OPERATING INSTRUCTIONS AND SAFETY NOTES

mobiSTEEL

steel tank
with accessories



PRESSOL

88 860 932 A405 GB

Pressol Schmiergeräte GmbH

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Pressol Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein | Germany
Tel. +49 9462 17-0
Fax +49 9462 17-208
info@pressol.com
www.pressol.com

Operating instructions translation

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We reserve the right to make design and product modifications, which serve to improve the product.

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1. Introduction

1.1. Preface

Please carefully read these operating instructions and observe in particular all safety notes!

Our staff will be pleased to provide support if you have any questions about the product.

Yours sincerely, Pressol Schmiergeräte GmbH

1.2. Obligations of the personnel

Before they start to work, all persons who are entrusted with work on the mobiSTEEL, are obliged:

- to follow all applicable regulations on occupational safety and accident prevention.
- to read and to comply with all safety instructions and warning notes contained in these operating instructions.
- the staff must always comply with relevant ADR regulations.



NOTE

- In case of direct danger to the general public, the personal has to call the emergency services immediately and has to provide all necessary information.
- The obligations of the personal are specified in the ADR provisions.

Please observe the following instructions in the interest of all concerned:

- Refrain from any unsafe working methods!
- Adhere to all hazard and warning notes contained in this manual!
- In addition to this documentation, keep to all generally accepted safety rules, legal provisions as well as all other binding rules regarding occupational safety, accident prevention and environmental protection!
- Wear appropriate protective clothing in accordance with the work to be done!
- Perform only work for which you have been sufficiently trained and instructed!
- Only genuine spare parts as well as original tools and auxiliaries of the manufacturer are allowed to be used in order to ensure the functional safety and maintain the warranty coverage.

1.3. Symbols in this manual

1.3.1. Structure of the safety notes

The safety notes have the following structure:



SIGNAL WORD

Type and source of the hazard
– Consquences of non-compliance with the notes
– Measures to avoid that risk

Depending on the danger level, different signal words are used:

Signal word	Danger level	Consequences of non-compliance
DANGER	Imminent threat of danger	Death or serious bodily injury
WARNING	Possible threat of danger	Death or serious bodily injury
CAUTION	Possibly dangerous situation	Minor bodily injury
ATTENTION	Possibly dangerous situation	Damage to material property

NOTE

Indicates further information or tips which facilitate work

1.3.2. Hazard symbols

Symbol	Meaning
	General hazard symbol. The warning note marked in this way contains supplementary information on the type of hazard.
	This symbol warns of dangerous electrical voltages
	This symbol warns of a hazardous explosive atmosphere
	This symbol warns against the risk of slipping and falling

1.3.3. General symbols

Symbol	Meaning
■	A small black square indicates the work you have to perform
–	The dash denotes lists
⇨	The arrow identifies cross-references. If cross-references to other chapters are required within the text, the expression is shortened for reasons of clarity. Example: ⇨ chapter 2 Safety notes This means: please refer to chapter 2 for the safety notes

2. Safety notes

Various dangers may occur if the mobiSTEEL is improperly handled during installation, commissioning and daily operation.



WARNING

Risk of injury and damage to material property because of improper handling

- Hold the instructions at the disposal of the operating staff at the usage site of the unit.
- Training of the personnel in the safe handling of the equipment in order prevent improper use.
- Country-specific safety measures and accident prevention regulations must be observed.

2.1. Authorized personnel

Only qualified and authorized persons are allowed to operate and to work on the mobiSTEEL.

Persons are qualified if they are, due to their training, experience, instruction and knowledge of the relevant standards, able to assess assigned tasks and to identify potentially hazardous situations.

All persons charged with installation, operation, maintenance and repair work, must have read and understood this operation manual.

2.2. Intended conditions of use

The mobiSTEEL is a mobile tank and has been exclusively designed for the delivery of and the refuelling with heating oil or diesel fuel.

The fuel tank fulfils the requirements of the European Agreement concerning the International Carriage of Dangerous Goods by Road, dated 01 January 2005 (ADR 2005).



DANGER

Risk of injury and material damage

- No other fluid types than diesel and heating oil are allowed to be stored in this product.

Only genuine replacement parts are to be used for any repairs, because otherwise the warranty will be invalidated.

The user is liable for any damage resulting from non-intended use.

2.3. Reasonably foreseeable misuse

Any departure from the usage stipulations (other media, use of force) or unauthorized modifications (changes, use of non-original parts) can be dangerous and are considered to be non-intended usage

Use in explosive environments is forbidden.

Use in the food industry is prohibited.



DANGER

Risk of injury and material damage from explosive vapors

- Never use the pump to deliver fatty substances or explosive fluids such as petrol or other fluids with similar flashpoints.



WARNING

Manipulation of the safety devices by the personnel

- Disabling or overriding safety devices is prohibited and may lead to serious injury and death.
- It is not allowed to modify the equipment.



WARNING

Improper use of the equipment by untrained personnel

- Before you are allowed to use the equipment, you must be trained in its safe handling.

2.4. Notes on maintenance, cleaning and repair



WARNING

Risk of injury and damage to material property because of improper maintenance and repair

- Should unusual noises occur, immediately stop the diesel pump (fig 8.-3/8.-4; pos. 17). Immediately identify and eliminate the cause in order to avoid consequential damages.
- For all work, the pump switch must be set to neutral postion.
- Inspection, maintenance and cleaning work must be carried out by qualified personnel only.
- Observe the safety sheet for diesel fuels and heating oils.

2.5. Risks when handling diesel fuels and heating oils

Diesel fuels and heating oil are combustible fluids, which must be taken into consideration for their storage. If improperly handled, they can cause risks to human health or to the environment.

Do not allow to enter sewage or ground water. Local and country rules and regulations relating to domestic water supplies and fuel storage must be obeyed.



DANGER

Use of diesel

- Vapours and mist may form explosive mixtures with air.
- May be fatal if swallowed and enters airways.
- Do not smoke, do not use open fire and do not weld when handling fuel.
- Vapours are heavier than air and may spread along floors.
- Keep the containers closed in a cool, dry and well-ventilated place.
- Special caution in case of emptied containers: risk of fire and explosion.

Use of heating oil

- Heating oil may cause lung damage if swallowed.



NOTE

- Observe the safety sheet for diesel fuels and heating oils!

3. Area of application

The mobiSTEEL is a mobile tank and is suited for the transport of and for refuelling with heating oil and diesel fuels. The mobiSTEEL can also be used as a stationary tank for storing and dispensing diesel.

In this case, it is the owner's responsibility that national directives relating to installation and use of this product are complied with.
The local fire and environmental protection measures must be observed.



ATTENTION

Escape of the fluid to be pumped

- After initial start-up, check the pump and the connections for tightness.

4. Transport and storage

The fuel tank is to be carried on suitable vehicles which are appropriately marked as per ADR regulations.

The loading area must be smooth and without sharp edges.



WARNING

- The device may be transported only with the power supply shut off and with closed valves and necks, rolled up hoses and lines and locked cover.
- The filled tank is only allowed to be loaded and unloaded by means of a stacker or a crane, whereby the load carriers must be correctly fixed.
- The equipment features fixing devices for shackles and hooks as well as attachment points etc. at appropriate positions. When choosing the attachment points, the centre of gravity and the components must be taken into consideration.
- Lifting and transport work may be performed only by instructed specialist personnel. Only use approved lifting tackle to lift the individual components.

- In transport vehicles carrying dangerous goods, no passengers other than the vehicle's crew may be carried.
- The vehicle's crew must be familiar with the fire extinguishing procedures.
- During transport, the tank must be fixed and secured. For transport on trucks, the load must be secured by tension belts and bars. The transport by means of a lift truck may only be carried out by trained personnel with a valid truck lift licence.
- Secure all individual components on the transport pallets. Load the individual components only on a stable ground. Use transport vehicles suitable for internal transportation. Any other transport must be carried out by a specialist company.
- During storage and transportation, the tank must not be damaged.
- It is forbidden to push or to roll the tank.
- It is forbidden to get onto the vehicle with illumination equipment which has an open flame. In addition, the illumination equipment used may have no metal surfaces which could cause sparks. When loading the tank with fuel, smoking is forbidden in vehicles and in their vicinity.
- During loading and unloading, the engine must be turned off, unless a running engine is required for the operation of the pumps or of other loading and unloading devices or unless a running motor is allowed by the national rules of the country in which the vehicle is located.
- Before leaving the transport vehicle, the driver must secure it by applying the parking brake.
- A transport vehicle carrying dangerous goods may have no more than one trailer.



CAUTION

Contact with sharp and rough edges and protruding parts

- Wear suitable protective equipment such as safety gloves when transporting the mobiSTEEL tanks or moving them to their storage location.

5. Equipment of transport vehicles

Every transport vehicle which is also required to fulfil requirements arising from other regulations must have the following equipment:

- Fastening belts for fixing and securing the mobile tank during transport.
- At least one portable 2 kg fire extinguisher with a seal, stamp of conformity as per the officially recognised standards, and date of expiration (month and year).
- At least one wheel chock per vehicle; its size must be appropriate to the vehicle weight and the wheel diameter.
- Two self-supporting warning indicators (e.g. reflective warning cones or triangles, or orange flashing warning lights with their own power supply).
- A suitable high visibility waistcoat or clothing (e.g. as per EN 471) for each employee on the transport vehicle.
- Hand lamp.



ATTENTION

Escape of fluid

- The mobiSTEEL tank must not be damaged during transport or storage. The tank's equipment is to be maintained in a usable condition at all times!

6. Training of the driver

- The driver of the transport vehicle must be trained in the handling of dangerous goods as per the applicable directives.
- No additional training is necessary for drivers of vehicles transporting diesel, heating oil, or biodiesel.

7. Required transport documentation

In addition to documents required under other regulations, the following documents must be present in the transport vehicle:

- Delivery note
- Written operating instructions for the fuel tank



NOTE

- Written operating instructions must be kept in the driver's cab and must be easily accessible.
- The shipping company must ensure that the driver understands the operating instructions and can follow them correctly.
- Transport vehicles which deliver dangerous goods are to be correspondingly marked and fitted with warning stickers as per ADR regulations.

8. Technical data

Tank volume (l) **Pump**	**1000 l** **230 V** **60 l/min**	**1000 l** **12 V DC** **35 l/min**	**1000 l** **12 V DC** **54 l/min**	**1000 l** **24 V DC** **35 l/min**	**1000 l** **24 V DC** **54 l/min**	**1000 l** **Solar** **10 W**	**1000 l** **Solar** **30 W**
Usable volume (l)	910						
Material of container	steel sheet						
Material of end caps	steel sheet						
Wall thickness (mm)	3						
Colour of container	grey, RAL 7042						
Colour of cover	grey, RAL 7042						
Dimensions LxWxH (mm)	1500 x 1180 x 1270						
Mounting points	universal fixation loops for integral shackles						
Empty weight without accessories (kg)	563						
UN approval	un 31A/Z/....*/PL/SPW-MAL/2364/1313						
UN certificate	UN/16/1476/11						
In-line meter-digital ☞							
Display	5 digits display						
Pump							
Brand	FMT Swiss AG						
Pump design	vane pump, selfpriming						
Delivery rate under free discharge (l/min)	60	35	54	35	54	54	54
Discharge pressure up to (bar)	1,8	1,6	1,8	1,6	1,8	1,8	1,8
Pumping media	fuel oil and diesel						
Temperature range (°C)	-10 / +60						
Connecting cable, length (m)	2	3	3	3	3	1,4	1,4
Motor data							
Voltage (V)	230 V	12 DC	12 DC	24 DC	24 DC	12 DC	12 DC
Power consumption (A) ☞ ☞	3	19	30	11	21	30	30
Thermal protection	self resetting						
Fuse (A) ☞ ☞	–	25 plug-in fuse	40 plug-in fuse	25 plug-in fuse	25 plug-in fuse	40 plug-in fuse	40 plug-in fuse
Duty cycle (min) under free discharge max.	contiuous operation	180	180	180	180	180	180
Safety class	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
Run time (min) when dispensing valve is closed max.	3	3	3	3	3	3	3

Table 8.-1: Technical data mobiSTEEL 1000 l with accessories

☞ With or without built-in digital gear meter **depending** on the model

☞ ☞ Value variable **depending** on the built-in pump

Tank volume (l) **Pump**	**2000 l** **230 V** **60 l/min**	**2000 l** **12 V DC** **35 l/min**	**2000 l** **12 V DC** **54 l/min**	**2000 l** **24 V DC** **35 l/min**	**2000 l** **24 V DC** **54 l/min**	**2000 l** **Solar** **10 W**	**2000 l** **Solar** **30 W**
Usable volume (l)	1820						
Material of container	steel sheet						
Material of end caps	steel sheet						
Wall thickness (mm)	3						
Colour of container	grey, RAL 7042						
Colour of cover	grey, RAL 7042						
Dimensions LxWxH (mm)	2580 x 1180 x 1270						
Mounting points	universal fixation loops for integral shackles						
Empty weight without accessories (kg)	836						
UN approval	un 31A/Z/....*/PL/SPW-MAL/4565/2536						
UN certificate	UN/UN/16/1501/11/1476/11						
In-line meter-digital ☞							
Display	5 digits display						
Pump							
Brand	FMT Swiss AG						
Pump design	vane pump, selfpriming						
Delivery rate under free discharge (l/min)	60	35	54	35	54	54	54
Discharge pressure up to (bar)	1,8	1,6	1,8	1,6	1,8	1,8	1,8
Pumping media	fuel oil and diesel						
Temperature range (°C)	-10 / +60						
Connecting cable, length (m)	2	3	3	3	3	1,4	1,4
Motor data							
Voltage (V)	230 V	12 DC	12 DC	24 DC	24 DC	12 DC	12 DC
Power consumption (A) ☞ ☞	3	19	30	11	21	30	30
Thermal protection	self resetting						
Fuse (A) ☞ ☞	–	25 plug-in fuse	40 plug-in fuse	25 plug-in fuse	25 plug-in fuse	40 plug-in fuse	40 plug-in fuse
Duty cycle (min) under free discharge max.	contiuous operation	180	180	180	180	180	180
Safety class	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66	IP 66
Run time (min) when dispensing valve is closed max.	3	3	3	3	3	3	3

Table 8.-2: Technical data mobiSTEEL 2000 l with accessories

☞ With or without built-in digital gear meter **depending** on the model

☞ ☞ Value variable **depending** on the built-in pump

Tank volume (l) **Pump**	**3000 l** **230 V** **60 l/min**	**3000 l** **12 V DC** **35 l/min**	**3000 l** **12 V DC** **54 l/min**	**3000 l** **24 V DC** **35 l/min**	**3000 l** **24 V DC** **54 l/min**
Usable volume (l)			2820		
Material of container			steel sheet		
Material of end caps			steel sheet		
Wall thickness (mm)			3		
Colour of container			grey, RAL 7042		
Colour of cover			grey, RAL 7042		
Dimensions LxWxH (mm)			2460 x 1630 x 1350		
Mounting points			universal fixation loops for integral shackles		
Empty weight without accessories (kg)			1160		
UN approval			un 31A/Z/....*/PL/SPW-MAL/6588/3660		
UN certificate			UN/16/1591/13		
In-line meter-digital ☞					
Display			5 digits display		
Pump					
Brand			FMT Swiss AG		
Pump design			vane pump, selfpriming		
Delivery rate under free discharge (l/min)	60	35	54	35	54
Discharge pressure up to (bar)	1,8	1,6	1,8	1,6	1,8
Pumping media			fuel oil and diesel		
Temperature range (°C)			-10 / +60		
Connecting cable, length (m)	2	3	3	3	3
Motor data					
Voltage (V)	230 V	12 DC	12 DC	24 DC	24 DC
Power consumption (A) ☞ ☞	3	19	30	11	21
Thermal protection			self resetting		
Fuse (A) ☞ ☞	–	25 plug-in fuse	40 plug-in fuse	25 plug-in fuse	25 plug-in fuse
Duty cycle (min) under free discharge max.	contiuous operation	180	180	180	180
Safety class	IP 66	IP 66	IP 66	IP 66	IP 66
Run time (min) when dispensing valve is closed max.	3	3	3	3	3

Table 8.-3: Technical data mobiSTEEL 3000 l with accessories

☞ With or without built-in digital gear meter **depending** on the model

☞ ☞ Value variable **depending** on the built-in pump

8.1. Equipment

The mobiSTEEL is equipped with following components:

– Tank truck-connector

– Level indicator

– Overfill sensor

– Ventilation valve

– Double wall steel tank

– 1 piece suction set G 1“ for pump with vane, suction hose, non return valve and drainer

– 1 piece suction set G ¾“ for plant with suction tube, non return valve and drainer

– 1 piece gazole return set G ½“ from plant

– Movable under load

– Universal securing trap for shackle

– Lockable cap

- Optional equipment:

- Connection kit, l = 0,77 m for 1000 l/2000 l mobiSTEEL

- Connection kit, l = 087 m for für 3000 l mobiSTEEL

- 10 m hoses with couplings

Suitable for:

- Heating oil and diesel fuels

Special notes:

- Can be moved by a forklift

- 2 full tanks can be stacked on each other

- 1 suction and return line, can be led to the outside when the hood is closed, expandable up to 3 pieces each

- European ADR Certificate for transportation of dangerous liquids on public roads

- Designation as per ADR regulations:

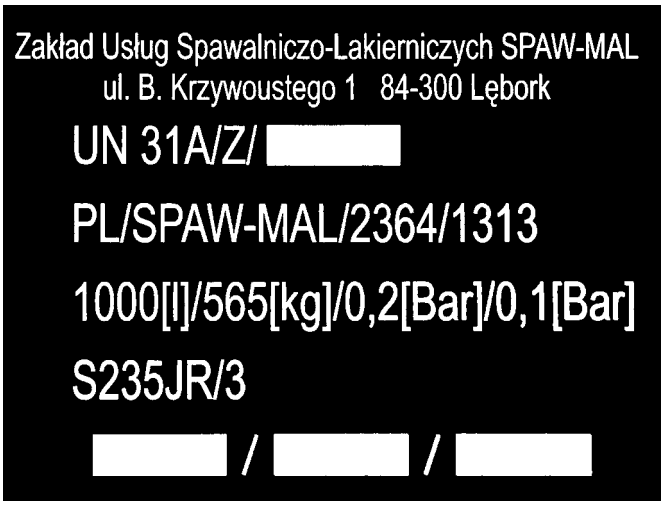
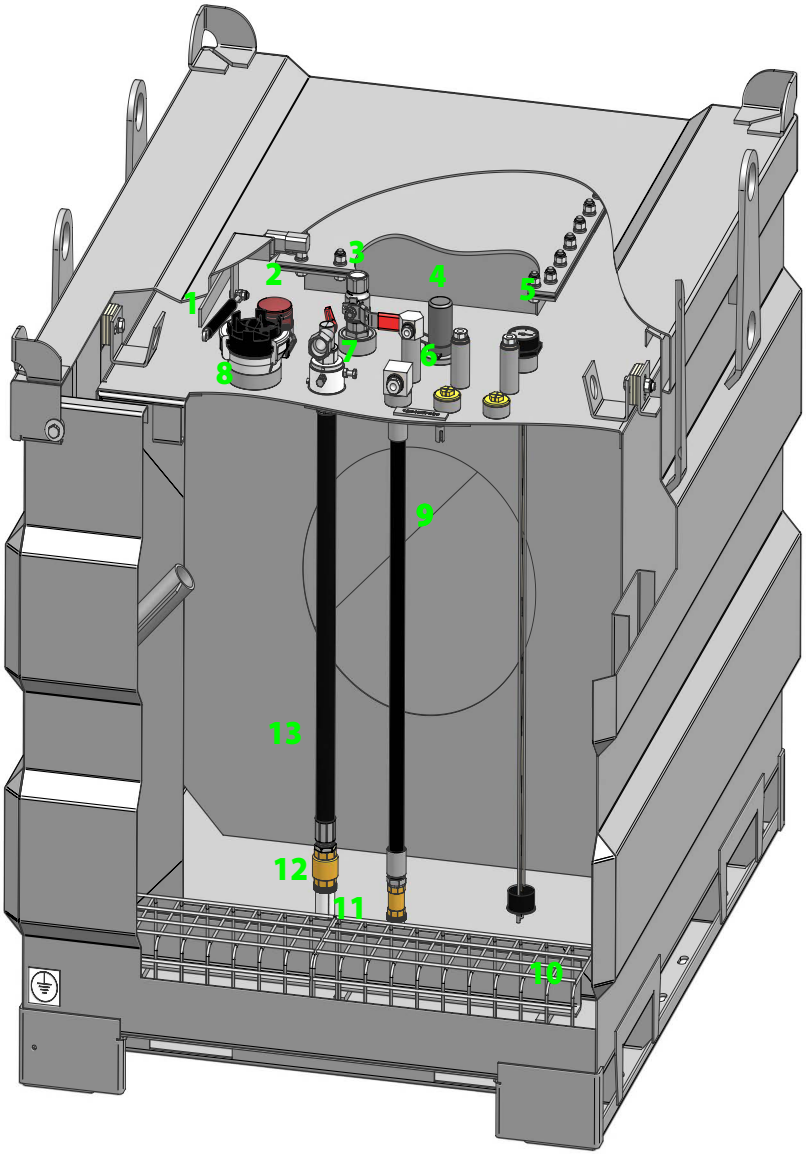


Fig. 8.-1: Approval

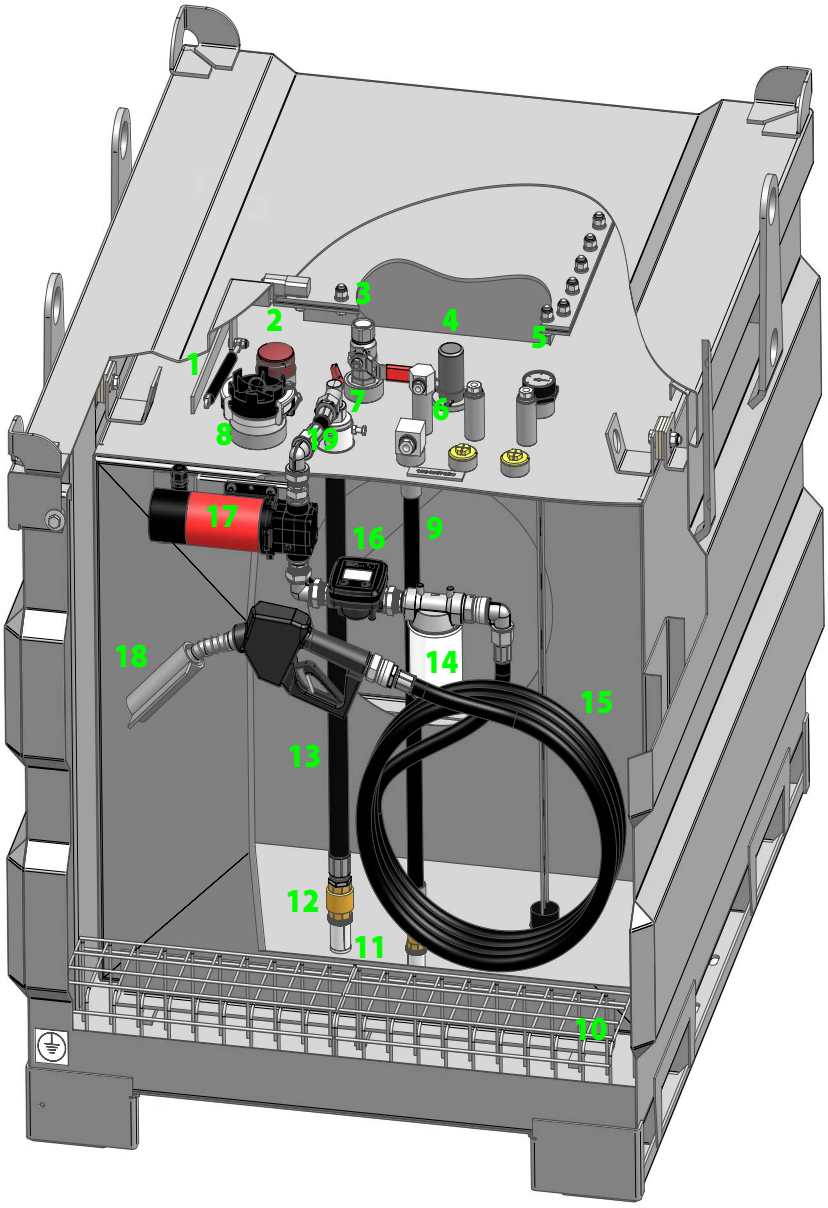
Tank equipment



1	Gas spring
2	Airing and venting valve
3	Lever ball valve
4	Overfill sensor
5	Level indicator
6	Return connection
7	Angled tap
8	Tank truck-connector
9	Suction set with non-return valve
10	Grille for hose support
11	Suction filter
12	Non-return valve
13	Diesel suction hose

Fig. 8.-2: mobiSTEEL 1000 l-double walled-without accessories

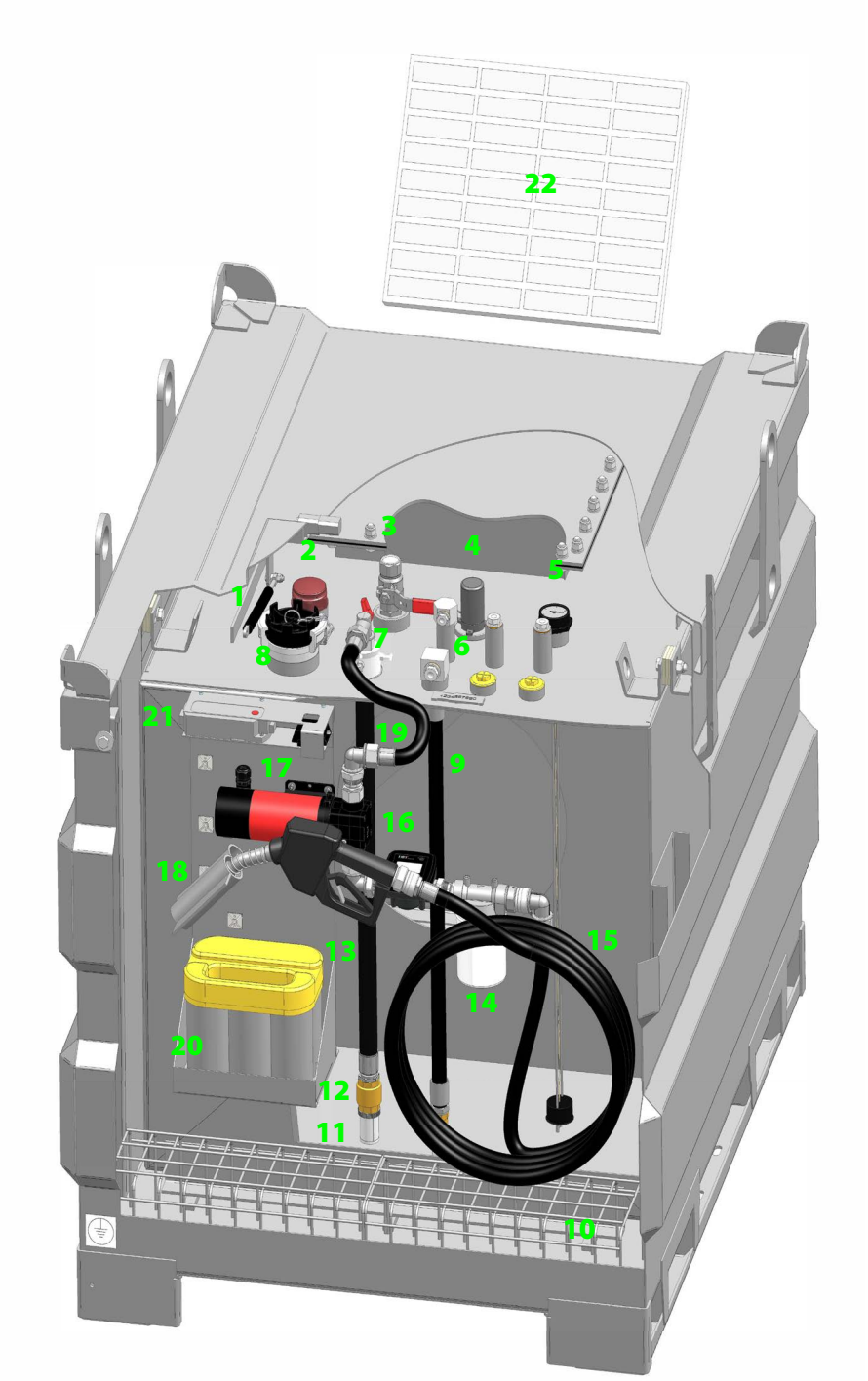
Tank equipment



1	Gas spring
2	Airing and venting valve
3	Lever ball valve
4	Overfill sensor
5	Level indicator
6	Return connection
7	Angled tap
8	Tank truck coupling
9	Suction set-with non-return valve
10	Grille for hose support
11	Suction filter
12	Non-return valve
13	Diesel suction hose
14	Diesel-exchange filter
15	Hose for diesel
16	Oval gear meter-digital
17	Diesel pump
18	Automatic nozzle valve with swivel joint
19	Connecting hose

Fig. 8.-3: mobiSTEEL 1000 l-double walled-with steel tank accesories 12 V-60l-F; equipment depends on the model

Tank equipment



1	Gas spring
2	Airing and venting valve
3	Lever ball valve
4	Overfill sensor
5	Level indicator
6	Return connection
7	Angled tap
8	Tank truck coupling
9	Suction set-with non-return valve
10	Grille for hose support
11	Suction filter
12	Non-return valve
13	Diesel suction hose
14	Diesel-exchange filter
15	Hose for diesel
16	Oval gear meter-digital
17	Diesel pump
18	Automatic nozzle valve with swivel joint
19	Connecting hose
20	Battery
21	Automatic charger
22	Solar module

Fig. 8.-4: mobiSTEEL 1000 l-double walled- steel- with solar pump set 30 W-F; equipment depends on the model

9. Operation

The mobile fuel tank was designed and constructed in such a way that it is as robust, safe, and low maintenance as possible.

All mobiSTEEL tanks are completely checked for proper function and tightness prior to shipment.

After delivery, it should be confirmed that the tank's equipment is complete, and that there is no transport damage.



DANGER

Starting the machine when it is not yet completely installed

- Assembly work may be performed only by specially instructed or authorized skilled personnel.
- The installation must be always performed with the equipment deenergized. Secure the power supply against being switched on again.



DANGER

Contact with energized components

- For all work, the pump switch must be set to neutral postion.
- Only trained and instructed specialist personnel may carry out assembly work.



WARNING

Risk of injury due to tipping over or moving of the non-fixed equipment

- Before installing the product, check the floor's load capacity.
- The equipment should be installed on a level surface in horizontal position.

After the pump set (if not already present) has been installed, and after filling with diesel fuel or heating oil, the tank is ready for operation.

Because of the type of liquid stored, and the possible environmental damage resulting from it, the following instructions are to be observed:

- The tank is only allowed to be filled through the tank truck coupling (⇨ fig. 8.-4; pos. 8). It is forbidden to overfill the tank!
- To prevent contamination and damage to the pump system, no contaminated fuel may be stored in the tank!
- The pump's operating instructions are to be read before commissioning and use, and they are to be complied with (⇨ chapter 10; installed components).
- Filling and discharging may take place only under the supervision of an authorised employee.
- No damage to the fuel tank may occur during transport or storage. The tank's equipment is to be maintained in a usable condition at all times.
- The filter on the suction hose (⇨ fig. 8.-4; pos. 11) should also be cleaned if necessary when the supply rate is too low.
- The system is to be protected from interference by unauthorised persons.
- Park the vehicle as close as possible to the tank in order to avoid unnecessary stress to the hose (⇨ fig. 8.-4; pos. 15).
- Take the nozzle (⇨ fig. 8.-4; pos. 18) out of the holder and insert it into the vehicle's filler neck. Press the trigger only when the pump (⇨ fig. 8.-4; pos. 17) is running.
- Operate the button located on the right side of the diesel pump (⇨ fig. 8.-4; pos. 17) to switch on the pump's power supply.
- Press the trigger for filling.



WARNING

Danger caused by noise and by coming in contact with the equipment

- Wear suitable ear protection to avoid injuries.
- While working with the mobilSTEEL please wear suitable safety equipments like leather gloves.



WARNING

Danger caused by hose whip due to hose failure.

- Regularly check all hoses.
- If there are any leaks, the equipment must be stopped immediately.
- Use only identical replacement parts.
- Maintenance must be done by qualified technical personnel.
- When replacing lines, the sealing surfaces must be thoroughly cleaned. It is essential to avoid harmful impurities such as scale, burrs or chips.



WARNING

Risk of slipping and falling due to leakage

- If excessive leakage occurs, the pump must be stopped immediately and the reason for the leakage must be removed.

- The nozzle automatically stops when the vehicle's tank is completely filled.
- Operate the button to switch off the pump's power supply.
- Let the nozzle drip off into the vehicle's tank before you fix the nozzle in the holder again.
- Never leave the nozzle switched on when it is not used.
- Close the cover of the mobiSTEEL tank, in order to prevent the penetration of rain water.
- Any modifications of the device's design, equipment and intended use is forbidden without prior consultation with the manufacturer.



CAUTION

Contact with live parts in the event of a fault during various work activities

- Only operate the equipment with fault-free electrical system.



ATTENTION

Damage to the product

- This product is only allowed to be operated with sufficient liquid in the tank. Otherwise, irreparable damage of the refuelling system and its premature failure may occur!
- If the tank or a component of its equipment is damaged, the device must be put out of operation until the fault has been rectified.
- If a leakage of the tank has been detected, the fluid must be pumped into another container.
- The supplier of the device must be informed.

10. Installed components

The operating instruction manual for the integrated diesel pump is added separately.

For variants with a meter, you will additionally receive the manual for the meter.

11. Guarantee

The manufacturer provides a guarantee of 5 years on the tank and of 2 years on the installed components from the date of purchase.

If a problem should occur despite all quality measures taken, please get in touch with our service contact partners:

PRESSOL Schmiergeräte GmbH

Tel +49 9462 17-246

Fax +49 9462 1063

service@pressol.com

If it should be the case that the defect arose during the guarantee period because of incorrect handling or installation of the product, or that the defect arose outside the guarantee period, then the service costs will be charged to the owner.

Standard maintenance of systems, e.g. filter cleaning, battery replacement, calibration of the flow meter, is excluded from the guarantee.

The guarantee is annulled through:

– Damage resulting from incorrect installation and handling of the system

– Maintenance which was neglected, mechanical damage, or vandalism

– Defects which arise from repairs or constructional modifications carried out by an unauthorised service provider

– Change of the purpose of the product

Pressol Schmiergeräte GmbH is not liable for damage arising from incorrect use nor contraventions to the operating instructions or regulations.

12. Maintenance

Regular maintenance helps to reduce the risk of product failure and premature component failure.

- Visually inspect the tank on a regular basis.
- In order to prevent the risk of leakages and spills, check to ensure that the suction and refuelling hoses are firmly fastened.
- Check the state of the power supply cables.



DANGER

Lethal electric shock due to contact with electrical live parts when the pump switch is in position I

- Troubleshooting work requiring an electric power supply must be performed with increased attention!
- For all work, at least two persons must be present.
- It is absolutely essential to avoid contact with moving or electrical live parts.



DANGER

Direct contact with energized components during various work activities

- For all work, the pump switch must be set to neutral postion.
- It is forbidden to use the tank system with defective or manipulated electrical components.



WARNING

Leakage and liquids splashing out

- Regularly check all hoses. If there are any leaks, the equipment must be stopped immediately.
- When replacing lines, the sealing surfaces must be thoroughly cleaned. It is essential to avoid harmful impurities such as scale, burrs or chips. Use only identical replacement parts.
- If a leakage of the tank has been detected, the fluid must be pumped into another container.
- Maintenance must be done by qualified technical personnel.



WARNING

Intervention in the danger zone and entry of moisture

- For all work, the pump switch must be set to neutral postion.
- Only trained and instructed specialist personnel is allowed to perform cleaning work.

13. Tests

The owner is responsible for requesting the relevant authority to carry out periodical tests on the fuel tank.

- The tests are required to the scope and at the time periods below:

Test	Interval in years
Leak testing (test pressure 0.2 bar)	2 ½
External examination	2 ½
Internal examination	5
Type of construction and designation	5



NOTE

- The dates of the most recent tests of leakage and condition are to be applied to the fuel tank permanently.
- The month and the year, e.g. „04/19" are to be stamped in the appropriate row on the maker's plate.
- In addition, a test report is to be written. The owner must retain the reports for the entire working life of the fuel tank.
- The reports are to be provided with the tank if it is sold.
- In the case of a negative test result, the tank is to be repaired by an authorised manufacturer.

The following minimum information must exist for each fuel tank:

– Manufacturer's designation
– Name of the current owner
– Serial number of the container
– Result of the first acceptance testing and of any leak testing (⇨ chapter 16; **table 1**)
– Reports on tests carried out every 2 ½ and 5 years (⇨ chapter 16; **table 2**)
– Damage and repair report (⇨ chapter 17; **table 3**)

14. Repair/Service

mobiSTEEL was developed and produced according to the highest quality standards.

Should a problem develop, despite all quality controls, please contact our customer service:

PRESSOL Schmiergeräte GmbH
Tel +49 9462 17-246
Fax +49 9462 1063

service@pressol.com

15. Disposal

The operating company is responsible for the proper disposal of the mobiSTEEL.



DANGER

Movement of machine parts while personnel is in the danger zone

- Dismantling work may only be executed by especially trained specialists.
- The access to the danger zone is prohibited for unauthorized persons!
- Dismantling must be always performed with the equipment deenergized. Secure the power supply against being switched on again.

Hereby, the industry-specific and local regulations must be observed when disposing the different materials.

Only qualified personnel is authorized to disassemble and dispose of the mobiSTEEL.

16. Control and operating reports

Dates	Approval holder	Manufacturer	Owner	Owner
Company / First name and surname	PRESSOL Tschechien s.r.o.	Zaklad Usług Spawalniczo-Lackierniczych SPAW-MAL s.c.		
Address post code, city/ country	326 00 Plzeň Czech Republic	84-300 Lębork Polska		
Street and house number	Nepomucká 1729/3	ul. B. Kryzwoustego 1		
Contact person				
Phone number				

Table 1: Control report for tank (manufacturer)

Code:  **31H2/Z/**

Serial number: .....

Name of tester	Date, signature	Leakage test/ examination	External test/ examination	Internal test/ examination	Equipment	Type, designation

Table 2: Acceptance test and periodical testing every 2,5 or 5 years (owner)

0 = complies; X = does not comply

17. Damage and repair report

Date, signature	Errors and actions taken

Table 3: Damage and repair report

18. Exploded view mobiSTEEL

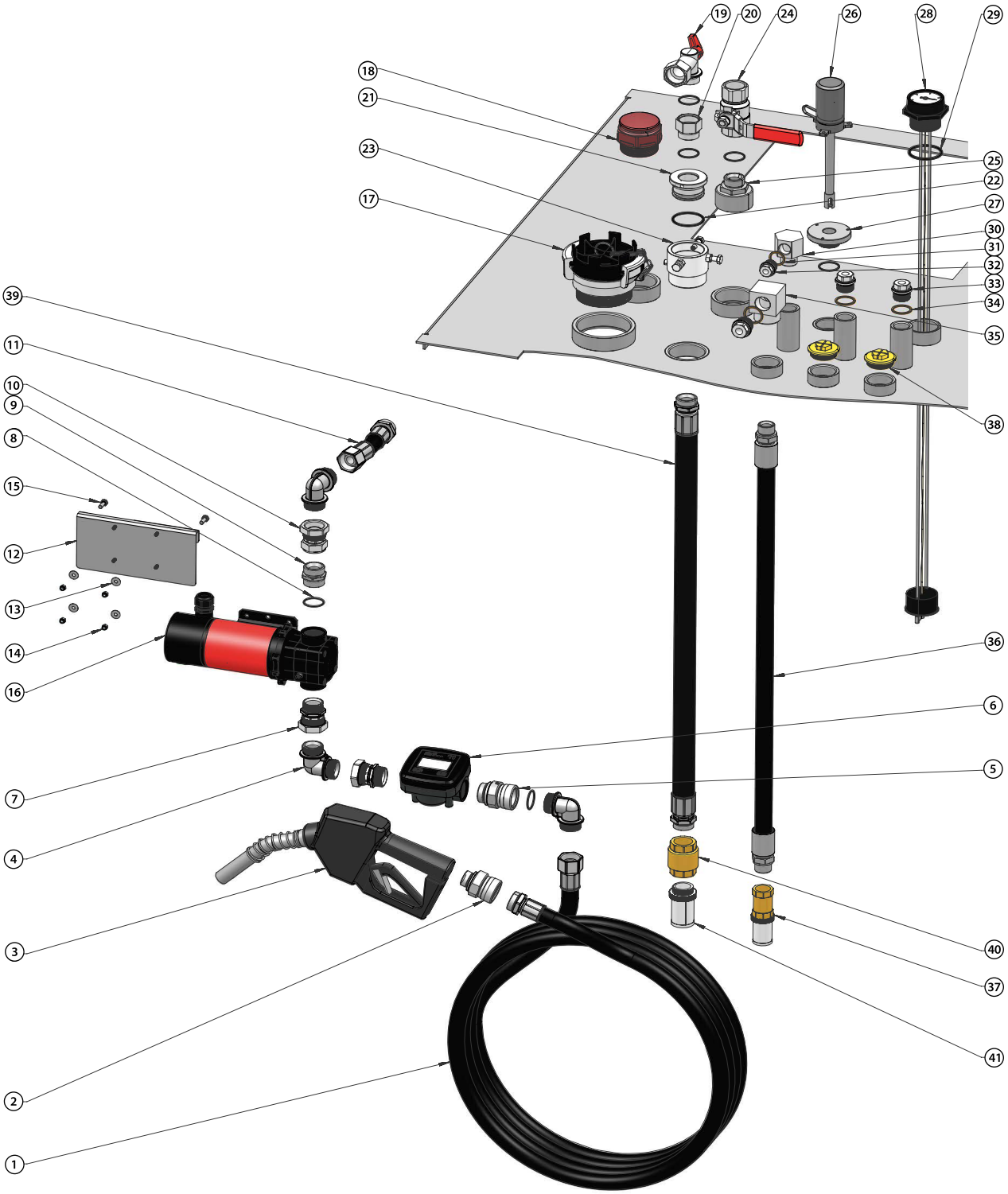


Fig. 18.-1: Exploded view mobiSTEEL

Item	Quantity	Designation	Item number
1	1	Discharge hose for diesel	23 155 958
2	1	Swivel joint	19 621
3	1	Automatic nozzle valve	23 176 777
4	3	Adapter 90° - DN 19	85 370 777
5	1	Swivel joint	19 625
6	1	NUMERIxx - oval gear meter	23 190 091 *
7	2	Positioning fitting	23 218
8	6	O-ring -NBR 70	89 111
9	1	Adapter	85 374
10	1	Positioning fitting	23 225
11	1	Connecting hose	89 199
12	1	Console	82 912
13	4	Flat washer	02 853
14	4	Locking nut	01 085
15	2	Hex head screw	89 481
16	1	Pump 12 V -DC 35 l	23 404 091 *
17	1	Tank truck-connector	80 514
18	1	Ventilation and breathing valve	45 140
19	1	Angle with lever ball valve	19 779
20	1	Threaded nipple	83 834
21	1	Thread adapter	82 911
22	1	O-ring - NBR 70	88 138
23	1	Barrel adapter	82 984
24	1	Lever ball valve G1	19 767
25	1	Adapter	23 216
26	1	Overfill sensor	83 723
27	1	Adapter for overfill sensor	04 528
28	1	Level indicator 1000 l/2000 l	83 465 100
	1	Level indicator 3000 l	85 142 100
29	1	O-ring - NBR 70	83 131
30	1	Adapter	82 914
31	1	Copper gasket	66 452
32	1	Stopper	83 720
33	3	Stopper	83 718
34	3	Copper gasket	66 530
35	1	Adapter	82 915
36	1	Hose assembly	84 460
37	1	Foot valve with filter	84 546
38	2	Screw plug with O-ring	89 013
39	1	Suction hose for diesel-0,76 m 0,76 m 1000 l/2000 l	84 733
	1	Suction hose for diesel-0,76 m 0,83 m 3000 l	84 949
40	1	Non-return valve	19 892
41	1	Suction filter	23 180

* depending on the model

Tab.. 18.-1: Overview of components for fig. 18.-1

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Łukasiewicz Research Network - Łódź Institute of Technology

Dział Certyfikacji Wyrobów Papierowych i Opakowań COBRO
COBRO - Paper Products and Packaging Certification Department

Łukasiewicz ŁIT

COBRO

CERTIFICATE

No. UN/16/1987/25

for carriage of dangerous goods

PCA Polskie Centrum Akredytacji – Certyfikacja Wyrobów AC 016

Łukasiewicz – Łódź Institute of Technology
COBRO – Paper Products and Packaging Certification Department
authorize to mark a packaging as follows

u n **31A/Z/....*/PL/SPAW-MAL-ŁIT-COBRO 1987/2362/1312**

Additional marking according to point 6.5.2.2 of ADR

Name of packaging: **intermediate bulk container (IBC) 31A, type ZOND-1000, from steel sheet S235 JR+N, thickness – 2,5 mm, for transport of liquid dangerous goods (UN 1202), netto mass to 750 kg**
Identification document: **Technical Documentation of the Manufacturer**

- Certificate holder: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- Packaging manufacturer: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- The packaging complies with the requirements provided in: **ADR -2025**
- Certification scheme: **COBRO-UNT (according to PN-EN ISO/IEC 17067:2014-01)**
- Tests performed in: **Transport Packaging Testing Laboratory of COBRO**
- Test report No: **147/DOT/2019**
- Rights and obligations of the Certificate Holder have been laid in the Agreement No **DC/6-UN/11** of **2011.07.20**
- Certificate validity period: from **2025.07.01** to **2028.06.30**

* - month and year of production /two last digits/

Method of packing and transport possibilities of specific goods in the packaging covered by this Certificate should be checked each time against above-mentioned regulations (according to the UN identification number); all requirements of the corresponding packing instruction should be followed. The certificate holder should provide the customer with all the information necessary for the correct use of the packaging

The certificate covers only items with identical properties (parameters) as the model(s) submitted for tests and compliant with the requirements laid down herein above.

The text in Polish language is binding. Should there exist any difference between the Polish and the English version, the Polish one shall be valid.

COBRO Paper Products and Packaging Certification Department
MANAGER
Ewa Kopania

Łukasiewicz Research Network
Łódź Institute of Technology
DIRECTOR
Zyg. Beata Kwiecowice

Warszawa, 2025.06.13

02-942 Warszawa, ul. Konstancińska 11

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Łukasiewicz Research Network - Łódź Institute of Technology

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CERTIFICATE

No. UN/16/1501/24

for carriage of dangerous goods

PCA Polskie Centrum Akredytacji – Certyfikacja Wyrobów – AC 016

Łukasiewicz – Łódź Institute of Technology
COBRO – Paper Products and Packaging Certification Department
authorize to mark a packaging as follows

un **31A/Z/....*/PL/SPAW-MAL/4565/2536**

Additional marking according to point 6.5.2.2 of ADR

Name of packaging: **intermediate bulk container (IBC) 31A, type ZON 2000, from steel sheet S235 JR, thickness - 3 mm, for transport of liquid dangerous goods (UN 1202), netto mass to 1700 kg**
Identification document: **Technical Documentation of the Manufacturer**

- Certificate holder: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- Packaging manufacturer: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- The packaging complies with the requirements provided in: **ADR-2023**
- Certification scheme: **COBRO-UNT (PN-EN ISO/IEC 17067:2014-01)**
- Tests performed in: **Transport Packaging Testing Laboratory of COBRO**
- Test report No: **171/DOT/2011 + COBRO 02/11a**
- Rights and obligations of the Certificate Holder have been laid in the Agreement No **DC/6-UN/11** of **2011.07.20**
- Certificate validity period: from **2024.01.01** to **2026.12.31**

* - month and year /two last digits/ of production

Method of packing and transport possibilities of specific goods in the packaging covered by this Certificate should be checked each time against above-mentioned regulations (according to the UN identification number); all requirements of the corresponding packing instruction should be followed. The certificate holder should provide the customer with all the information necessary for the correct use of the packaging.

The certificate covers only items with identical properties (parameters) as the model(s) submitted for tests and compliant with the requirements laid down herein above.

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COBRO Paper Products and Packaging Certification Department
MANAGER
dr inż. Ewa Kopania

Sieć Badawcza Łukasiewicz – Łódzki Instytut Technologiczny

Łukasiewicz Research Network
Łódź Institute of Technology
DIRECTOR
z up. Beata Ośka
dr Radosław Dziuba

Warszawa, 2023.12.01

02-942 Warszawa, ul. Konstancińska 11

Sieć Badawcza Łukasiewicz – Łódzki Instytut Technologiczny
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No. UN/16/1591/25

for carriage of dangerous goods

PCA Polskie Centrum Akredytacji – Certyfikacja Wyrobów

AC 016

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COBRO – Paper Products and Packaging Certification Department
authorize to mark a packaging as follows

un

31A/Z/....*/PL/SPAW-MAL-ŁIT-COBRO 1591/6588/3660

Additional marking according to point 6.5.2.2 of ADR

Name of packaging: **intermediate bulk container (IBC) 31A, type ZON 3000, from steel sheet S235 JR, thickness - 4 mm, for transport of liquid dangerous goods (UN 1202), netto mass to 2500 kg**
Identification document: **Technical Documentation of the Manufacturer**

- Certificate holder: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- Packaging manufacturer: **Zakład Usług Spawalniczo-Lakierniczych SPAW- MAL s.c., ul. B. Krzywoustego 1, 84-300 Lębork**
- The packaging complies with the requirements provided in: **ADR -2025**
- Certification scheme: **COBRO-UNT (according to PN-EN ISO/IEC 17067:2014-01)**
- Tests performed in: **Transport Packaging Testing Laboratory of COBRO Laboratory Széchenyi István University w Gyor**
- Test report No: **118/DOT/2013 and COBRO 02/13a**
- Rights and obligations of the Certificate Holder have been laid in the Agreement No **DC/6-UN/11** of **2011.07.20**
- Certificate validity period: from **2025.07.01** to **2028.06.30**

* - month and year of production /two last digits/

Method of packing and transport possibilities of specific goods in the packaging covered by this Certificate should be checked each time against above-mentioned regulations (according to the UN identification number); all requirements of the corresponding packing instruction should be followed. The certificate holder should provide the customer with all the information necessary for the correct use of the packaging

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MANAGER

Łukasiewicz Research Network
Łódź Institute of Technology
DIRECTOR

Warszawa, 2025.06.13

02-942 Warszawa, ul. Konstancińska 11

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20. EC Declaration of Conformity mobiSTEEL 1000 l

CE

Manufacturer:

Pressol Schmiergeräte GmbH

Parkstraße 7

93167 Falkenstein / Germany

Declares under his sole responsibility that the machine:

Model mobiSTEEL	**1000 l 230 V 60 l/min**	**1000 l 12 V DC 35 l/min**	**1000 l 12 V DC 54 l/min**	**1000 l 24 V DC 35 l/min**	**1000 l 12 V DC 54 l/min**	**1000 l Solar 10 Watt**	**1000 l Solar 30 Watt**
Function	Mobile tanks suited for storage, transport and refuelling with heating oil and diesel fuels						
Year of manufacture	see type plate						
Serial number							

complies with all relevant provisions of the following Directive:	
EC Directive	2006/42/EC Machinery Directive
Applicable standards	EN ISO 12100:2010 DIN EN 60204-1:2019

Authorized representative for the compilation of the technical documentation:

Name: Manuel Bredenbruch
Address: Pressol Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein / Germany
Phone: +49 9462 17-218

Pressol Schmiergeräte GmbH
Falkenstein, 15.10.2020

Dipl.-Ing. Rudolf Schlenker

(Managing Director)

20.1. EC Declaration of Conformity mobiSTEEL 2000 l

CE

Manufacturer:

Pressol Schmiergeräte GmbH

Parkstraße 7

93167 Falkenstein / Germany

Declares under his sole responsibility that the machine:

Model mobiSTEEL	**2000 l 230 V 60 l/min**	**2000 l 12 V DC 35 l/min**	**2000 l 12 V DC 54 l/min**	**2000 l 24 V DC 35 l/min**	**2000 l 12 V DC 54 l/min**	**2000 l Solar 10 Watt**	**2000 l Solar 30 Watt**
Function	Mobile tanks suited for storage, transport and refuelling with heating oil and diesel fuels						
Year of manufacture	see type plate						
Serial number							

complies with all relevant provisions of the following Directive:	
EC Directive	2006/42/EC Machinery Directive
Applicable standards	EN ISO 12100:2010 DIN EN 60204-1:2019

Authorized representative for the compilation of the technical documentation:

Name: Manuel Bredenbruch
Address: Pressol Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein / Germany
Phone: +49 9462 17-218

Pressol Schmiergeräte GmbH
Falkenstein, 15.10.2020

Dipl.-Ing. Rudolf Schlenker

(Managing Director)

20.2. EC Declaration of Conformity mobiSTEEL 3000 l

CE

Manufacturer:

Pressol Schmiergeräte GmbH

Parkstraße 7

93167 Falkenstein / Germany

Declares under his sole responsibility that the machine:

Model mobiSTEEL	**3000 l 230 V 60 l/min**	**3000 l 12 V DC 35 l/min**	**3000 l 12 V DC 54 l/min**	**3000 l 24 V DC 35 l/min**	**3000 l 12 V DC 54 l/min**
Function	Mobile tanks suited for storage, transport and refuelling with heating oil and diesel fuels				
Year of manufacture	see type plate				
Serial number					

complies with all relevant provisions of the following Directive:	
EC Directive	2006/42/EC Machinery Directive
Applicable standards	EN ISO 12100:2010 DIN EN 60204-1:2019

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Phone: +49 9462 17-218

Pressol Schmiergeräte GmbH
Falkenstein, 15.10.2020

Dipl.-Ing. Rudolf Schlenker

(Managing Director)

Pressol Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein | Germany
Tel. +49 9462 17-0
Fax +49 9462 17-208
info@pressol.com
www.pressol.com