

EN

USER MANUAL AND SAFETY INSTRUCTIONS

STEAMER® Electric



Congratulations on your new product

Please read through this booklet and in particular familiarize yourself with the safety instructions before using the device. Improper use may cause fire and/or serious damage.

Take good care of this User Manual and the Safety Instructions. Make sure you have read and understood the contents before using the device.

CE Declaration of Conformity:

We declare that STEAMER electric (2014-) has been assessed and found in accordance with the applicable directive and regulations.

Frogn 01.10.2014

Tron Dahl (sign)

General Manager

Disposal:

When disposing of the device, the device must be returned for recycling as metal waste. Electric heat elements and cables should be delivered as "small electric" waste.

Changes:

Text and images in this booklet applies on printing date. We reserve the right to update the instruction manual, and also make changes if the device should be significantly changed. Rev 1/10 - 2024

SAFETY INSTRUCTIONS

- **Never block the safety valve.**
- **Check that the opening out of the safety valve is open and free for foreign objects.**
- **Always put the device on a heat-resistant, non-combustible underlay.**
- **Always use only clean water on the device.**
- **In the event of a malfunction or defect in the device, the device shall not be used before the error is corrected by qualified personnel.**
- **It is very important that you always use a grounded power outlet and a grounded extension cord.**
- **Always make sure that the electrical cables and connectors are intact and undamaged.**
- **All extension cords on drum must be coiled completely out to avoid overheating.**
- **Never use the device for any other use than that of the device intended for.**
- **Do not immerse the device in water and avoid spilling water on the electrical components.**
- **The device becomes very hot during use. Be careful to avoid burns.**
- **Allow time for the device to cool down after use before moving it. It contains boiling water that can cause severe burns.**
- **Any modification to the device means that the manufacturer's warranty/liability lapses.**

Remember that in the case of a lack of grounding and/or a damaged contact/wire, it can result in an electric shock. With electric shock, you risk serious injury and loss of life. If a scalding or burn injury occurs, the burned area should be cooled as quickly as possible. Use running cold water, snow or ice for at least 20 minutes. Also seek medical help as soon as possible.

The safety valve must never be blocked.

The safety valve is an important safety component of the appliance. This regulates the pressure in the "boiler", and ensures that it is kept at a safe level. This safety valve must therefore NEVER be sealed, adjusted or in any way modified or taken out of service.



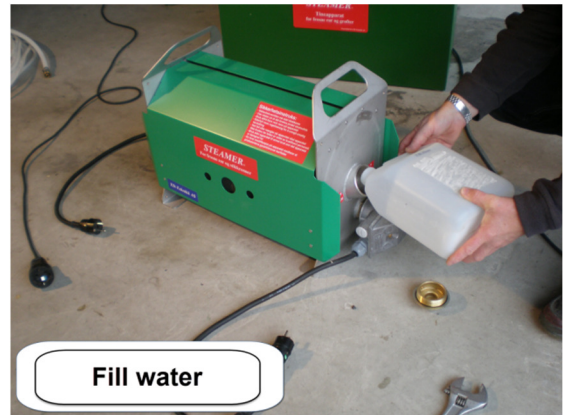
Always place the device on a surface that can withstand water, such as here on a concrete floor. If it is wood, linoleum or similar that cannot withstand water or can be damaged by heat, something must be placed under the appliance to protect the floor.



USER MANUAL

START

- Place the device on a stable, non-flammable surface where you will use it. Shield the device so that it is not exposed to a lot of wind.
- Fill water on the apparatus (about 5-8 liters). You can fill to the top of the threads of the filler plug. Feel free to use warm water. Do not tighten the filler plug too hard.
- Connect the thawing hose to the device.
- Check that the electrical cables and connectors are undamaged and connect both sockets. The sockets must each be connected to a fuse rating of at least 13A, otherwise the fuses will trip. Make sure that the sockets are not left in water.



The appliance takes 10-12 minutes to boil the water, depending on the quantity and temperature of the water you fill. When the water in the appliance starts to boil, the steam will eventually come out of the end of the defrost tube and the thermometer will show approx. 110°C. Wait a little longer until the steam "flushes" out of the hose. The appliance is now ready for use and you now have a good flow of steam for approx. 30 minutes. The electrical elements are protected against dry boiling and overheating by their respective thermostats. The appliance should still not dry boil unnecessarily to avoid unnecessary wear and tear on elements and on the appliance's insulation jacket (unnecessarily high temperature on the boiler). Be sure to refill water when the power of the device decreases.

Refill water

- Pull out the electrical contacts to stop the appliance.
- DO NOT unscrew the filler plug until you are sure that the appliance is depressurized (pull the ring at the end of the safety valve to release the pressure).
- Carefully loosen the filler plug (be careful, it's hot!) and top up with water to the level mark, approximately to the top of the threads in the filler hole.

Turn off

- Pull out the electrical contacts to stop the appliance.
- DO NOT unscrew the filler plug until you are sure that the appliance is depressurized (pull the ring at the end of the safety valve to release the pressure).
- Allow the appliance to cool down to approx. 50 degrees before moving it or draining the water.
- Drain the water by carefully loosening the filler plug (be careful, it may be hot!). Then drain the water through this opening.

Nozzle:

The device comes with a nozzle. It makes the Steamer more efficient on pipes with a diameter greater than approx. 200 millimeters. This nozzle will also simplify the job when thawing uneven pipes and corrugated pipes.

Note:

However, when thawing smaller pipes, the hose plain, without a nozzle will be most effective.

Attach the nozzle:



You need a 14mm socket, the nozzle and a sharp knife



Chafre the hose end



Align the nozzle and screw in onto the hose



Finish

Other issues

Steam coming out of the safety valve is not dangerous for the device and is not a sign of any fault. Steam coming out of the safety valve is usually a sign that the thawing hose is blocked (frozen after the previous defrost mission?). Some steam may also escape from the safety valve during normal use. This is usually a sign that you press too hard when thawing/staking and get too much resistance at the end of the thawing hose.

The safety valve is an important safety component of the device. This regulates the pressure in the "boiler", and ensures that it is kept at a safe level. This safety valve must therefore NEVER be sealed, adjusted or in any way modified or taken out of service.

Tips and tricks for use

- As far as possible, frozen pipes should be thawed "upward" so that water in the pipe drains out. Cold water around the thawing hose "steals" much of the energy in the steam and reduces the effect significantly. If there is a long pipe of water before the ice plug, you should suck/pump out this water to improve the effect. TD-Teknikk AS sells a suitable bilge pump that fits the connection to the thawing hose (1/2" BSPP).
- When using the thawing device, you should consider that if much of the thawing hose is in contact with snow, ice or water, some of the effect will be lost here. If you can put some wood or similar under the hose, it will help a lot.
- If you often stake short pipes, you should acquire a thawing hose that is shorter than the one supplied with the device (16 metres). This will simplify handling and improve the effect.
- Some plastic water pipes (including black cold water pipes) have a recommended maximum temperature of 60°C. However, they have a melting temperature of 135°C. Tests show that these pipes are still rigid with the thawing hose lying inside with steam for a long time. Even so, we would recommend letting the water run a little after thawing such pipes in order to flush out any substances that may have come from the plastic pipe.

Storage

The steamer is made of stainless materials. Valves and plugs are in brass. The device therefore requires very little maintenance.

The hose should be emptied to avoid frost plugs the next time the device is needed.

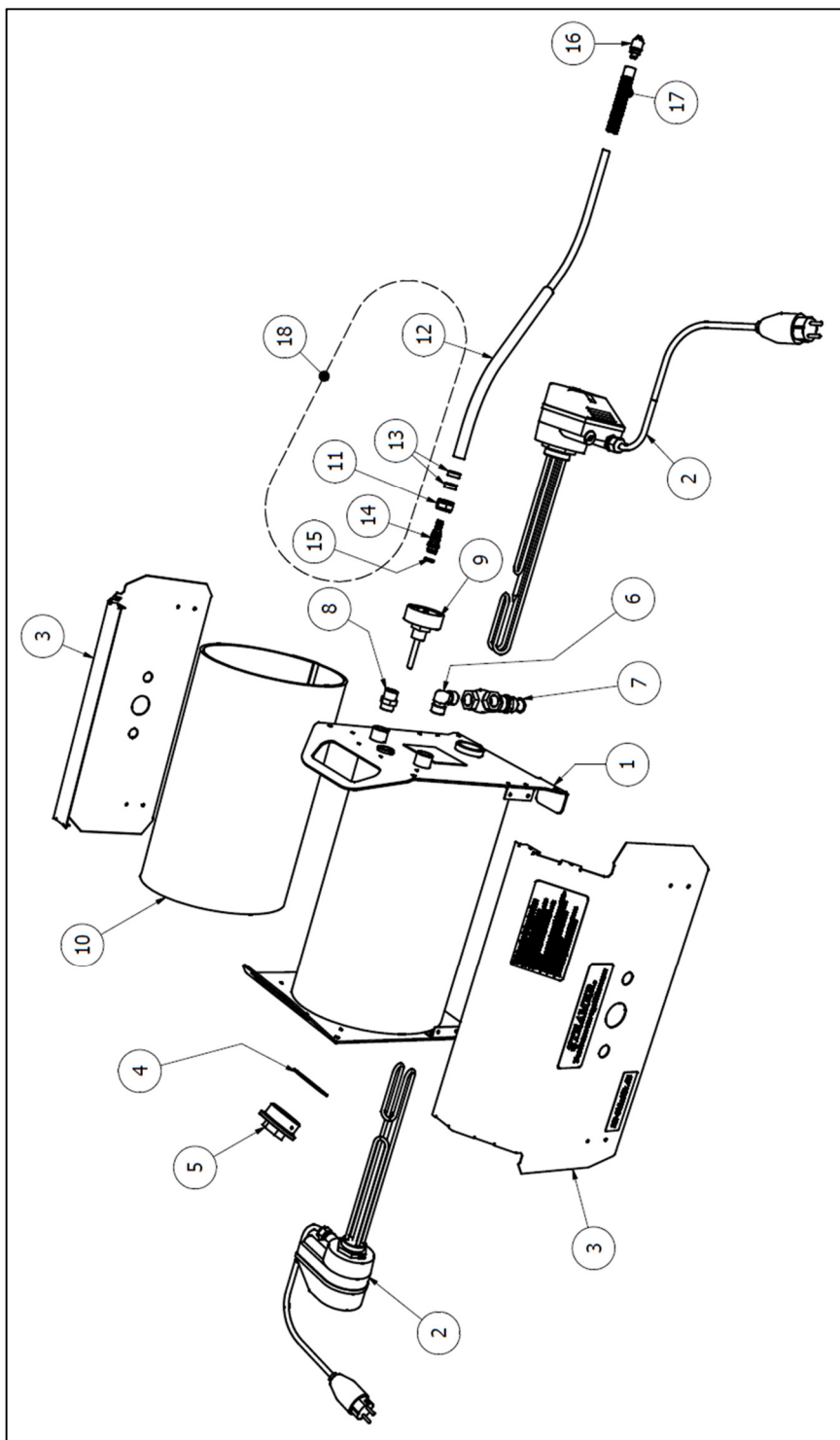
Neither the hose nor the device is damaged by water freezing in them.

When the thawing hose is to be coiled/wrapped, you should be quick and do this while the hose is still warm and soft. When it has cooled, the hose retains its shape better and can then be stored more easily together with the device.

Technical data

- **Weight:** Empty device: Approx 21,5 kg
- **External dimensions (length x width x height):** 69x29x40 cm
- **Effect:** 6000W (2 x 3000W)
- **Connection:** 2 pcs 230V grounded single-phase plug (minimum 13A)
- **Maximum amount of water:** 7 litre
- **Time for boiling (10-100°C):** 10-12 minutes
- **Usage time (7 liter water):** Approx 30 minutes
- **Hose:** PEX \varnothing 12x2,0 – length approx 16 metres
- **Materials in the device:** Stainless materials in all parts
- **Safety valve release pressure:** 0,5 bar

Exploded view:



REMEMBER:

- In the event of faults or defects in the device, the device must not be used before the fault is rectified by qualified personnel.
- Every modification to the device means that the manufacturer's warranty/responsibility is void.

Part list

DELELISTE		
POS	ANTALL	NAVN
1	1	STEAMER kropp
2	2	3000W element komplett
3	2	Deksel
4	1	2" Stål/gummi pakning
5	1	2" Plugg
6	1	1/5" Vimkelnippel
7	1	Sikkerhetsventil
8	1	Rørnippel på tank
9	1	Termometer med hylse
10	1	Isolasjonskappe
11	1	Mutter for rørnippel
12	1	ø12 mm rør - 16 meter
13	2	Slangeklemme ø18,5
14	1	Nippel til tineslange
15	1	O-ring 12x2,0
16	1	Dyse
17	1	Dysemutter med fjær
18	(1)	ø12 rør komplett med nippel (uten dyse)

Parts and service

Use only original spare parts.

Parts and service can be ordered from:

TD-Teknikk AS

Fagerstrandveien 109
N-1455 Nordre Frogn
Norway

e-mail: post@td-teknikk.no

Phone: +47 414 20 657

Additional equipment for the defroster sold by TD-Teknikk AS:

- **25 meters ø12mm thawing hose**
- **Special hose set for small dimensions** (preferably used for pulling pipes for fiber cables) with 10 meters of ø6mm hose and 10 meters of ø8mm hose.
- **Bilge pump** adapted to the thawing hose connection to suck out water in pipes. If there is a lot of water above the ice plug, the thawing hose will lose a lot of its effectiveness.
- **And more..**

Visit www.td-teknikk.no for more info and prices

STEAMER - A Norwegian product from

TD-Teknikk AS

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