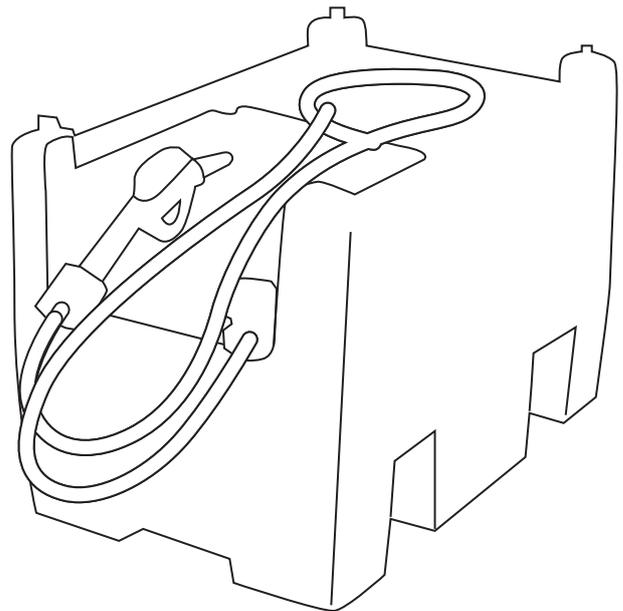
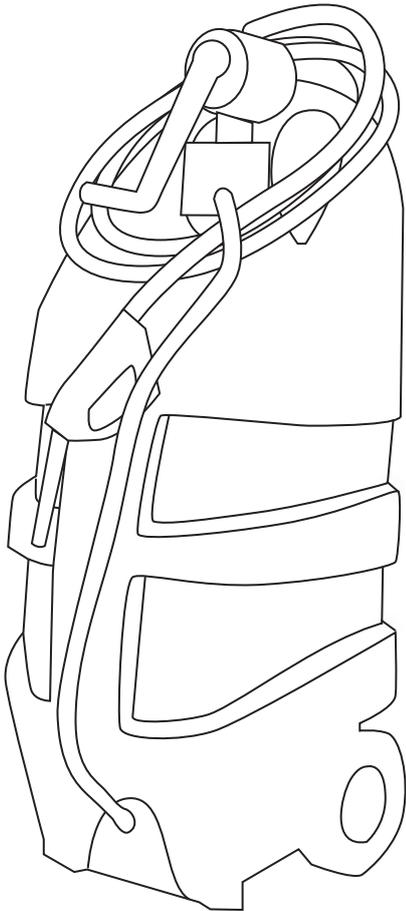




POLYETHYLENE TANKS FOR THE TRANSPORT OF ADBLUE®/DEF/UREA



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Part No. ...

53772 (12V), 53774 (12V), 72310 (Hand operated lever pump), 73215 (12V)

DESCRIPTION

In accordance with the new European (Euro 4, Euro 5 and Euro 6) emission standards, the new commercial vehicles are equipped with a system of reduction of nitrogen oxides (NOX) using selective catalytic reactor (SCR). The formation of NOX derives from the process of combustion of fuel (diesel oil) due to the high temperatures reached in the combustion chamber, that is in the engine; these temperatures favour the combination of oxygen with nitrogen, both compounds present in the combustion.

In order to reduce the concentrations of NOX, which would be bound to pollute the atmosphere, the aqueous solution with high purity urea at a concentration of 32.5% (AdBlue®), is injected, through a series of automated devices, between the engine and the catalytic converter.

AdBlue® acts by decomposing into ammonia and CO₂; once reached the catalytic converter, the ammonia reacts with the NOX giving rise to two harmless substances present in the atmosphere in significant quantities: elemental nitrogen and water.

ORION has developed a line of polyethylene tanks for the transport of AdBlue®/DEF/Urea. These substances are not classified as dangerous goods according to ADR, therefore their transport should not be subject to specific restrictions. All tanks are made of linear polyethylene, a material that ensures excellent

resistance against shocks, temperature, chemical and atmospheric agents. The range of the tanks consists of several models that differ depending on the capacity.

Below is a list of the models in order of increasing capacity:

Below is a list of the models in order of increasing capacity:

- 73210 - 73215 (110 l).
- 53772 (220 l).
- 53774 (440 l).

All tanks are equipped with:

- Filler cap
- Safety valve
- Transfer unit
- Automatic or manual nozzle
- Vacuum lifting handles and housings for positioning fixing belts to the base plate.

MANUAL: FEATURES

CONTENT AND RECIPIENTS

This manual, delivered by ORION together with the tank wants to give the user an overview of the main legal and operational advice to address all the different situations of use of containers properly (mostly on the road) of containers.

The user should read it carefully before using the tank in order to avoid inappropriate behaviour from which objective situations of danger, or at least not complying with current regulations could derive, and as such subject to penalties, even serious ones, by the competent authority.

To the knowledge of the technical aspects that ORION intended to highlight with this manual, user will still have to match the utmost caution in the road driving, aware that any accidental situation may unfortunately occur, the presence of dangerous goods can only aggravate the consequences.

It is therefore recommended:

- **Driving only if in psycho-physical conditions not affected by alcohol, drugs, medicines, or by exhaustion or disease.**
- **To drive cautiously, moderating the rate within the limits imposed by signage, and avoiding any risky manoeuvre.**

The manual should be available for reading and consultation, in particular for the competent parties, to any person assigned to carry out one of the operations listed below:

- Installation on vehicle (connection of electrical, grounding)
- Filling
- Refuelling
- Maintenance
- Disposal and/or demolition



Each operator will undertake the activities of competence only after reading this manual carefully and fully understanding its contents, with particular reference to warnings and bans highlighted.

CONSERVATION

This manual must be kept perfectly intact and in an easily accessible place for the duration of the useful life of the tank, available to operators for consultation where necessary; you must deliver it to anyone who needs to succeed in any capacities in managing or using it (eg. in case of sale).

In case of loss or deterioration of the manual, even if only partial, it is the user's responsibility to rebuild document integrity by forwarding duplicate request to ORION, indicating the serial number of the manual (stamped on the nameplate).

SYMBOLS ADOPTED

	Important instructions, where non-compliance determines safety levels reduction. The symbol is also used stress advice or procedures where non compliance could determine damage to the tank or serious regulatory failures.
	Important instruction whose non-observance can lead to serious situations of danger for the operator and/or exposed persons.
	Danger to life due to explosion. The symbol is used exclusively for dissuasive purposes against any risky behaviour, in certain exceptional situations.
	Important prohibition, where non-compliance can lead to an immediate danger for the operator and/or exposed persons.
	Useful notes regarding the tank technical specifications and/or instructions for its best use, and/or clarifications by ORION about technical or contractual aspects.

MANUAL: FEATURES

REFERENCES

References to characteristic parts of the tank are usually followed, in parenthesis, by the number corresponding to the position they occupy in the particular descriptive photographs of (pag. 6) and related key.

SUPPLEMENTARY MANUALS

This manual may not be the only user reference manual of the tank, but it can be combined with the manufacturer's Brewing Unit EC manual, where the brewing unit installed is of a different type (bought or built by ORION itself).

LEGISLATIVE AND REGULATORY FRAMEWORK APPLICABLE

REFERENCE LEGISLATION

In the examination of essential safety requisites provided for by Directive 2006/42/EC et seq. broader regulatory and legislative references were considered; the main ones are summarized in the table below.

LAW / STANDARD	OBJECT
D.Leg. 81/08	Implementation of article 1 of law August 3, 2007, n. 123 concerning the protection of health and safety in the workplace (Consolidated Text on Occupational safety).
D.Leg. 106/2009	Supplementary and remedial provisions of the Decree April 9, 2008 n. 81 concerning the protection of health and safety in the workplace.
Directiva 2006/42/CE	Machinery Directive.
Directiva 2014/30/UE	Electromagnetic compatibility.
Directiva 2014/68/UE	Pressure equipment.
UNI EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction.
EN 809:1998+A1:2009	Pumps and pump units for liquids – General safety requirements.
EN 13478:2008	Safety of machinery – Fire prevention and control.
EN ISO 13857:2008	Safety of machinery – safety distances to prevent danger zones being reached by the upper and lower limbs.
UNI EN ISO 13849-1:2016	Safety of machinery – Control systems parts related to safety – Part 1: General principles for design.
UNI EN ISO 14120:2015	Safety of machinery – Guards – General requirements for the design and construction of fixed and movable guards.
EN 60034-5:2001	Rotating electrical machines – Part 5: Degrees of protection provided for rotating machines.
EN 60204-1:2005+AMD1:2008 CSV	Safety of machinery – Electrical equipment of machines – Part 1: General rules.
UNI EN 1037:2008	Safety of machinery – Prevention of unexpected start.
EN 12162:2009	Pumps for liquids. Security requirements: procedures for hydrostatic testing.
EN ISO 4871:2009	Acoustics – Declaration and verification of noise emission values of machinery and equipment.
UNI EN ISO 11200:2014	Acoustics – Noise emitted by machinery and equipment – guidelines for the use of basic rules for the determination of emission sound pressure levels at a work station and at other specified positions.
UNI EN ISO 20361:2009	Pumps and pump units for liquids – Noise test procedure.
EN 61000-6-1	Electromagnetic compatibility – Immunity – Immunity for residential, commercial and light industry environment.
EN 61000-6-3	Electromagnetic compatibility – Emissions – Emissions for residential, commercial and light industry environment.
CEI EN 60529	Degrees of protection provided by enclosures (IP Codes).

It is not taken into account the ADR because according to the same, the substances AdBlue®/DEF/Urea are not classified as dangerous goods, and therefore their transportation does not need to be subject to specific restrictions.



The above framework must be considered merely indicative. ORION declines any responsibility with regard to the consideration of all other laws and regulations applicable to the specific user activity, whose knowledge and respect the user has full and exclusive responsibility, in particular concerning safety.

LIMIT OF USE

We do not recommend the use of tanks in case physical and structural damage are detected.

CE COMPLIANCE

IDENTIFICATION PLATE

		www.alentec.com	
MODEL:			
SERIAL NO.:			
FLOW RATE:	l/min	YEAR:	
POWER:	W		
VOLTAGE:	V		
AMPERAGE:	A		

Plate CE

DECLARATION OF CONFORMITY CE (FACSIMILE)

	
EN CERTIFICATE OF SUITABILITY AND WARRANTY	
We hereby declare that our mobile tanks for the storage and transport of Urea / DEF / Adblue® which are mentioned below:	
Part No.: 73210, 73215, 53772, 53774	
are containers suitable for the storage and transport of this fluid.	
They have been submitted to a leaking pressure test at 0,2 bar and have been proven to be perfectly watertight. We release a one year warranty against manufacturing defects.	
SE CERTIFIKAT FÖR LÄMPLIGHET OCH GARANTI	
Vi deklarerar härmed att våra mobila tankar för lagring och transport av Urea / DEF / Adblue® som är nämnda nedan:	
Art.-nr.: 73210, 73215, 53772, 53774	
är behållare lämpliga för lagrandet och transporten för denna vätska.	
De har blivit utsatta för ett läckagetest på 0,2 bar och har visats vara helt vattentäta. Vi har ett års garanti mot fabriktionsfel.	
Äta,	Name, signature and position of the undersigned / Namn, signatur och position
Alentec & Orion AB Grustagsvägen 4, SE-13840, Äta, SWEDEN info@alentec.se www.alentec.com	 Kristofer Tynhage Managing director
	 Olle Berglund Product Manager

RESPONSIBILITIES

RESPONSIBILITIES OF ORION

ORION is responsible for the supply of a product in accordance with the legislation in force at the time of delivery, then built to perfection, using suitable, reliable materials and components corresponding to the approvals obtained. In particular ORION is responsible for the provision of a machine in whose design and construction risks related to all stages of use and maintenance were considered and, where possible, eliminated or reduced, by placing in this manual the most suitable instructions and warnings to minimize residual risks.

ORION disclaims any responsibility for any event or situation connected to:

- The user's failure to comply with the instructions, prescriptions, warnings and

prohibitions contained in this manual, and in particular to use other than that described in pag. 5 "Uses allowed and not allowed" and to actions or behaviours inconsistent with the provisions invoked by the warning notices.

- Improper maintenance or maintenance performed by non-qualified personnel.
- The use of non-original spare or non corresponding parts (See pag. 10).
- Tampering with safety devices, protections, or alteration of the calibrations, if provided.
- Modifications not expressly and previously authorised by ORION.

RESPONSIBILITIES

USER RESPONSIBILITY

It is the "user" the subject who, for whatever reason, is responsible for the operational management of the tank and then it is identified first with the client/purchaser, who in turn may delegate the management of the tank to third parties in possession of the requirements.

User is in charge for:

1. Checking compliance of the tank with the requirements of the order, the presence of the CE marking and the manufacturer's Declaration of conformity.
2. Preparing any type of additional protective equipment:
 - Fire extinguishers
 - Personal protection equipment
3. Completing the equipment of the tank with everything necessary to comply with the requirements provided by ORION in relation to:
 - Suitable anchorage systems on the vehicle
 - Equipotential connection
 - Suitable power supply lines.
4. Disseminating this guide and make it permanently available and easily accessible to all authorised users, checking its successful comprehension, and forbidding the management and utilisation of the tank to all subjects that may be deemed without the knowledge and skills required.
5. Using and/or making use the tank in compliance with instructions, prescriptions, warnings and prohibitions contained in this manual, particularly as regards "uses allowed and not allowed" see below, and in accordance with the directions of the warning notices.
6. Taking effective measures to prevent unauthorised use, and ensuring correct behaviour of authorised personnel.
7. Proper maintaining the tank with the use of original spare parts or equivalent and anyway using specialised personnel, respecting the original configurations of supply and avoiding making arbitrary changes without first consulting the manufacturer ORION
8. Fully knowing all the laws and regulations (safety and tax sectors) of his interest in relation to the activity carried on, quite apart from any information provided in this regard by ORION.

ALLOWED – NOT ALLOWED USES

SUBSTANCES ACCEPTED FOR CARRIAGE

The transport of the following goods is allowed:

- Urea - Ad-Blue®- DEF
- Water

FLUID TYPES NOT COVERED

Any different hazardous material. For this reason are prohibited, as a way of example:

- Diesel fuel (UN 1202)
- Gasoline (UN 1203)
- Jet fuel (UN 1863)
- Kerosene (UN 1223)
- Methanol (UN 1230)
- General solvents and flammable liquids
- Corrosive substances, etc.

The characteristics of the materials used in the construction of the tank and of the emptying device also make it unfit for transport of:

- Liquids with viscosity > 20 cSt,
- Food liquids

ENVIRONMENTAL CONDITIONS

- Temperature of use of the tank: from -20° C to + 60° C.

For the operating temperature of the products contained refer to the Product Sheet issued by the manufacturer.

Relative humidity: 90% max.

WORKING CYCLE (ELECTRIC PUMPS)

The machine is designed for 30 'of continual use in nominal flow.

Bypass operation (zero flow) may not technically exceed a maximum duration of 2 minutes.

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FEATURES

OVERALL DIMENSIONS

See page 12.

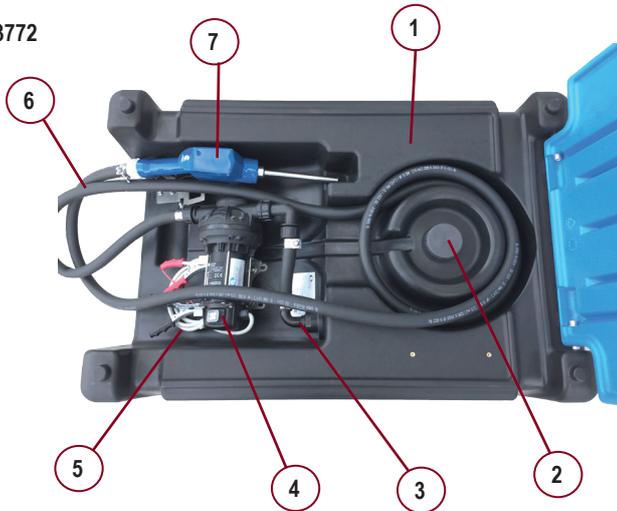
DETAILS KEY

73210
73215



- 1 1a. (73215)
1b. (73210) Hand operated lever pump
- 2 Pump support
- 3 Tank body
- 4 Support wheel
- 5 Support leg
- 6 Lower safety valve
- 7 Front gun support
- 8 Dispensing Gun
- 9 Anti-spill vent cap
- 10 Rubber delivery pipe
- 11 Power cable with pliers

53772



- 1 Tank body
- 2 Filling nozzle (2") with built-in vent
- 3 Suction tubing
- 4 Electric pump with I/O switch
- 5 Power cable with pliers
- 6 Rubber delivery pipe
- 7 Dispensing Gun
- 8 Flow meter (optional)

53774



- 1 Tank body
- 2 Filling nozzle (2") with built-in vent
- 3 Suction tubing
- 4 Electric pump with I/O switch
- 5 Power cable with pliers
- 6 Rubber hose
- 7 Dispensing Gun
- 8 Flow meter (optional)
- 9 Level indicator

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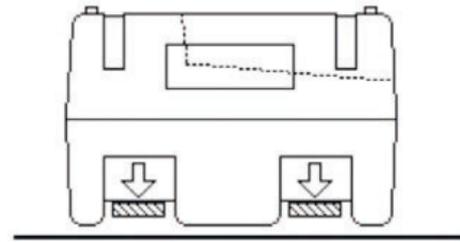
HANDLING-TRANSPORT

HANDLING

73210 - 73215 - 53772 - 53774 tanks come with handles for lifting; moreover, only the 53772 - 53774 can also be lifted, laden or not, exclusively via trans-pallets or forklift with forks completely inserted into the tracks highlighted in the schemes below.

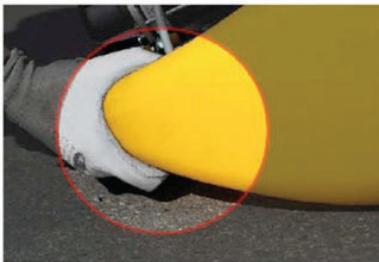


Pay attention to the effects of repeated rubbing produced by forks at the bottom of the container because usury, over time, could lead to structural weakening and impair the grip. It is therefore important to careful use of lifting equipment, and periodically check the status of the bottom of the container.



Passages for forklift forks housing in 53772 - 53774

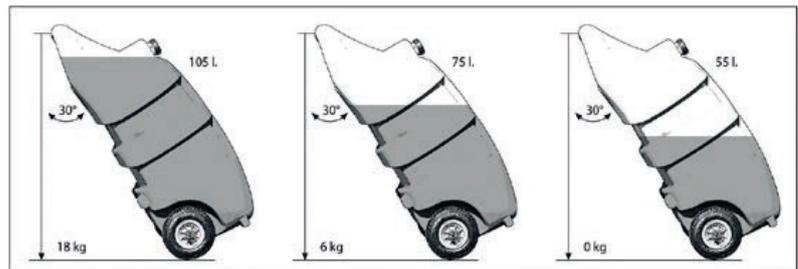
73210 - 73215 series containers are equipped with vacuum lifting handles both on the upper part and at the bottom.



Top handle for gripping and lifting Lower housing for lifting.



Lifts by different means or hooking the tank in points other than those expressly provided for and highlighted with appropriate pictograms are not allowed.



Weight distribution on handle during towing.

STACKING

There is no possibility of stacking during transport.

As regards the storage phase, different rules apply depending on the model of the tank:

- For 53772 - 53774 containers, stacking of max. n. 1 laden contained and n. 3 empty containers is admitted.
- For 73210 - 73215 containers, there is no possibility of stacking

ROAD TRANSPORT



The containers referred to in this manual are not subject to the requirements of ADR provided for the transport of dangerous goods, including those relating to ADR labelling and reporting of the material transported.

It is anyway advisable to equip the tanks with the following hazard pictograms:



hazard pictograms of material harmful to the environment.

The safety of carriage must be anyway guaranteed and the prescriptions of art. 164 of the Traffic Laws about "STOWAGE OF LOAD ON ORION_AdBlue_ Rev.0 del 04/2018 11 EN VEHICLES" must be observed. Therefore:

- The containers should be kept clean, free from residue of hazardous material adhering to its exterior.
- The containers must be firmly anchored to the floor of the vehicle, using belts of adequate form and adequate strength so as to avoid any slippage or displacement on the load floor
- Avoid the presence on the vehicle's cargo area of rags or other inflammable objects.
- The shut-off valves (if any) must be kept closed during transport.
- The containers must be placed on the loading surface so that the maximum loads on the axles of the vehicle are not exceeded.
- The driver must take prudent and cautious guidance especially in the case of partial loads, because the fluctuations of liquid, while taking into account the limited volume of the tank, can negatively affect road holding of the vehicle.

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ELECTRICAL SYSTEM AND VEHICULAR CONNECTION OPTION

See page 13.

USE

OPERATING CONDITIONS

Operations (fills, transfers) must be carried out in compliance with the following prescriptions:

- Choose ventilated places for transfer and filling operations
- In the event of any spillage of AdBlue®/DEF/Urea on the ground during the operations, dab with inert absorbents (e.g. sand), to collect with buckets or palette. The product collected will be subsequently disposed of by the appropriate containers in accordance with current waste disposal regulations (see page 11).
- Upon completion of the operation, any residual AdBlue®/DEF/Urea on the containers will be carefully removed and disposed of, together with the objects used for cleaning.

FILLING

Before filling, the user must verify that the container has not manifest defect, either in its structure or its service equipment. After filling always make sure that the filling unit is tightened.

After filling the container a minimum empty part must be left to ensure that, in case of expansion of material as a result of the heating during transport, leakage of product or emission of vapours into the atmosphere are anyway prevented.

The tank can be filled both in horizontal and vertical position and in both cases, the amount of fuel content is exactly the same.

Failure to respect the precautions can lead to dispersion of material during transport.



Avoid in any case of overfilling the tank: always leave an adequate minimum vacuum that allows the free liquid expansion

EMPTYING

For emptying, do following operations sequentially and according to the tank model.

73210 - 73215

EMPTYING WITH MANUAL PUMP

- Unroll the rubber hose and insert the gun in the destination tank.
- Lock the lever of the gun in the open position making sure the gun is stable.
- Turn the knob to the "OPEN" position.
- Operate the hand pump and check the desired level is reached. After completing emptying, perform the operations described in sequence:
- Release the lever of the gun in closed position.
- Turn the knob to the position "CLOSED".
- Store the hose properly rolled in the position shown in the photo (page 6).
- Put the gun on its holder.

EMPTYING WITH ELECTRIC PUMP

- Check that the main switch of the electric pump is switched to "O".
- Enable the power line connecting the clamps to the terminals of the battery, respecting the polarities (red +, black-), or, in case of vehicular connection (page 13), verify that the circuit breaker "D" is active (open circuit) and then connect the connector "C" and only after this turn the circuit breaker "D" off.
- Unroll the hose and insert the gun in the destination tank, after locking the lever in the "open" position.
- Turn the knob to the position "OPEN".
- Start the electric pump by placing the switch to "I".
- Proceed with transferring within max. 2 minutes after the switch on of the electric pump.
- Monitor the achievement of the desired degree of filling, or wait for the overflow stop in case of automatic gun.

After completing emptying, perform the operations described in sequence:

- Turn off the switch on the pump body (Pos. "0").
- Turn the knob to the position "CLOSED".
- Go on emptying liquid by pressing down for a few moments the gun handle to discharge any residual pressure in the discharge pipe.
- Replace the hose correctly rolled up in the position shown in picture (page 6), placing the gun into the recess in the tank.
- Disconnect the power supply by disconnecting the clamps from the terminals of the battery, or in case of vehicular connection (page 13), break the circuit through the "D" circuit breaker and only after this disconnect the connector "C".

53772 - 53774

- Check that the main switch of the electric pump is switched to "O".
- Enable the power line connecting the clamps to the terminals of the battery, respecting the polarities (red +, black-), or, in case of vehicular connection (page 13), verify that the circuit breaker "D" is active (open circuit) and then connect the connector "C" and only after this turn the circuit breaker "D" off.
- Unroll the hose and insert the gun in the destination tank, after locking the lever in the "open" position.
- Start the electric pump by placing the switch to "I".
- Proceed with transferring within max. 2 minutes after the switch on of the electric pump
- Monitor the achievement of the desired degree of filling, or wait for the overflow stop in case of automatic gun.

After completing emptying, perform the operations described in sequence:

- Turn off the switch on the pump body (Pos. "0").
- Go on emptying liquid by pressing down for a few moments the gun handle to discharge any residual pressure in the discharge pipe.
- Replace the hose correctly rolled up in the position shown in picture (page 6), placing the gun into the recess in the tank.
- Disconnect the power supply by disconnecting the clamps from the terminals of the battery, or in case of vehicular connection (page 13), break the circuit through the "D" circuit breaker and only after this disconnect the connector "C".

USE

PRECAUTIONS

Each type of operation should be avoided/suspended in stormy weather in place or imminent.

Pursuant to art. 29 of the Lgs. D. 81/08, the employer is responsible to prepare appropriate risk assessment in this regard. It is considered useful to provide in each case the following minimum safety information:

- Each object with an elevation predominant compared with the surrounding area has a greater chance of being struck by lightning; so the use of the "machine" near or under the shelter of trees, towers or pylons must be considered at risk and, when placed above the vehicle floor, the container can represent itself the subject of predominant elevation relative to the surrounding area.

- Not necessarily the risk of electrocution is due to the fact that container's direct target of lightning. The mere proximity to an exposed structure constitutes danger since the current of the lightning, after hitting its target, is dispersed in the soil, so if you are in proximity to the hit structure and you are in contact with the ground you may come in contact with the leakage current and be damaged.



During transport, the power line derived from vehicle battery must be disconnected



It is absolutely forbidden to connect/disconnect the power cables to/from vehicle battery under load

SAFETY INSTRUCTIONS

In addition to those already given in several previous chapters, we remind the user the following important requirements, where non-compliance may result in extremely serious consequences:



DO NOT USE IN PLACES WHERE THERE MAY BE THE DANGER OF THE FORMATION OF EXPLOSIVE ATMOSPHERES (EN 60079-10)



At the end of the transfer switch the electric pump off within max.2 minutes, and discharge the residual pressure acting on the gun for a short residual delivery.



Store your gun and hose only after verifying the absence of drips.



During transport, the power line must be disconnected and the shut-off valve closed.



For transportation, fasten the tank with belts to prevent any movement on the loading platform.



Avoid contact of the battery terminals, although unconnected, with the product since it is corrosive.

	WARNINGS 	ADVERTENCIAS 	AVERTISSEMENTS 	WARNUNGEN 
	DO NOT USE IN ZONES WHERE THE FORMATION OF EXPLOSIVE ATMOSPHERES IS POSSIBLE.	NO UTILIZAR EN SITIOS DONDE SE PUEDE VERIFICAR LA FORMACION DE ATMOSFERAS EXPLOSIVAS.	NE PAS UTILISER DANS DES ZONES À RISQUE D'ATMOSPHÈRES EXPLOSIVES.	IN BEREICHEN NICHT VERWENDEN, IN DENEN EXPLOSIONSFÄHIGE ATMOSPHÄREN SICH BILDEN KÖNNEN.
	IT IS FORBIDDEN TO SMOKE OR USE OPEN FLAMES DURING THE OPERATIONS AND CLOSE TO THE TANK.	NO FUMAR Y USAR LLAMAS ABIERTAS DURANTE EL TRANSVASE Y EN PROXIMIDAD DEL CONTENEDOR.	IL EST INTERDIT DE FUMER ET DE METTRE EN PRÉSENCE DES FLAMMES PENDANT LES RAVITAILLEMENTS ET À PROXIMITÉ DE LA CUVE.	RAUCHEN UND OFFENE FLAMME DÜRFEN WÄHREND DES UMFÜLLVORGANGS UND IN DER NÄHE DES BEHÄLTERS NICHT VERWENDET WERDEN.
	Use only liquids allowed in the Use & Maintenance manual.	Usar solamente líquidos permitidos en el manual de uso y operación.	Utiliser uniquement les liquides autorisés dans le manuel d'utilisation.	Verwenden Sie nur Flüssigkeiten, die in der Betriebs- und Wartungsanleitung zugelassen sind.
	Once the liquid delivery is completed, switch off the electric pump within and not later than 2 minutes. Discharge the pressure and the remaining liquid by using the nozzle and close the taps.	Un vez terminado el transvase, apagar la bomba eléctrica dentro de un máximo de 2 minutos y liberar la presión del boqueterel para un suministro residual y cerrar los grifos.	Après le ravitaillement, éteindre l'électropompe dans un délai maximum de 2 minutes, et diminuer la pression en effectuant une brève distribution résiduelle avec le pistolet e fermer les robinets.	Beim Abschluss des Umfüllvorgangs die elektrische Pumpe spätestens innerhalb von 2 Minuten abschalten und den Druck durch eine kurze Restabgabe durch die Betätigung der Pistole ablassen lassen und die Hähne schließen.
	Put the nozzle in its holder only after having verified the complete absence of drips.	Devolver el boqueterel en su posición inicial después de haber verificado la ausencia de goteo.	Ne raccrocher le pistolet qu'après avoir vérifié l'absence d'égouttements.	Bewahren Sie die Dosierpistole nach der Prüfung auf Tropfenbildung auf.
	During the transport the electric supply line must be disconnected.	Mantener la línea de transvase desconectada durante el transporte.	Pendant le transport, la ligne de l'alimentation doit être déconnectée.	Während des Transports muss das Stromversorgungskabel getrennt werden.
	STRICTLY FOLLOW THE INSTRUCTIONS MENTIONED IN THE €€ MANUAL	SEGUIR FIELMENTE LAS INSTRUCCIONES CONTENIDAS EN EL MANUAL €€	SUIVEZ ATTENTIVEMENT LES INSTRUCTIONS CONTENUES DANS LE MANUEL €€	FOLGEN SIE SORGFÄLTIG DEN ANWEISUNGEN IM EG-HANDBUCH

MAINTENANCE

CONTROLS

It is user responsibility to take charge of maintaining integrity and efficiency of the container and its devices and equipment, in particular:

- Periodically inspect the state of wear of the surfaces of the housing, with particular regard to those of the bottom, exposed to wear by friction with lifting systems.
- The perfect sealing of the tank, paying the utmost attention to possible loss or leakage of the fluid at the nozzle, faucet, suction pipes and discharge valves.
- the good condition of the inscriptions on the wrapping and, if damaged, replace them with new ones of the same type and in the exact same position.

CLEANING

The container and its emptying device should be kept clean both by external agents (dirt, dust, etc.), and any accidental spills of dangerous materials on the occasion of fills, flushes, loss.

For cleaning use non-corrosive products for metal parts and for electrical cables and plastics in general, preferring neutral or slightly alkaline de greasing products. Steam systems can be used (puli-vapour steamer), provided that the jet is not directed against parts of the electrical system or against the plates and/or adhesive plates applied on the body of the container and on the metal frame of the emptying device.

TAMPERING

In addition to the provisions in the following paragraph, for no reason you are allowed to change the container as regards the characteristics of the electric emptying device; in particular:



It is strictly forbidden to replace equipment with other components different from the original ones, without the manufacturer's warranty as regards pressure resistance

SPARE PARTS

Any modification or replacement of parts of the housing, as a result of damage, accident or tampering, is allowed only at ORION establishments or in centres authorised by it as the operation is configured as "reconditioning".

The use of non-original spare parts voids the manufacturer's warranty, if in course.

PERSONAL PROTECTION MEANS/EQUIPMENT

FACILITIES AND EQUIPMENT OF PERSONNEL ON BOARD

It is appropriate, in order to comply with current legislation and legislation on health and safety at work (Decree Law 81/08 Lgs. D. 106/2009), to have the following personal protective equipment (PPE):

- n° 1 pair of work gloves in accordance to EN 374
- n° 1 pair of slip resistant boots
- Eye protection glasses
- Eye wash water in case of contamination.

FACILITIES AND EQUIPMENT OF THE VEHICLE

Since the transport is not subject to ADR provisions, it is not specifically requested a special equipment for the vehicle, it is anyway advisable that the vehicle has a suitable drain cover, a sufficient quantity of inert material (e.g. sand) to contain and absorb any losses, a suitable tool for collecting (e.g. shovel or spade spark proof), a containment device.

RESIDUAL OBLIGATIONS/BANS/RECOMMENDATIONS

In any case the following obligations remain:

- Use of suitable containers.
- Make the transport safely avoiding product leakage.
- It is necessary to respect the max. degree of tank filling.
- Make sure that the packaging is not damaged, in particular with reference to closures and seals.
- The parcels should be kept clean from any residue of goods to their outside.
- Adequate stability must be guaranteed to the parcels against any possible impact or movement on the floor of the vehicle, ensuring the visibility of the danger labels.
- Maintain in good condition, and if necessary replace, the danger labels.
- After any spillage of dangerous goods on the loading platform, thoroughly clean it.
- You should have at least n° 1 ABC powder fire extinguisher min. 2 kg, suitable for extinguish the fire engine, easily accessible, sealed and subject to six-months supervision as per label.

ABSOLUTE PROHIBITIONS

In any case the following prohibitions remain:

- Tampering with packages transported
- Delivering packages in the presence of loss of content, or inadequately secured on the loading platform.

RESIDUAL RISKS

Residual risks and relevant regulations present when using the container and that cannot be eliminated are summarised below.

FIRE AND EXPLOSION HAZARD

- The positive-ignition engines of vehicles with gasoline, natural gas or LPG must be switched off during transfer operations.
- You may not use the transfer device within closed spaces, choosing outdoor open and airy areas at an adequate distance from buildings.
- The user must provide a powder fire extinguisher ABC min. 2 kg.
- It is prohibited to use the machine for pumping liquids other than AdBlue®/DEF/Urea.

RISK FROM CONTACT WITH SHARP SURFACES

- During normal operation of the machine, the risk can therefore be regarded as extremely reduced; to carry out maintenance work safely.
- it is instead necessary to have suitable protective gloves against mechanical risks.

RISK OF MATERIAL SPILLAGE

In order to prevent material spills, you shall:

- Use the equipment under the direct control of the operator.
- Periodically check the condition of the rubber tube and the presence of traces of dripping from the pump body.
- Unload the residual pressure in the delivery line after each use, before putting the gun to rest.
- Drain the gun adequately within the destination tank inlet, before putting it away in the containment cabinet at rest.

RISK FROM CONTACT WITH HIGH TEMPERATURE PARTS

- Please note that the maximum running time of the pump in by-pass conditions is 2 minutes, after that time there is risk of burns when touching the pump body.
- Operators (transfer operator and maintainer) should use protective gloves against heat.

RISKS FROM MANUAL HANDLING OF LOADS

- There remains the risk of physical workload during handling of the container, this risk must be assessed and quantified by the user depending on the specific use. We stress, anyway, that the container should only be operated by experienced operators, we recommend proper training.



The dismantled container represents a hazardous waste that must be disposed of:

- Emptying the residual product within appropriate containers.
- For the choice of the most suitable containers for waste disposal, contact the responsible for disposal.
- Confer the container, and any other containers to eligible Company regularly registered in the register of waste Companies, and possessing the required permissions for the disposal of hazardous waste

From the decommissioned container the following materials can be recovered and recycled:

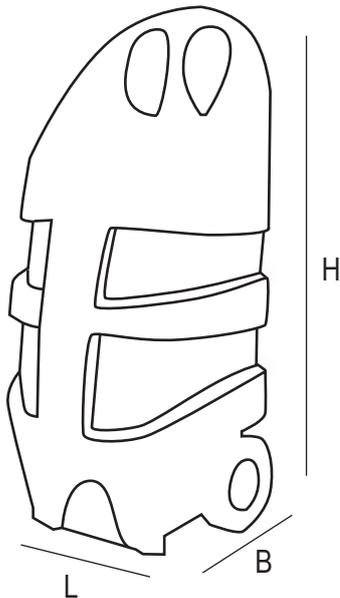
- **Plastic material.** The plastic parts, are normally recoverable by companies that specialise in the treatment and recovery of plastic materials.
- **Metal material.** The metal parts, painted or not, are normally recoverable by companies that specialise in the treatment and recovery of metals.
- **Electrical and electronic material.** All electrical and electronic equipment must be disposed of by companies specialising in the disposal of electrical and electronic equipment waste, in compliance with the requirements of Directive 2002/96/EC, which prohibits, for all equipment bearing the symbol on the product or on its packaging, disposal with unsorted municipal waste. The symbol depicted on the side, indicates that the product must not be disposed of together with ordinary household waste, but exclusively through the specific designated collection facilities appointed by the Administration (Government or local bodies).
- **Additional parts** (tubes, seals, plastic components, wiring, cables), to be disposed by companies that specialise in the disposal of hazardous waste.

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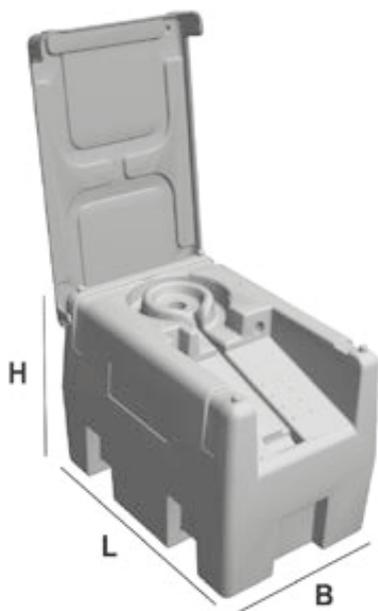
OVERALL DIMENSIONS

	kg	Actual geometrical capacity (l)	B mm	L mm	H mm
73210 - 73215	15	111	470	500	1100
53772	22	221	600	900	615
53774	50	446	800	1200	782

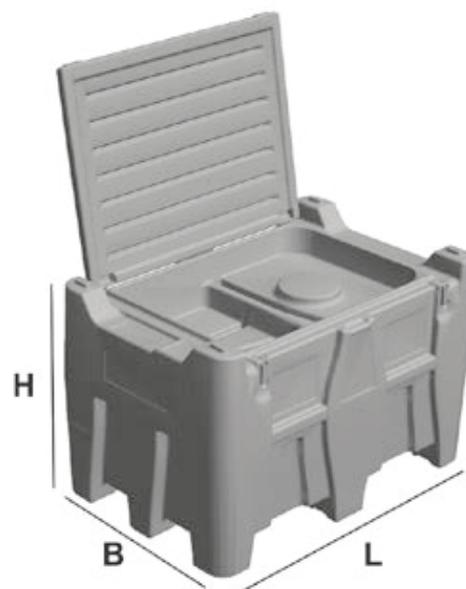
73210 - 73215



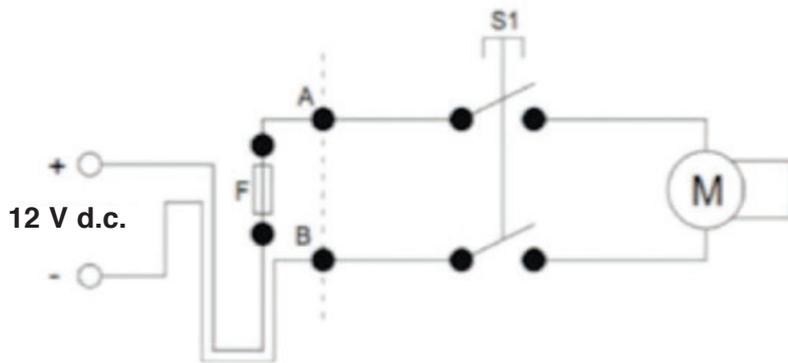
53772



53774



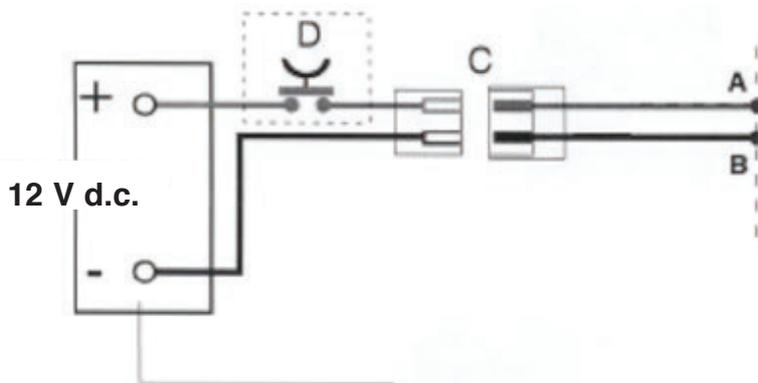
ELECTRICAL SYSTEM



M = Motor electric pump
 F = Online Fuse
 S1= Electric switch
 C = Pole connector

POWER SUPPLY	MOD. ELECTRIC PUMP (M)	FUSE (F)
12 V dc	55530	30 A

VEHICULAR CONNECTION OPTION



C = Pole connector
 D = Circuit-breaker
 vehicular battery

The system must be realised in a workmanlike by qualified personnel, in compliance with any additional requirements provided by the vehicle manufacturer. Always protect the power supply with a fuse even if already present inside the pump.

