardous products. Rugged galvanized steel frame, panelised with self-extinguishing insulating "sandwich" panels. Customised dimensions available on request.

## Main features

- Flat roof made of self-extinguishing insulating "sandwich" panels, thickness 30+30 mm. The insulating mass consists of a rigid plastic with a high level of insulating power, made from polyurethane resins (PUR) and poliisocianurates (PIR) both self-extinguishable, with a thermal conductivity at 10°C: K= 0.020 W/mK.
- Hinged lockable double door.
- Basement frame made of steel profiles, thickness 15/10 mm.
- Hot-dip galvanised sump containment, steel thickness 30/10 mm, height 18 cm.
- Floor made with removeable hot-dip galvanised steel grates, dim. 7x252x20/10 mm, load capacity 500 Kg/mq.
- Drain pipe for cleaning and drainage operations.
- N. 2 air grills for ventilation, dim. 15x25 cm, one set on the door and one on the opposite side.
- Safety sign indicating the presence of hazardous, toxic and corrosive products.

## Accessories

- ELECTRICAL SYSTEM:
  - Standard: according to the European standards in force; electrical materials are complies with IMQ standards.
  - Voltage: 230 V - 50 Hz.
  - Inlet connection: sealed box mounted on the outer wall of the container.
  - Electric fuse box, made of self-extinguishing PVC; main differential thermo-magnetic two poles circuit breaker, 16 A rating, differential current 0,03 A.
  - N. 1 ceiling lamp complete with 1x60 W incandescent lamp.
  - N. 1 wall mounted power outlet, 10 amp rating.
- ELECTRICAL HEATER, 1.500 W, cod. CNTCOIYCONVETTORE

## Technical data

Model	External depth (mm)	External width (mm)	External height (mm)	Internal depth (mm)	Internal width (mm)	Internal height (mm)	Tub capacity (lt)	Flow rate (kg/mq)	Electrical system
CNTCOI24X15	1,500	2,400	2,400	1,380	2,280	2,000	645	500	Non incluso
CNTCOI24X15EL	1,500	2,400	2,400	1,380	2,280	2,000	645	500	INCLUDED
CNTCOI40X24	2,400	4,100	2,400	2,250	3,960	2,000	1,725	500	Non Incluso
CNTCOI40X24EL	2,400	4,100	2,400	2,250	3,960	2,000	1,725	500	INCLUDED

Customised dimensions available on request





# Securfito

NEW

Safety cabinets for phyto-pharmaceuticals, pesticides and other products for agriculture use and for internal use



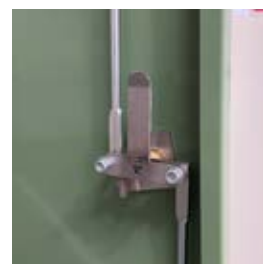
Ventilation louvres



Galvanised adjustable steel shelves



Collection tray



3-point lock - inside

## Description

Safety cabinets for storage of phyto-pharmaceuticals, pesticides and other products for agriculture use. Available in two versions: SECURFITO (four internal shelves) e MINISECURFITO (two internal shelves).

## Main features

- Designed to meet all the latest requirements relating to the safe storage and disposal of phyto-pharmaceuticals and pesticides.
- Rugged galvanized steel frame, made of coldpressed steel sheet, thickness 12/10 mm.
- Galvanised steel frame and shelves for greater durability, and extra strong shelves to bear more weight.
- Hinged double front door, oven-baked powder coated, green-coloured, which grants a very smooth and resistant surface easily washable and sanitizable.
- Four (for Securfito) or two (for Minisecurfito) internal height adjustable shelves that can be easily re-arranged without the use of tools to change the internal layout as required.
- 15 % wider distance between shelves for more storage space with the same external dimensions
- Strong three-point lock, as required by regulations
- Better ventilation through louveres both on the front doors and throughout the structure
- Flat base for greater stability
- Large tray at the bottom of the cabinet which can be easily removed and cleaned in the event of spills
- Safety sign indicating the presence of hazardous, toxic and corrosive products; stickers are in compliance with standard ISO 3864.
- The Emiliana Serbatoi cabinet for phyto-pharmaceuticals products always comes with a wooden pallet, to make handling and cleaning easier.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)	Number of shelves	Number of doors	Empty weight (kg)
ERLG7	1,000	480	2,005	4	2	77
ERLG8	1,000	480	1,065	2	2	41

Height including pallet



# Oil fuel container

Approved box container equipped for storage and dispensing of fuels and lubricants.



Tank's vent pipe



Ventilation grid



Closing system, lockable bars



Electric system

## Description

Fuel stations mounted inside metal ISO box containers, sizes 10ft, 15ft and 20ft, available in single-compartment version (only Diesel fuel station) or in double-compartment version (one for Diesel fuel station and the other one for lubricants storage). The lubricants compartment is provided with a retention sump.

## Main features

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- Frame made with cold-formed steel profiles, with upper and lower corner blocks.
- Walls and roof in trapezoidal hermetically electrowelded sheet metal.
- High bearing flooring made with sheet plates, 3 mm thickness; floor is hermetically welded to form a secondary containment able to catch maintenance spills.
- Double steel swing-door complete with gaskets, and weather proof venting grids.
- Possibility of handling with crane or forklift.
- Closing system with lockable bars.
- The container will be sandblasted and coated with two-part of epoxy paint.
- Electric system, single-phase 230 V - 50 Hz, compliant with CENELEC, consisting of a switch-board (protection grade: IP55) with main switch, socket, and lighting point with on/off switch for each compartment.
- Grounding and equipotential connection point.

### DOUBLE-COMPARTMENT VERSION:

- Partition steel wall, hermetically welded.
- Double steel swing-door on both heads provided with gaskets and weather proof venting grids.
- Lubricant compartment provided with a spill retention basin made in carbon steel.
- Floor made with zinc-coated grating.
- Two shelves, fixed on the partition wall for storage of oil cans and containers.
- Lubricant compartment: electric system consisting of switchboard with main switch, socket, lighting point and on/off switch.

## Accessories

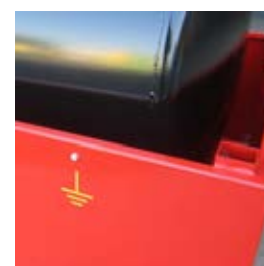
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- Lockable hinged steel or aluminium roof trapdoor, gas piston operated, set up in correspondence of the tank manhole (dimensions 800x800 mm).
- Wide range of fuel and lubricant handling equipment.



# SE Eco-Tank

Ecological tanks for exhaust oil.



## Description

Ecological steel tanks to store exhaust oils, Designed and manufactured in compliance with Annex C of the Ministerial Decree No. 392, dated 16 May 1996. Ideal solution for garages, depots, workshops, industries, transport companies and for all those activities needing to collect exhaust oils before delivering them to authorised collectors. SE Eco-Tanks are provided with a retention basin, made in carbon steel and with a capacity equal to tank's volume.

## Main features

- SE Eco-Tanks are provided with a retention basin, made in carbon steel and with a capacity equal to tank's volume.
- Single wall steel tank, made with carbon steel dished ends and plates, quality S 235 JR according to UNI EN 10025.
- Externally primed and finished with an oil-resistant paint.
- Grounding point.
- Manhole, diameter 400 mm with hinged and lockable cover.
- Filters drainage mesh to facilitate filters dripping and to stop large objects from getting to the tank.
- Activated carbons vent filter to remove particles from the air and eliminate any odors that could be present.
- Mechanical Level gauge

## Accessories

- Roof system for protection against weather conditions, composed of a sturdy zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting; it is designed to be easily and rapidly mounted and bolted to the SE Eco-Tank.

## Technical data

Model	Nominal capacity (lt)	Highness (mm)	Lenght (mm)	Fasciame (mm)	Diameter (mm)	Basin 100%		
						Length (mm)	Width (mm)	Highness (mm)
SE7	700	1,150	1,220	1,000	950	1,500	1,200	400
SE11	1,000	1,150	1,720	1,500	950	2,000	1,200	500
SE15	1,500	1,300	1,750	1,500	1,100	2,000	1,400	550
SE22	2,000	1,300	2,500	2,250	1,100	2,700	1,400	600



# SE HD-Tank

Steel tanks to store waste and exhaust oils.



## Description

Ecological steel tanks to store exhaust oils, designed and manufactured in compliance with Annex C of the Ministerial Decree No. 392, dated 16 May 1996. Tanks are of horizontal cylindrical type, manufactured by using shell plates and dished ends made of carbon steel quality S 235 JR according to UNI EN 10025, watertight electro-welded (gas metal arc welding process), provided with anti-roll supports, primed with a rust preventing layer and finished with green paint. Tanks are delivered pressure- tested and ready-to-use.

## Main features

- Manhole, diameter 400 mm with tight bolted cover.
- 8" screwed aluminum lid, for loading operations.
- Activated carbons vent filter.
- Mechanical level gauge.
- 1" 1/2 female connection for filling.
- Provided with a containment basin holding at least 100% of the volume of the tank.
- To ease the manhole access:
  - for the TF5, TF6 and TF7 versions, steps and non-slip support surface are provided.
  - for the TF5D and TF9 versions there is a stepladder.

## Accessories

- Roof system for protection against weather conditions, composed of a sturdy zinc-coated steel frame on which is fixed a self-bearing zinc-coated trapezoidal metal sheeting; it is designed to be easily and rapidly mounted and bolted to the SE HD-Tank.



## Technical data

Model	Nominal capacity (lt)	Highness (mm)	Lenght (mm)	Fasciame (mm)	Diameter (mm)	Basin 100%		
						Length (mm)	Width (mm)	Highness (mm)
SEHDTANK1L	975	1,200	1,500	1,250	950	1,900	1,050	550
SEHDTANK1	1,270	1,360	1,500	1,250	1,100	2,250	1,400	480
SEHDTANK2	2,482	1,520	2,060	1,800	1,270	2,400	1,750	650
SEHDTANK3	3,172	1,670	2,080	1,800	1,430	2,450	1,900	750
SEHDTANK5	5,320	1,850	2,800	2,500	1,600	3,200	1,850	1,000
SEHDTANK6	5,946	1,850	3,050	2,750	1,600	3,500	1,900	1,000
SEHDTANK7	7,185	1,950	3,350	3,000	1,700	3,850	2,100	1,000
SEHDTANK9	8,995	2,130	3,400	3,000	1,900	4,000	2,250	1,100



# Flexible Tanks

Wide range of flexible tanks and related accessories and fittings.



## Description

We can offer a wide range of flexible tanks which are an ideal solution for temporary and long term storage of various liquids. These include irrigational and drinking or non-drinking water, chemicals liquids, fertilizers, sludges, waste water and industrial effluents. Flexible tanks, manufactured from polymeric materials reinforced with polyester high-tenacity fabric, often represent the best option for the storage of a variety of aggressive fluids. All flexible tanks need a flat and clear area to be correctly installed. For sensitive fluids, tanks can be supplied with a groundsheet, mounted on a perimetral bank, acting as a retention basin during fluid handling operations. The capacities of the tanks can be variable, ranging from small volumes (1.000 L) to much larger volumes (500 m3).

For models, capacities and dimensions, contact the sales office

## Main features

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- Made in 100% polyester high-tenacity fabric coated with plastomer.
- Both sides are coated with polyvinyl chloride (PVC) provided with anti-UV treatment in the mass.
- Possibility to store liquids with PH from 4 to 9.
- All seams are welded by means of an high frequency (HF) welding process.
- Reinforcement of corners using reinforced polypropylene bolted plates.
- Double reinforcements for any opening; these reinforcement is obtained by using monolithic flanges made in polypropylene reinforced with fibre-glass.
- Wide range of quality fittings tailored to suit clients' applications.

### APPLICATIONS:

- Chemical industry.
- Agriculture field - fertilisers and zootechnical sludges.
- BioEnergy - digested sludge.
- Waste management - landfill leachate.
- Water treatment plants - storage.
- Fire protection reserves.
- Drinking water storage.
- Water storage for irrigation.
- Water purification plants.

### MAIN ADVANTAGES:

- Quick and easy installation.
- Compactness which means low transport and storage costs.
- High mechanical and chemical resistance.
- Cost-effectiveness

## Accessories

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Each tank is equipped with four corner reinforcements and a central top screwed lid, diameter 150 mm. All other fittings and accessories are provided as per customer requirements and needs. A wide range of accessories and fittings is available. The following is a listing of the main fittings and accessories:

- Inlet and outlet opening, from DN50 to DN100
- Ball or gate valves.
- Inlet and outlet couplings as Guillemin, Camlock, rapid couplings, ball joints, etc.
- Flexible bolted manhole, diameter 400 mm.
- Vent with vapour release system.
- Vent with activated carbons.
- Berm liners (groundsheet).



# Quioil

Waste vegetable and mineral oil polyethylene tanks.



## Description

Container designed for collection and storage of waste oils compliant with the Italian Legislative Decree n. 95 of 27 January 1992, with the Italian Ministerial Decree n. 392 dated 16 May 1996 and with the European Directives 75/439/CEE and 87/10/CEE, regarding exhaust and waste oils disposal. Made of roto-moulded high-density polyethylene, these tanks have high mechanical properties, high impact strength, and also thermal, chemical, UV rays and adverse weather conditions resistance. QUIOIL is designed and manufactured to exceed all the latest requirements relating to the safe storage and disposal of waste oils. Ideal solution for garages, depots, workshops, civic amenity sites, landfill sites, harbours and many other fields of applications. QUIOIL is available in two models: QUIOIL 300 (300 l. capacity) and QUIOIL 500 (500 l. capacity). Suitable for storing both mineral and vegetable (i.e. used cooking oil) oils.

## Main features

- Quioil consists of a double wall tank and is equipped with a lockable top hinged lid with inside a mesh for filter drainage.
- Top screwed hatch for drainage, diameter Ø 125 mm.
- Hydrostatic tank content gauge.
- Lockable top hinged lid with mesh for filter drainage.
- Visual leak detector system to check the interstitial space between the two containers.

## Accessories



**Trolley for Quioil**

Trolley for easy handling and full load movement, equipped with 4 swivel wheels, two of them with brake, and suitable for forklifting.



**Quioil safety lock**

Screwed lid safety lock.

## Technical data

			Reservoir
Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)
QOIL3	300	1,080	820
QOIL5	500	1,240	960



# Carrybox

Waste disposal container.



## Description

CARRYBOX is a high density polyethylene waste disposal container designed for the safety and watertight disposal of solid waste as small bottles and containers, waste cartridges, used rags, etc.

- Hinged lockable cover.
- Integrated forklift pockets.
- Handles for manual lifting and carrying.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)	Thickness (mm)	Empty weight (kg)
CARRYBOX	1,200	800	785	6,5	20



# Cargo pallet battery

Approved container for waste batteries disposal.



## Description

CARGOPALLET is designed to meet the most relevant demand in both industrial and agriculture markets. The overlap is secured by four cylinder pins obtained directly from the mold on top of the container that fit into appropriate seats machined at the bottom of the legs/runners of container. The 20 mm recessed ensure maximum safety and stability of the overlap. The walls can be fitted with card holder and for the emptying of liquids, are two side vents with screw plug or ball valves. Ideal for textiles, pharmaceuticals, metallurgical, rubber treatment and plastics industries. It can be stacked and fork-lifted. Easy to clean, it does not absorb smells or damp and it can be stored in the open.



Technical data

Model	External depth (mm)	External width (mm)	External height (mm)	Internal depth (mm)	Internal width (mm)	Internal height (mm)
CARGOPALLET300	700	1,000	650	640	940	500
CARGOPALLET600	800	1,200	700	725	1,130	690



# Sump pallets

Bunded storage solution for IBCs or drums.



## Description

Designed to offer full compliance to the Oil Storage Regulations. Can be used to store up to 8 × 205 liters drums. Tight welded construction providing secure sump containment. Made from sturdy carbon steel construction according to UNI EN 10025. Removable hot-dip galvanised steel grates for easy cleaning.

## Main features

- Primed and coated with oil resistant paint.
- Forklift pockets for easy handling and movement.
- Drain pipe with safety cap for maintenance and cleaning operations.
- Possibility to include several models of drum racks and shelves to meet any storage requirement. Cod. VPM01

## Accessories

- One drum rack (cod. PORTAFUSTOSINGOLOVERN).
- Stackable drum rack (cod. PORTAFUSTODOPPIOSOVVERN).

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Drum capacity
VPF01	206	900	900	255	1
VPF02	298	1,300	900	255	n. 2 drums
VPF04	464	1,400	1,300	255	4
VPF08	928	2,800	1,300	255	n. 8 drums
VPM01	206	1,350	900	255	1



# Polyethylene sump pallets

Polyethylene banded storage solution for IBCs and drums, made in 100% recycled polyethylene and provided with removable polyethylene grate



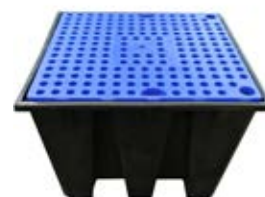
VPF01PEPG



VPF02PEPG



VPF04PEPG



VPF1IBCPEPG

## Description

Ecological containment platforms, made in non-toxic roto-molded polyethylene, UV stabilized, with self-supporting structure for the storage of acids, saline solutions, oils, non-flammable chemicals and other fluids compatible with polyethylene. They are complete with polyethylene grate which is removable to ease internal cleaning. These sump pallets are stackable (only empty) and easily handled and moved with forklift through the dedicated pockets for the forks. These polyethylene sump pallets represent a cheap and reliable solution by respecting the environment and responding to the strictest ecological norms.

## Outfittings

VPF1IBCPEPG (foto 01):  
Polyethylene grate

VPF04PEPG (foto 02):  
Polyethylene grate

VPF02PEPG (foto 03):  
Polyethylene grate.

VPF01PEPG (foto 04):  
Polyethylene grate.

## Accessories



Horizontal support for drum



Funnel with inner filter drip tray  
provided with lid, diam. Ø 650 mm

## Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Drum capacity	Maximum load (kg)
VPF01PEPG	120	1,240	840	230	n. 1 drum	300
VPF02PEPG	220	1,265	700	495	n. 2 drum	500
VPF04PEPG	450	1,280	1,280	485	n. 4 drum	1,300
VPF1IBCPEPG	1,100	1,380	1,280	1,000	n. 1 IBC	1,500



# Polyethylene cabinet

Polyethylene cabinet for IBCs and drums, made in polyethylene and provided with removable polyethylene grate. and lockable doors.



## Description

Polyethylene cabinet for IBCs and drums, made in polyethylene and provided with removable polyethylene grate and lockable doors.

## Technical data

Model	Nominal capacity (lt)	External depth (mm)	External width (mm)	External height (mm)	Internal depth (mm)	Internal width (mm)	Internal height (mm)
VPFPEYSECURBOX2FUSTI	280	1,040	1,500	1,900	910	1,300	1,400
VPFPEYSECURBOXIBC	1,100	1,500	1,500	2,250	1,400	1,400	1,360



# Polyethylene box for sand, salt and absorbing items

Polyethylene box for sand, salt and absorbing items.



Technical data

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)
VPS180L	180	1,030	630	690
VPS300L	300	1,255	750	850





# Folding Tray

Portable flexible spill containment tray



## Description

Emiliana Serbatoi's Folding tray is a practical and ready-to-use solution to contain liquid spilled or leaked from cans, pails and other containers as well as from our transport tanks EMILCADDY® and CARRYTANK®. Thanks to its small and flat PVC size, flexibility and multi-function configuration, it is extremely useful as spill emergency tray or as transport container to protect vehicles and environment from polluting fluids.

## Main features

- Convenient, compact and quickly foldable.
- Completely fireproof and impervious to liquids.
- Flexible for fast spill response and versatile in terms of space and functions.
- Space-saving and easy to handle with its practical transport bag.
- Resistant to fuels, oils, chemicals and aggressive fluids in general.
- Suitable and reliable for any kind of vehicle

Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
FOLDINGTRAY	980	860	150



# Oil Kit

Portable Lubricants transfer unit.



## Description

Portable unit for lubricants transfer, fitted with battery pump, 12 V or 24 V, suction and delivery hoses, filter and fuel nozzle. Thanks to its small size, reliability and ready-to-use configuration, it is especially useful when fuel must be transferred or dispensed safely having only battery power on hand. Typical fields of application are garage and auto repair shop.

## Main features

- Power supply: 12 V DC or 24 V DC.
- Consumption: 22 Amp (12 V DC) - 11 Amp (24 V DC).
- Max flow rate: 4 L/min.
- Suction height: up to 1,5 meters.
- Working temperature: -20°C / +60°C.
- Duty cycle: 30 min.

## Outfittings

- Self-priming volumetric rotary vane pump, with cast-iron casing.
- Fixed-brush motor with permanent-magnet stator.
- Terminal board for switches and circuit-breakers.
- Battery cable, 4 m length, complete with clamps for battery connection.
- Delivery fuel hose, 3 m length, size 3/4", suitable for lubricants.
- Aluminium manual nozzle.
- Suction fuel hose, 3 m length, size 3/4", suitable for lubricants.
- Bottom suction filter.
- Nozzle for oil.

## Accessories



Digital flow meter for lubricants



Strainer filter stainless steel

For diesel and gasoline. Impurity filtration. Filter capacity 60µm. Flow rate 50 l/min.

## Technical data

Model	Width (mm)	Depth (mm)	Highness (mm)
OILKIT	600	420	230



# Eko Kit

Environmental emergency spill kit



## Description

Eko Kit is a portable absorbing spill unit for fast and effective action against spills. Thanks to its small size, reliability and ready-to-use configuration, it is extremely useful to absorb hydrocarbons and chemical products in general. Once completed the collection of the spilled liquid, the exhausted absorbent items can be easily collected in special nylon bags available in the case. Eko kit is an effective emergency solution on every kind of vehicle, where a practical, compact and professional spill response kit is needed.

Version available: EKO KIT 28, absorbency: up to 28 liters.

## Main features

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- No. 10 universal absorbing pads, 50x40 cm, absorbent capacity of 0.8 l./pad.
- No. 20 universal absorbing pads, 50x40 cm, absorbent capacity of 0.5 l./pad.
- No. 2 adsorbing socks, 8x120 cm, absorbent capacity of 5 l. each.
- No. 2 pairs of nitrile gloves.
- No. 1 pair of safety goggles.
- No. 2 protective mask, FFP3 type.
- No. 2 disposal bags.

## Technical data

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Model	Width (mm)	Depth (mm)	Highness (mm)
EKOKIT	600	420	230



# Double-walled polyethylene tanks for chemical products

Tanks made with polymers suitable for containing chemical products



OUTDOOR version



INDOOR version



Double wall tank level kit (only for the OUTDOOR version)

## Description

### Double-walled tanks, outdoor use

Tanks made with neutral-colored polymers, suitable for containing chemical products, characterized by a safety chamber, which guarantees the containment of any accidental spills

### Double-walled tanks, indoor use

Tanks made with neutral-colored polymers, suitable for containing chemical products, characterized by a safety chamber, which guarantees the containment of any accidental spills. Model with an external open-air chamber and therefore to be installed inside.



## Accessories

- Connection in PE 100 PN 16 with flange DN 63 on flat surface
- Connection in PE 100 PN 16 with flange DN 90 on flat surface
- Connection in PE 100 PN 16 with flange DN 110 on flat surface
- Connection in PE 100 PN 16 with flange DN 63 on not flat surface
- Connection in PE 100 PN 16 with flange DN 90 on not flat surface
- Connection in PE 100 PN 16 with flange DN 110 on not flat surface
- Pipe in PE 100 PN 16 DN 63 on flat surface
- Pipe in PE 100 PN 16 DN 90 on flat surface
- Pipe in PE 100 PN 16 DN 110 on flat surface
- Pipe in PE 100 PN 16 DN 125 on flat surface
- Pipe in PE 100 PN 16 DN 160 on flat surface
- Pipe in PE 100 PN 16 DN 200 on flat surface
- Pipe in PE 100 PN 16 DN 63 on not flat surface
- Pipe in PE 100 PN 16 DN 90 on not flat surface
- Pipe in PE 100 PN 16 DN 110 on not flat surface
- Pipe in PE 100 PN 16 DN 125 on not flat surface
- Pipe in PE 100 PN 16 DN 160 on not flat surface
- Pipe in PE 100 PN 16 DN 200 on not flat surface
- Double wall tank level kit (available only for the OUTDOOR use version)

## Technical data



Outdoor double chamber tanks

Model	Nominal capacity (lt)	Ø Manhole cover (mm)	Ø Internal manhole cover (in)	Reservoir	
				Diameter (mm)	Highness (mm)
PLTVDP100	100	320	320	600	850
PLTVDP200	200	320	320	700	1,250
PLTVDP1000	1,000	420	320	1,100	1,820
PLTVDP2000	2,000	420	420	1,470	2,020
PLTVDP3000	3,000	420	420	1,690	2,060
PLTVDP5000	5,000	550	420	2,380	2,330



Indoor double chamber tanks

Model	Nominal capacity (lt)	Ø Manhole cover (mm)	Reservoir	
			Diameter (mm)	Highness (mm)
PLTVDPA100	100	320	600	720
PLTVDPA200	200	320	700	900
PLTVDPA1000	1,000	320	1,100	1,780
PLTVDPA2000	2,000	420	1,470	1,820
PLTVDPA3000	3,000	420	1,690	2,070
PLTVDPA5000	5,000	420	2,380	1,940



# Biodiesel Tanks

Ecologic tanks for storing and transporting Biodiesel



Allestimento standard Biodiesel



Allestimento standard Biodiesel



Armadietto standard Biodiesel



Filtro

## Description

Storing, transporting and dispensing Biodiesel efficiently and safely is now possible with Emiliana Serbatoli, with a brand new range of tanks designed to contain the innovative sustainable fuel, including the more aggressive B100, that reduces atmospheric emissions, thereby confirming its focus on sustainable refuelling. A Biodiesel version has been developed for the main products in the catalogue: from the Traspò®, Emilcaddy® and Carrytank® lines of transportable steel and polyethylene tanks, with capacities ranging from 55 to 1000 litres, to the Tank Fuel line in steel that can hold tens of thousands of litres of fuel. Delivery units on Biodiesel tanks are also suitable for "green" fuel: self-priming vane pumping systems, manual and automatic nozzles, mechanical and electronic fuel meters and portable transfer units.

## Main features

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More environmentally friendly

Emiliana Serbatoi launches a range of tanks specifically for Biodiesel, the innovative sustainable fuel that reduces atmospheric emissions.

Efficiency and safety

Steel tanks for storing, transporting and dispensing Biodiesel, including the B100 version, allow vehicles to be refuelled efficiently and safely.

Many solutions available

Capacities ranging from 55 litres to tens of thousands of litres, and a fuel delivery rate of up to 100 litres per minute with a dedicated fuel meter.

## Outfittings

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- CARRYTANK®
- CARRYTANK® PICKUP
- TRASPO®
- TANKUBE®
- EMILCUBE®
- TANKFUEL®

## Accessories

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**Filter Water captor 70**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 70 l/min.



**Filter Water captor 150**

For diesel and gasoline. Water absorption and impurity filtration. Filter capacity 30µm. Flow rate 150 l/min.



**Digital flow meter for diesel K24 in aluminum**



**Mechanical flow meter K33 for Biodiesel**



**Mechanical flow meter K150 for Biodiesel**

# Water tanks

# 08

## Water tanks

Polyethylene water tanks



# Polyethylene water tanks

Polyethylene tanks suitable to store drinking water for civil purposes, to be used as water reserves for industrial and fire prevention purposes and to collect rain water or wastewater.



## Description

Our drinking water high density polyethylene tanks are designed and manufactured to store foodstuffs, drinking water and to collect rain water or waste water. Made in linear polyethylene which is a non-toxic material, they are manufactured according to the regulation and directives in force. Rotational moulding process and the use of specific high density linear polyethylene ensure excellent impact strength, resistance against chemical agents, temperature changes, adverse weather conditions and UV rays. These tanks are not transparent and this fact prevents the exposure of stored liquid to sunlight minimizing the growth of algae.

## Main features

- Very durable, light and easy to handle,
- Manufactured using superior, computerised techniques; this ensures our tanks are produced to the highest standards.
- Thanks to their monolithic structure and homogeneous wall thickness, they are free from any critical point assuring a premium quality
- They can be easily washed by means of traditional detergents thanks to their perfectly smooth inner surface.
- All tanks are supplied with top screwed lid
- Many accessories and fitting to suit client's individual requirements.

## Accessories

Manhole extensions ( diameter cm 47, height cm 40)  
 Manhole extensions ( diameter cm 47, height cm 34)  
 Manhole extensions ( diameter cm 68, height cm 42)  
 Connection in PE 100 PN 16 with flange DN 63 on flat surface  
 Connection in PE 100 PN 16 with flange DN 90 on flat surface  
 Connection in PE 100 PN 16 with flange DN 110 on flat surface  
 Connection in PE 100 PN 16 with flange DN 63 on not flat surface  
 Connection in PE 100 PN 16 with flange DN 90 on not flat surface  
 Connection in PE 100 PN 16 with flange DN 110 on not flat surface  
 Pipe in PE 100 PN 16 DN 63 on flat surface  
 Pipe in PE 100 PN 16 DN 90 on flat surface  
 Pipe in PE 100 PN 16 DN 110 on flat surface  
 Pipe in PE 100 PN 16 DN 125 on flat surface  
 Pipe in PE 100 PN 16 DN 160 on flat surface  
 Pipe in PE 100 PN 16 DN 200 on flat surface  
 Pipe in PE 100 PN 16 DN 63 on not flat surface  
 Pipe in PE 100 PN 16 DN 90 on not flat surface  
 Pipe in PE 100 PN 16 DN 110 on not flat surface  
 Pipe in PE 100 PN 16 DN 125 on not flat surface  
 Pipe in PE 100 PN 16 DN 160 on not flat surface  
 Pipe in PE 100 PN 16 DN 200 on not flat surface  
 PE 100 connecting joint 2"

## Technical data



### Vertical tanks

Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Drain (in)	Emptying (in)	Too full	Vfiato
PLTVRT100	100	670	480	320	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTVRT200	200	850	600	320	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTVRT300	300	970	700	320	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTVRT1000	950	1,980	810	320	1 1/4"			Labyrinth Valve 1"
PLTVRT2000	2,000	1,820	1,270	420	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTVRT3000	3,000	2,020	1,470	420				Labyrinth Valve 1"
PLTVRT4000	4,000	2,060	1,690	420				Labyrinth Valve 1"
PLTVRT5000	5,000	1,890	2,030	420				Labyrinth Valve 1"
PLTVRT10000	10,000	2,600	2,380	550				Labyrinth Valve 1"
PLTVRT16000	15,400	3,770	2,380	550				Labyrinth Valve 1"



### Horizontal tanks

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Ø Manhole cover (mm)	Drain (in)	Emptying (in)	Too full	Vfiato
PLTORZ300	290	730	820	820	320	1 1/4"	1 1/4"	1"	Labyrinth Valve 1"
PLTORZ7500	7,150	1,890	3,180	2,170	550				2" breather fittings (male)
PLTORZ10000	10,400	2,250	3,100	2,550	550				2" breather fittings (male)





## Horizontal tanks

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Ø Manhole cover (mm)	Drain (in)	Emptying (in)	Too full	Vfiato
PLTORZ2000L	2,000	1,300	1,700	1,380	400	1"	1"	1"	
PLTORZ3000L	3,000	1,450	2,000	1,530	400	1"	1"	1"	
PLTORZ5000L	5,000	1,700	2,470	1,780	400	1"	1"	1"	



## Horizontal snake tanks

Model	Nominal capacity (lt)	Highness (mm)	Depth (mm)	Diameter (mm)	Ø Manhole cover (mm)	No. of feet	Vfiato
PLTSAKE10000	10,000	2,550	2,750	2,380	550	4	2" PE box connection (male)
PLTSAKE15000	15,000	2,550	3,940	2,380	550	4	2" PE box connection (male)
PLTSAKE20000	20,000	2,550	5,100	2,380	550	4	2" PE box connection (male)
PLTSAKE25000	25,000	2,550	6,300	2,380	550	6	2" PE box connection (male)
PLTSAKE30000	30,000	2,550	7,460	2,380	550	6	2" PE box connection (male)
PLTSAKE40000	40,000	2,550	9,820	2,380	550	8	2" PE box connection (male)
PLTSAKE50000	50,000	2,550	12,180	2,380	550	10	2" PE box connection (male)



## Horizontal panettone tanks

Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Drain (in)	Emptying (in)	Too full	Vfiato
PLTPAN300	310	700	900	220	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTPAN2000	2,050	1,390	1,570	420	1 1/4"	1"	1"	Labyrinth Valve 1"
PLTPAN3000	3,050	1,280	1,940	420				Labyrinth Valve 1"
PLTPAN5000	4,950	1,420	2,380	420				Labyrinth Valve 1"
PLTPAN7500	7,550	1,980	2,380	420				Labyrinth Valve 1"



## Garden tanks

Model	Nominal capacity (lt)	Highness (mm)	Diameter (mm)	Ø Manhole cover (mm)	Cargo (in)	Drain (in)	Emptying (in)	Too full
PLTORCIO200	200	850	730	370	3/4"	1 1/4"	1"	1"
PLTORCIO300	300	960	830	370	3/4"	1 1/4"	1"	1"
PLTORCIO500	500	110	980	450	3/4"	1 1/4"	1"	1"
PLTORCIO1000	960	1,400	1,160	450	3/4"	1 1/4"	1"	1"



## Horizontal underground tanks, small capacities

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Ø Manhole cover (mm)	Vfiato
PLTINT2000DS	1,950	1,360	1,550	1,440	320	2" breather fittings (male)



## Medium capacity horizontal underground tanks

Model	Nominal capacity (lt)	Width (mm)	Depth (mm)	Highness (mm)	Ø Manhole cover (mm)	Vfiato
PLTINT5000DS	4,800	1,750	2,350	2,200	550	2" breather fittings (male)
PLTINT10000DS	9,200	2,290	2,700	2,750	550	2" breather fittings (male)



## Large capacity horizontal underground tanks

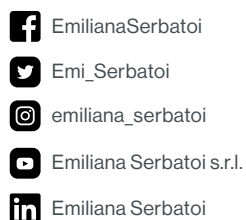
Model	Nominal capacity (lt)	Depth (mm)	Highness (mm)	Diameter (mm)	Vfiato
PLTLOMB10000DS	10,000	2,750	2,550	2,380	2" PE box connection (male)
PLTLOMB15000DS	15,000	3,900	2,550	2,380	2" PE box connection (male)
PLTLOMB20000DS	20,000	5,080	2,550	2,380	2" PE box connection (male)
PLTLOMB25000DS	25,000	6,270	2,550	2,380	2" PE box connection (male)
PLTLOMB30000DS	30,000	7,430	2,550	2,380	2" PE box connection (male)
PLTLOMB35000DS	35,000	8,620	2,550	2,380	2" PE box connection (male)
PLTLOMB40000DS	40,000	9,790	2,550	2,380	2" PE box connection (male)
PLTLOMB45000DS	45,000	10,980	2,550	2,380	2" PE box connection (male)
PLTLOMB50000DS	50,000	12,150	2,550	2,380	2" PE box connection (male)
PLTLOMB55000DS	55,000	13,340	2,550	2,380	2" PE box connection (male)
PLTLOMB60000DS	60,000	14,500	2,550	2,380	2" PE box connection (male)

### Note

### Note

**EMILIANA SERBATOI S.R.L.**

Largo Maestri del Lavoro, 40  
41011 **Campogalliano** (Modena) Italy  
Tel. **+39 059 521911**  
Fax +39 059 521919  
info@emilianaserbatoi.it  
**emilianaserbatoi.com**



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