

# **Please read this manual before operating the equipment**

The equipment contained in this box should only be used by trained personnel wearing appropriate personal protective equipment for the fluid contained.

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# 3800CL, 1140CL, 1900CL & 3780CL LT Series Pressure Vessels Documentation & Operating Manual

IN ACCORDANCE WITH THE PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU  
Hazard Category I Equipment



**This manual contains  
Important Warnings and Instructions**

**Read and retain for future reference**

Customer Name: SDTec

Vessel Serial Number: S605789-1-003

Date: 22 January 2019

**SR-TEK**

[technical@sr-tek.com](mailto:technical@sr-tek.com)

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The LT Series Vessels are in accordance with the Pressure Equipment Directive 2014/68/EU Article 4, Clause 3 – Sound Engineering Practice and has been certified safe to use by SR-TEK.

**If you have any questions,  
please contact us for assistance.**

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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)

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# Safety Warnings



## **Halogenated Hydrocarbon Fluid Hazard**

NEVER USE halogenated hydrocarbon solvents or fluids containing such solvents in this equipment. Examples of halogenated hydrocarbon solvents are: trichloroethane, methylene chloride, fluids with the prefix “fluoro-“, “chloro-“, “bromo-“ or “iodo-“, etc.

These solvents can cause an explosion when used in a pressurised fluid pumping system. The resulting explosion may cause death, serious bodily injury or substantial property damage.

In doubt or for confirmation of fluid compatibility, please refer to the manufacturer technical data sheet or contact us for compatibility check.

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### **Pressurized Equipment Hazard**

High pressure fluid can cause serious injury. This equipment is for professional use only. Observe all warnings.

Read and understand all applicable instruction manuals before placing equipment into service.

### **Equipment Misuse Hazard**

GENERAL SAFETY – Any use of the vessel and related accessories not consistent with that described in this manual, such as modifying or removing parts, over pressurising, using incompatible fluids and chemicals, or using worn, damaged or incompatible parts can cause them to rupture resulting in serious bodily injury, including fluid splashed in the eyes or on the skin, or fire, explosion or other property damage.

 **NEVER** alter or modify any part of this equipment, as doing so may cause it to malfunction.


**CHECK** all vessel components regularly and replace any worn or damaged parts with only SR-TEK supplied or approved parts. **BE SURE** that all connected equipment and accessories are rated to withstand the maximum operating pressure of the vessel.

### **Personal Protective Equipment**

Wear all protective eyewear, gloves, clothing and respirator as recommended by the manufacturer of the fluid used.

### **System Pressure**

**NEVER** exceed the maximum vessel pressure of 6.9 bar gauge (100 psi). The maximum supply pressure to the vessel regulator must not exceed 10 bar gauge (150psi).

 **BE SURE** that all connected equipment and accessories are rated to withstand the maximum operating pressure of the vessel.

If an Air filter regulator is not used, be certain your plant air is properly filtered and dry. Oil or particles in the air supply line can cause erratic performance and can contaminate the fluid contained, if not properly filtered.

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**i Fluid Compatibility**

**BE SURE** that all fluids, including their vapours, contained in the vessel are compatible with all materials on the wetted materials list on page 18 of this manual. Read the fluid manufacturer's literature, including the MSDS (Material Safety Data Sheet) and observe all warnings before pouring the fluid into the vessel.

If in doubt, contact SR-TEK for chemical compatibility to ensure safe installation and use of the product

Serious injuries to people and equipment around may result from improper installation, use of the device, wrong operation, non-observance of the safety instructions, inappropriate removal of vessel components, including lid, inappropriate repair or modifications to the product.

**Fill Level**

**DO NOT** over fill the vessel. The recommended maximum fill level is 50 mm below the top of the reservoir.

**Tipping and Dropping Hazard**

**BE SURE** that the vessel is placed on a hard, level surface and that all tubing lengths are of sufficient length to allow free motion of all movable components attached to the vessel.

**DO NOT** pull on tubing to move the vessel.

Tipping the vessel or otherwise supporting it on its side can cause fluid to enter both the pressure regulator and pressure relief valve and interfere with their normal function. **A damaged pressure regulator and/or damaged pressure relief valve may lead to an over-pressure condition within the vessel.** If the vessel tips or the pressure regulator and/or pressure relief valve otherwise become blocked, they must be replaced with SR-TEK supplied or approved parts.

Dropping the vessel from any height can damage the pressure regulator, pressure relief valve, and fittings and/or compromise the integrity of the vessel body and cover. **A damaged pressure regulator and/or damaged pressure relief valve may lead to an over-pressure condition within the vessel. A damaged vessel body and/or cover can be an explosion hazard.** If the vessel falls from any height, it must be thoroughly inspected for cracks or damages to the pressure regulator and pressure relief valve. If damage to a component is suspected, it must be replaced with SR-TEK supplied or approved parts.

**Tubing Safety**

Pressurised tubing can be very dangerous. Tubing whose integrity is compromised due to any kind of wear, damage or misuse can develop a leak, spraying the contents of the tank at high pressure. This spray can enter the eyes or cover the skin or cause other serious bodily injury, fire or property damage.

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**Before pressurising the vessel:**

- 1. BE SURE** all fluid connections to the vessel are properly secured.
- 2.** Examine all tubing for cuts, wear, bulges and leaks. If any of these conditions exist, replace the tubing immediately with SR-TEK supplied or approved tubing. Do not try to repair a damaged tube.
- 3. BE SURE** that the fluid to be pressurised is compatible with the tubing. Contact the fluid manufacturer and confirm that the fluid is compatible with the tubing material specified on page 16 (Wetted Materials List) of this manual.
- 4. BE SURE** that the tubing will not be exposed to operating temperatures in excess of 30 °C or below 4 °C in the application.

## Operating Data

Design pressure:	100psi (6.9bar)
Permissible operating pressure	100psi (6.9bar)
Test pressure:	174psi (12bar)
Safety valve set pressure	100psi (6.9bar)
Safety valve inspection number	TÜV SV.10-20557.5D/G
Maximum input pressure	100psi (6.9bar)
Minimum permissible operating temperature	4°C
Maximum permissible operating temperature	38°C
Internal Volume	3.8L, 11.4L, 19L, 37.8L
Material/Operating medium	Fluid Group I & II Group II Gases Only

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# Rules and Regulations for the use of pressure vessels

The following information applies only to pressure vessels within the scope of the pressure Equipment Directive 2014/68/EU Article 4, Clause 3.

The pressure equipment is designed to the ASME VIII standard taking all relevant factors into account incorporates adequate safety margins against all relevant failure modes in a consistent manner.

Operators must observe and comply with all safety regulations and other rules and regulations relevant for the specific application as well as for the place of use, in particular those regulations imposed by trade and industry law, transport law and water protection law. Before the pressure vessel is used for the first time, it is recommended to contact an authorised inspection agency to supervise pressure equipment of the corresponding category in order to determine the rules and regulations covering the specific application and coordinate further procedures.

The pressure tank has been designed, approved and marked by the manufacturer in accordance with the EU Pressure Equipment Directive 2014/68/EU Article 4, Clause 3. The category in which the equipment is classified, the scope of the assessment (vessel or assembly) and the applied conformity module can be found in the EC Declaration of Conformity.

All pressure equipment within the scope of the Pressure Equipment Directive is subject to surveillance in accordance with legislation governing safety of equipment and industrial safety.

Any person using equipment within the scope of the Regulations on Industrial Safety is required to perform an assessment of the dangers involved in using the equipment and to determine the measures necessary to ensure safe installation and operation of the equipment. In particular, this includes those dangers relating to the operation of the equipment itself as well as any dangers at the workplace resulting from interaction with other equipment or with materials or with the working environment.

Any person using pressure equipment is required to keep the equipment in an orderly condition, to operate the equipment in accordance with the rules and regulations, to monitor the condition of the equipment, to perform any necessary maintenance work without delay and to ensure that all the relevant safety measures relating to the specific application have been taken. If the equipment is found to have defects that might endanger its safe operation, it must be taken out of operation immediately.

Pressure equipment is subject to prescribed tests before being put into operation, including after any refitting or maintenance work have been carried out.



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### **Inspection before first use**

The pressure tank may be used for the first time only after it has been inspected by an approved inspection agency and has been judged to be in an orderly condition with regards to its assembly, installation, mounting conditions and safe operation.

### **Recurrent inspections**

The pressure equipment must be periodically monitored by the inspection agency at specified intervals to ensure that it is in orderly condition. These inspections consist of internal inspections and strength tests.

Unless otherwise stipulated, internal inspections must be carried out by the inspection agency at least every 5 years, and strength tests must be performed at least every 10 years.

### **Inspection in special cases**

If the pressure vessel has been modified in any way, it must not be put into operation again until it has been checked by the notified body and its operation found to be fault-free, so far as it is affected by the modification(s).

If the allowable operating parameters (maximum allowable operating pressure, maximum allowable operating temperature) have been exceeded due to the specific application or as a result of external influences, or if the values have fallen below the minimum levels, the pressure vessel must not be put in operation again until it has been checked by the notified body and has been found to be in a fault-free condition. This also applies if the tank has been exposed to fire.

## Design and Functional Description

In its standard design, a pressure vessel consists of a container with a removable lid, a compressed air inlet fitting assembly comprising of an air pressure regulator with back pressure control, a pressure gauge, a tested safety relief valve, a material outlet fitting consisting of a pipe to the material outlet.

In particular, the following factors are taken into account:

- internal/external pressure,
- ambient and operational temperatures,
- reaction forces and moments which result from the supports, attachments, piping, etc.,
- corrosion and erosion, fatigue, etc.,
- decomposition of unstable fluids.

Design for adequate strength is based on a calculation method and supplemented by an experimental design method.

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The vessel operates as a feed system to the user's fluid dispensing or spraying device.

The required delivery pressure or fluid flow rate is adjusted by a pressure regulator with a back pressure control in the air input side. Once the operating pressure has been set, the vessel ensures an even flow of fluid to the user's device.

**Provisions are made to ensure safe handling and operation.**

Attention has been paid to:

- closures and openings,
- dangerous discharge of pressure relief blow-off,
- devices to prevent physical access whilst pressure or a vacuum exists,
- decomposition of unstable fluids.

In particular, the closure is designed to prevent it being opened whilst a pressure, or vacuum, is present.

**The closure is designed to allow for the inside of the pressure vessel to be examined.**

**Means of draining and venting**

Adequate means is provided for draining and venting of the pressure vessel where necessary:

- to avoid harmful effects such as vacuum collapse, corrosion and uncontrolled chemical reactions. All stages of operation and testing, particularly pressure testing, are considered,
- to permit cleaning, inspection and maintenance in a safe manner.

**Corrosion or other chemical attack**

By the use of 316L or 304L Stainless Steel, adequate allowance or protection against corrosion or other chemical attack has been provided, taking due account of the intended and reasonably foreseeable use. The end user must satisfy himself that the grade of stainless steel is acceptable for the intended use.

**Wear**

Where severe conditions of erosion or abrasion may arise, adequate measures must be taken to ensure safe use.

**Assemblies**

Assemblies are designed that:

- the components assembled together are suitable and reliable for their duty,
- all the components are properly integrated and assembled in an appropriate manner.

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### **Provisions for filling and discharge**

The pressure vessel has been so designed that provision has been made to ensure safe filling and discharge. However it is the responsibility of the final assembler and user to ensure safe use in particular with respect to hazards such as:

(a) on filling:

- overfilling or over pressurization having regard in particular to the filling ratio and to vapour pressure at the reference temperature,
- instability of the pressure equipment;

(b) on discharge: the uncontrolled release of the pressurized fluid;

(c) on filling or discharge: unsafe connection and disconnection.

### **Protection against exceeding the allowable limits of pressure equipment**

Responsibility of final assembler and end user; where, under reasonably foreseeable conditions, the allowable limits could be exceeded, the pressure equipment is fitted with suitable protective devices.

The suitable device or combination of such devices is determined on the basis of the particular characteristics of the equipment or assembly.

Suitable protective devices and combinations thereof comprise:

(a) safety accessories as defined in Article 1, section 2.1.3,

(b) where appropriate, adequate monitoring devices such as indicators and/or alarms which enable adequate action to be taken either automatically or manually to keep the pressure equipment within the allowable limits.

### **Safety accessories**

➤ Safety accessories are:

- designed and constructed to be reliable and suitable for their intended duty and take into account the maintenance and testing requirements of the devices, where applicable,
- independent of other functions, unless their safety function cannot be affected by such other functions,
- compliant with appropriate design principles in order to obtain suitable and reliable protection.

These principles include, in particular, fail-safe modes, redundancy, diversity and self-diagnosis.

➤ Pressure limiting devices

These devices are designed so the pressure will not permanently exceed the maximum allowable pressure; however a short duration pressure surge in keeping with the specifications laid down in 7.3 is allowable, where appropriate.

➤ Temperature monitoring devices

These devices must have an adequate response time on safety grounds, consistent with the measurement function.

The accessories fitted on the pressure vessel are:

- 0 – 6.9bar pressure relief valve,
- 0 – 6.9bar pressure regulator,
- 0 - 10bar gauge,

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**External fire**

Responsibility of final assembler and end user: where necessary, pressure equipment must be so designed and, where appropriate, fitted with suitable accessories, or provision made for their fitting, to meet damage-limitation requirements in the event of external fire, having particular regard to its intended use.

**If you have any questions,  
please contact us for assistance.**

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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)

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# Manufacturing

Pressure vessels are designed and manufactured to meet the requirements of the ASME VIII standard.

Ports are provided on the vessel to allow for connection of assemblies and pipework. Care must be taken to prevent stressing of the ports and to ensure safe connections.

The use of the equipment must take into account the design parameters and EHSR's associated with the vessel and any fitted assemblies.

Instructions cover information affixed to the pressure equipment in accordance with marking and labelling and are accompanied, where appropriate, by the technical documents, drawings and diagrams necessary for a full understanding of these instructions.

If appropriate, these instructions will also refer to hazards arising from misuse.

# Materials

The pressure vessels are manufactured in 316L or 304 Stainless Steel in order to ensure good safe performance during the scheduled lifetime of the vessels. It shall be the responsibility of the customer to ensure that the correct seal is specified to ensure materials are sufficiently chemically resistant.

## **Vessel closure**

Care should be taken to ensure the correct closure is used for operation

- Pressure closures do not guarantee an air tight seal below 0.5bar.

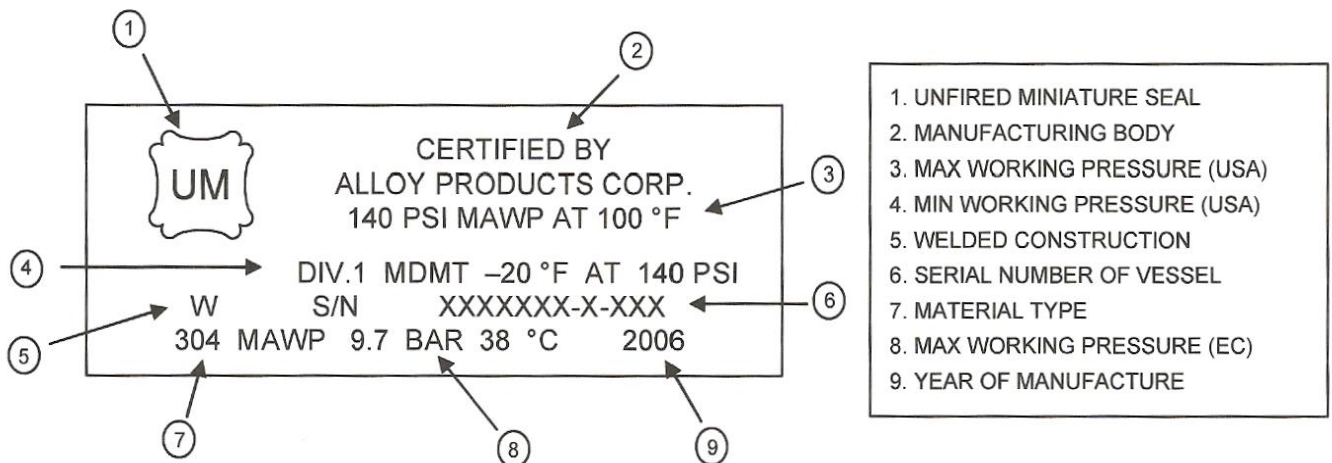
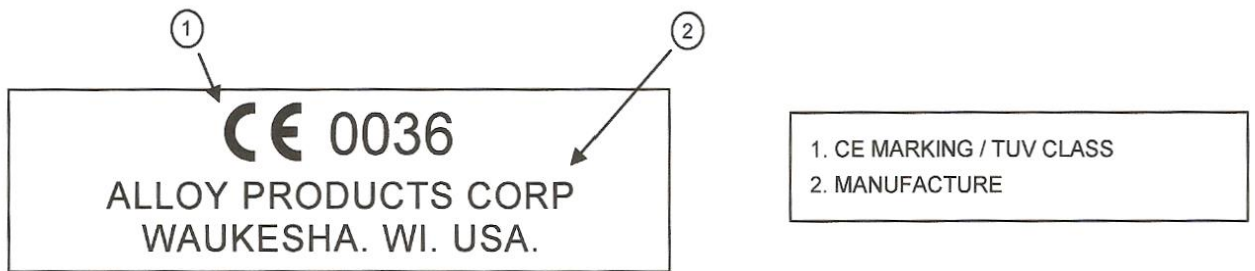
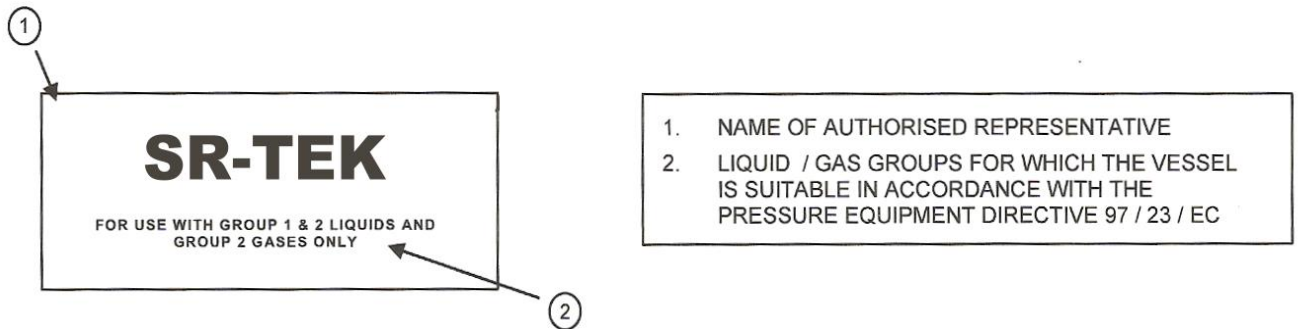
## **Accessories**

All pressure gauges supplied by SR-TEK have a nominal pressure, which is less than 200bar. These instruments are supplied in accordance with Sound Engineering Practice and as such will not be CE marked.

## **Jacketed Vessels**

It shall be the responsibility of the customer to ensure that the jacket surrounding the pressure vessel cannot be over-pressurised.

# Vessel Marking Details



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## Conditions of use

Material pressure vessels are designed to be used for delivering low to medium fluids and materials that are put under pressure by a gas (compressed air and other inert gases).

The tank must be used only within the operating parameters specified in the Operating data (page 6 of this manual).

SR-TEK undertakes the responsibility for the device subject of delivery, i.e. for the pressure device and other components of the equipment supplied. Operators are obliged to observe the applicable regulations, instructions and be personally responsible for the equipment.

This implies that operators have read, understood and observed all instructions set out in this manual. SR-TEK Ltd cannot be held responsible for property damages, injuries or any other form of losses if operating and safety instructions described in this manual have not been followed.

Before filling the vessel, make sure the fluid is compatible with all wetted parts of the equipment. Information about fluid compatibility can be found on page 3 of this manual and technical data sheet of the fluid manufacturer. In doubt, please contact SR-TEK for compatibility check. Follow the safety instructions provided by the fluid manufacturer during filling operation.

The pressure vessel must not be operated solely with liquid pressure (e.g. filled to the lid).



The pressure vessel must not be pressurised using toxic, flammable or aggressive gases. Pressurising the vessel with pure oxygen is strictly prohibited: **RISK OF EXPLOSION!**

The pressure vessel must not be operated with nitrogen unless additional safety devices have been fitted.

The pressure vessels must not be used for transporting materials. Exceptions are permissible only if suitable measures have been taken by the customer to allow the vessel being used at various locations within the same plant.

The pressure vessel must not be used for long-term storage of materials.

The pressure vessel must not be used for materials that are incompatible with the vessel and all other wetted parts in the vessel.

No changes or modifications should be made to the pressure vessel and its components prior consulting SR-TEK.

The components and accessories fitted to the vessel (safety valve, regulator, gauge, etc...) must not be changed or tampered with. The vessel should be protected against dirt and contamination.

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# Instructions

- ① Read carefully this operation manual before handling the device and before putting it into operation.

This operation manual is part of the product and should be kept close to it. The product should always be used by trained operators.

Observe all the safety instructions from this manual to avoid damage to the equipment and risk to the operators and staff working in close proximity of the pressure vessel.

If the vessel is placed in an area with risk of electrostatic charges, the pressure vessel, the air line, fluid line and all electric conductive surfaces within the working area of the vessel must be earthed.

## **Air quality and connection conditions**

We strongly recommend the use of 5µm coalescing filter to achieve clean and dry compressed air supply to the vessel.

Prescribed air quality as per DIN ISO 8573-1, Quality Class 4.

We recommend using the following:

- Residual maximum dust particle size: 5µm
- Residual maximum dust concentration: 8mg/m<sup>3</sup>
- Residual maximum humidity concentration: 6g/m<sup>3</sup>

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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)



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# Setup

1. Install the air tubing into the vessel's regulator already installed on the vessel. Maximum pressure is 100 psi (6.9 bar). If no air filter regulator is available, please install one.
2. Remove the vessel's lid to make sure the internals are clean.
3. Connect a fluid fitting (not provided). Thread must be 3/8"NPT to connect with dip tube.
4. Cut the fluid feed tubing (not provided) to an appropriate length to connect to dip tube or extend to the bottom of the vessel. If the tube is extended to the bottom, cut one end of the feed tubing at an angle to facilitate suction. Make sure all connections are tightened to secure the tube.
5. Attach the other end of the fluid feed tubing to the other part of your system.
6. Fill the vessel either by pouring material directly into the vessel or by using the open 1/4"NPT port.
7. Install the lid.
8. Adjust the vessel air regulator to a pressure sufficient to pressurise the material. Typical settings are 10 to 20 psi (0.6 to 1.2 bar) for low viscosity and 40 to 80 psi or (2.8 to 5.5 bar) for high viscosity fluids.

Compatibility between the equipment described in this manual, the fluid, the usage and the application remain the responsibility of the operator. Special attention must be paid to potential risks of corrosion and abrasion forming inside the vessel. If signs of corrosion or abrasion are detected, safely disconnect the equipment and remove the vessel away from the working area. If, while operating with the equipment, something unusual is noticed, immediately stop all operations involving the pressure vessel and contact SR-TEK.

If the vessel is not installed and connected correctly, not maintained regularly, used in a different way than its intended purpose, modified in any ways or safety instructions not followed, serious injuries to operators and staff working in close proximity can result out of it. SR-TEK cannot be held responsible for misuse of the equipment.

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## Pressure Relief Procedure

To reduce the risk of bodily injury, including fluid splashing into the eyes, **NEVER** attempt to open the vessel without first performing this procedure.

1. Turn pressure to 0 on the vessel air regulator.
2. Actuate the air relief valve. Hold the relief valve open until any hissing sounds end.
3. Confirm that the indicated gauge pressure is zero.  
If the gauge reads zero, slowly release the clamp from the lid and remove the lid.
4. If the pressure gauge does not read zero after performing Steps 1 and 2, remove the air input hose from the air regulator and set the regulator pressure to zero. A hissing sound should be heard from the regulator during this step. Once the gauge reads zero, return to Step 3. Do not use the vessel until the air relief valve is replaced.

## Refilling

To open the vessel, follow the Pressure Relief Procedure above.  
Follow setup steps 1-8 to refill.

**Note:** When pressurised, it is normal to hear a hissing sound coming from the regulator. This is due to the constant-bleed regulator feature.

## Wetted Parts List

The following materials come in contact with the fluid during normal use:

1. Stainless steel grade 316 dip tube
2. For all LT models: Stainless steel grade 304 (vessel body and lid)
3. For all LTSS models stainless steel grade 316 (vessel body and lid)

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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)

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# Troubleshooting

Maintenance and repair work may be carried out only on a vessel which has been completely depressurised and fully disconnected from both fluid and air lines.

<b>Trouble:</b>	<b>Cannot set or maintain reservoir pressure</b>
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<b>Possible Cause</b>	<b>Solution</b>
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- |   |   |
|---|---|
| ➤ Lid clamp not secured                   | Make sure lid clamp is secured and lid is not loose.  |
| ➤ Leaking feed tube                       | Make sure the fitting used is assembled correctly. If leak continues after proper installation, replace with new fitting.   |
| ➤ Damaged lid O-ring seal                 | Replace damaged O-ring seal.  |
| ➤ Damaged/malfunctioning air relief valve | Replace with new air relief valve.  |
| ➤ Kinked air supply line                  | Make sure air supply line is straight and protected from other equipment.   |
| ➤ Lid seal surface dirty or damaged       | Clean both the vessel's flange and lid<br>Do not use sharp or pointy tools.<br>Make sure lid sealing surface is free from debris or other contamination.<br>The vessel or the lid should be replaced if there is a cut or gouge in the sealing surface deep enough to prevent the vessel from achieving its set pressure. |
| ➤ Damaged/malfunctioning air regulator    | Replace with new air regulator.   |
| ➤ Damaged/malfunctioning Pressure gauge   | Replace with new pressure gauge.  |
| ➤ Air supply is fluctuating               | Supply system regulator is required.<br>Set the regulator to the lowest plant air fluctuation.  |

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# Maintenance and Cleaning

The LT series vessel are very simple and reliable vessels that require little routine maintenance. However, the following items should be checked monthly to assure continued trouble-free operation:

1. The air relief valve must be cycled with the vessel pressurised at least once per month. The valve should operate smoothly with normal finger pressure. If the valve requires excessive force to operate or is visibly contaminated, it must be replaced.
2. The condition of the O-ring should be checked for cuts, tears, etc. Any spills on the sealing surface of the vessel should be wiped clean immediately with a soft, damp cloth and mild soapy water.
3. The pressure regulator should be checked at regular intervals to ensure that it is fully functional.

If further cleaning is required, please follow the safety instruction below.

Make sure the vessel has been completely depressurised and discounted from both air line and fluid line.

If cleaning agents are being used on the vessel, observe the manufacturer's safety instruction, especially for aggressive and corrosive cleaning agents.

**Always** wear proper protective clothing and breathing protection when carrying out cleaning work with chemicals.

During cleaning, ensure that material residues do not react and are not ignited by the tools and cleaning agents used.

The use of highly flammable materials means that there is an increased risk of explosion and fire in the working area.

For cleaning the vessel, use only cleaning agents which **DO NOT** contain the following components: halogenated hydrocarbons (such as trichloroethane, methylene chloride, etc...) acids, and acidic cleaning agents, regenerated solvents (so-called cleaning solvents) or paint removers. These components cause chemical reactions and can result in corrosion damage.

**Do not** use hard or sharp objects to clean the vessel to avoid scratching the surface.

**Never** immerse the complete vessel in solvent or any other cleaning agent as the chemicals will damage the components mounted on the vessel and temper their safety function. The vessel will no longer be guaranteed.

**Do not** use cleaning methods which could cause corrosion or which reduce the thickness of the walls (e.g mechanical sanding or sand blasting).

Waste materials produced as a result of cleaning and maintenance work must be properly disposed of in accordance with the existing laws and regulations.

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Maintenance and repair work may be carried out only on a vessel which has been completely depressurised and fully disconnected from both fluid and air lines.

The use of compressed air and regular maintenance will ensure that serious faults will hardly ever occur.

All regulating and safety components must, if they have been supplied by SR-TEK, be replaced only by original SR-TEK parts. Spare parts list can be found in Appendix II of this manual (page 23).

**Please contact us if you require replacement parts.**

### **Disposal**

Materials that remain after cleaning and maintenance must be disposed in compliance with the laws and regulations in place in the country where the equipment is being used. Materials, fluids, cleaning agent improperly disposed endangers the environment and health of beings.

**If you have any questions,  
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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)

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## Warranty

It is the customer's duty to inspect the goods immediately after delivery. In the event of damage or defect, to raise any complaints in writing to SR-TEK. Complaints must be made within a period of 2 working days after receipt of goods.

The above also applies to excess or shortage of delivery.

SR-TEK does not accept any liability for damages or loss resulting of misuse, improper installation or operation by the customer or by third parties, normal wear and tear, incorrect or careless usage, the use of unsuitable fluids, substitute materials, defective construction work and unsuitable construction locations or from chemical, electrochemical or electrical influences, unless they are the result of our negligence.

In the event of a warranty claim, we are entitled to choose whether to repair the defect at our own expense or to provide a replacement within a reasonable period of time. If we are not prepared or able to replace or repair, or if a delay occurs for any reasons, the customer is entitled to request a partial or full refund.

The warranty period is six months.

We do not accept liability for any damage other than the delivery item itself.

In the event that liability has not been excluded, our liability to provide compensation is limited to the foreseeable damage; this does not apply if the cause of the damage is the result of wilful action.

In the case of second hand goods, we will accept liability only if these have been overhauled by us and brought to a technical state which approaches the technical state of new goods in accordance with the justified expectation of the customer.

The warranty period on second hand goods is three months.

**If you have any questions,  
please contact us for assistance.**

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E-mail [technical@sr-tek.com](mailto:technical@sr-tek.com)

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# Appendix I

## Vessel Manufacturing Certificates & Drawings

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# Appendix II

## List of Spare Parts

<b>Part number</b>	<b>Description</b>	<b>Quantity</b>
1. 1006B	Nipple adapter, R1/4 x R1/4	1
2. 1170H	Pressure regulator 0-100psi (0-6.9 bar)	1
3. AN-100-G	Pressure gauge 0-100psi (0-6.9 bar)	1
4. 1001F	Straight adaptor, R1/4 x 6mm	1
5. 100-SV	1/4in Safety valve 100psi	1

If the vessel is fitted with custom parts, please contact SR-TEK direct, quoting your vessel serial number.



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# SR-TEK

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## EC DECLARATION OF CONFORMITY

SR-TEK is a supplier of a range of Pressure Vessels.

The Pressure Vessels are rated for Hazard Category 1 and are designed and manufactured to ASME code rules, section VIII, Division 1.

Design and production is covered by Module 'A' of the Pressure Equipment Directive 2014/68/EU Article 4, Clause 3.



Mr. L. Medart  
Director

Date: 05<sup>th</sup> April 2019