EN

USER MANUAL

AND

SAFETY INSTRUCTIONS

STEAMER® Propane

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 propane (2013-) has been assessed and found in accordance with the applicable directive and regulations.

Frogn 01.05.2013
Tron Dahl (sign)
General Manager

Disposal:

When disposing of the device, the device must be returned for recycling as metal waste. Plastic hose and propane hose (with bottle valve) should be delivered as "other" 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 1/1 - 2023

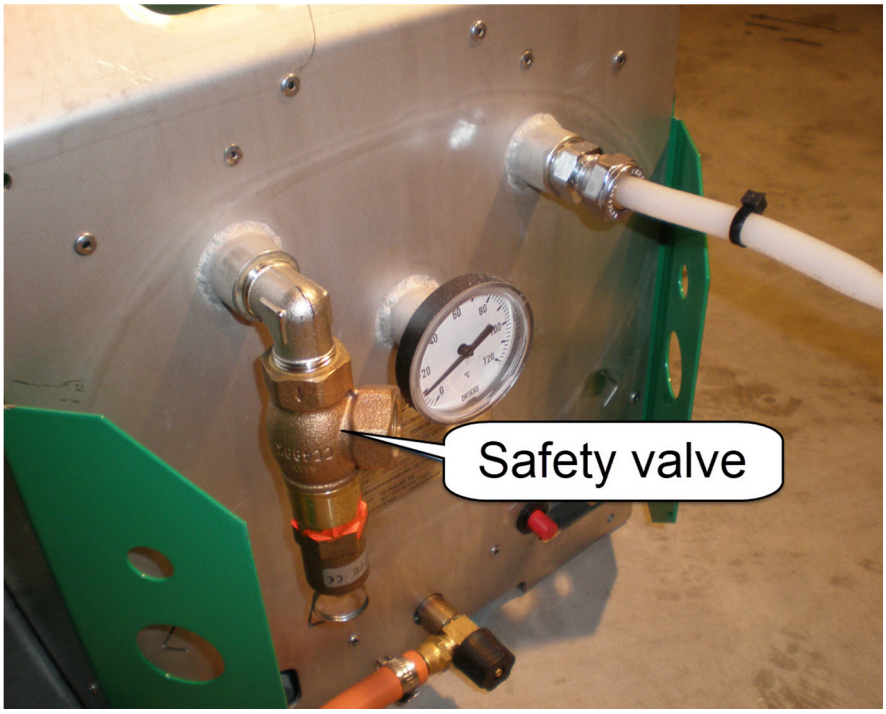
SAFETY INSTRUCTIONS

- **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: used before the error is corrected by qualified personnel.**
- **Never use the device for any other use than that of the device intended for.**
- **Any modification to the device means that the manufacturer's warranty/liability lapses.**
- **The device should only be used outdoors with good air ventilation.**
- **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.**
- **Be careful when igniting the gas. DO NOT hold your head or hands over/under the device when ignited.**

Remember that propane gas is dangerous if inhaled. Also the exhaust gas (Co2) is dangerous to inhale and may cause unconsciousness/dead. Never stand directly over the device when the flame is lit. Propane gas may pose a risk of explosion if the flame is accidentally extinguished or in the event of leaks on hoses/couplings.

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. Then seek medical help as soon as possible.

Never block the safety valve.

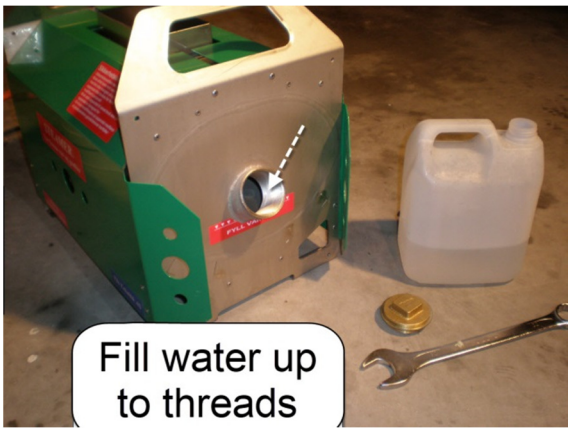


Always put the device on a heat-resistant, non-combustible underlay.

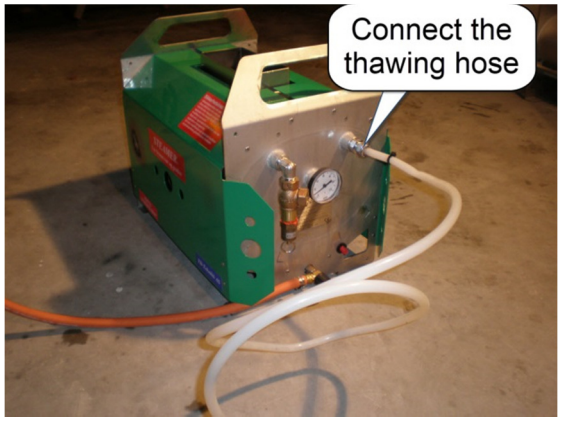
USER MANUAL

START

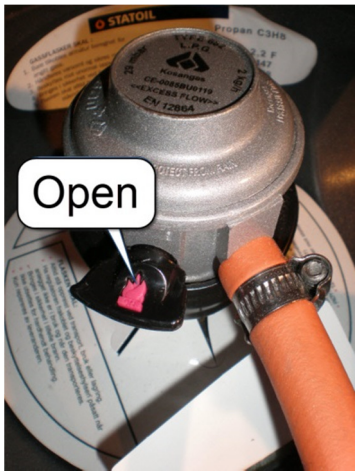
- Place the device on a stable, non-flammable surface where you will use it. Shield the device so that it is not exposed to a lot of wind.



- 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.

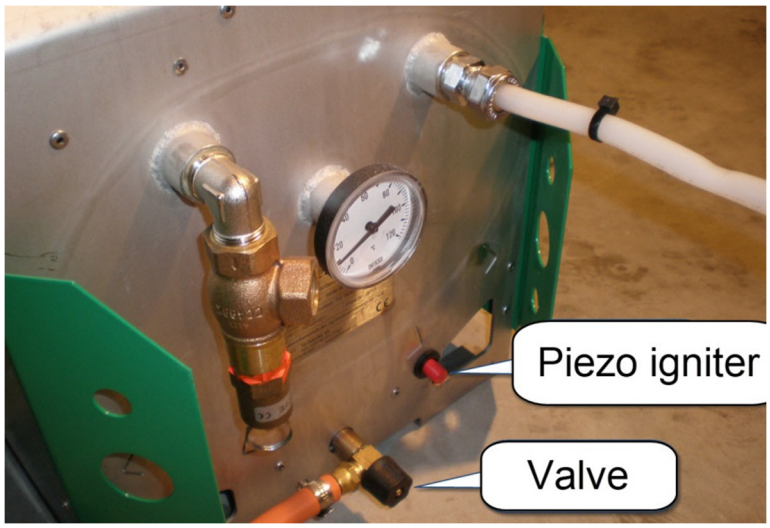


- Connect the thawing hose to the device.



- Check that the propane valve on the appliance is closed (turn clockwise), and connect the propane bottle valve. Make sure the propane bottle is stable and upright.
- Open the gas valve on the bottle valve.

- Find the ignition button on the device. Open the propane valve on the device and press the igniter repeatedly until the gas ignites. Be careful when lighting the gas. DO NOT put your head or hands over/under the device when igniting. It *may* ignite with a "BOOF" and the flames can shoot out of the device for a short second. The flames can be seen and controlled through the hole in the side panel of the device.



The device takes 10-15 minutes to boil the water, depending on the quantity and temperature of the water you fill. When the water in the device starts to boil, the steam will eventually come out of the end of the defrost hose. Wait a little longer until the steam "flushes" out of the hose and the thermometer shows between 105 and 110 degrees. The device is now ready for use.

Turn off

- Close the propane valve on the device and see that the flame goes out.
- Close the gas valve on the bottle valve and remove this from the propane bottle.
- DO NOT unscrew the filling plug until you are sure that the device is depressurized (pull the ring at the end of the safety valve to release the pressure).
- Allow the device to cool down to approx. 50 degrees before moving it or draining the water.

Nozzle:

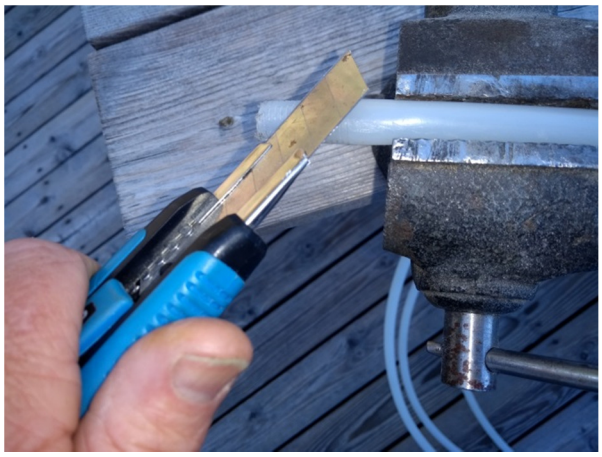
The device comes with a nozzle. It makes the Steamer more efficient on pipes with a diameter greater than approx. 200 millimeters. This nozzle will also simplify the job when thawing uneven pipes and corrugated pipes.

Note:

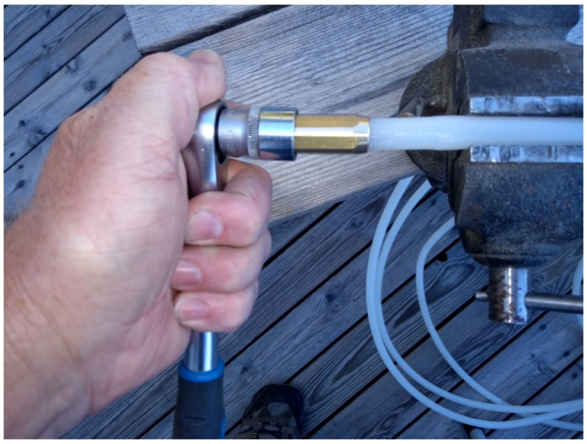
However, when thawing smaller pipes, the hose without a nozzle will be most effective.

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.

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.

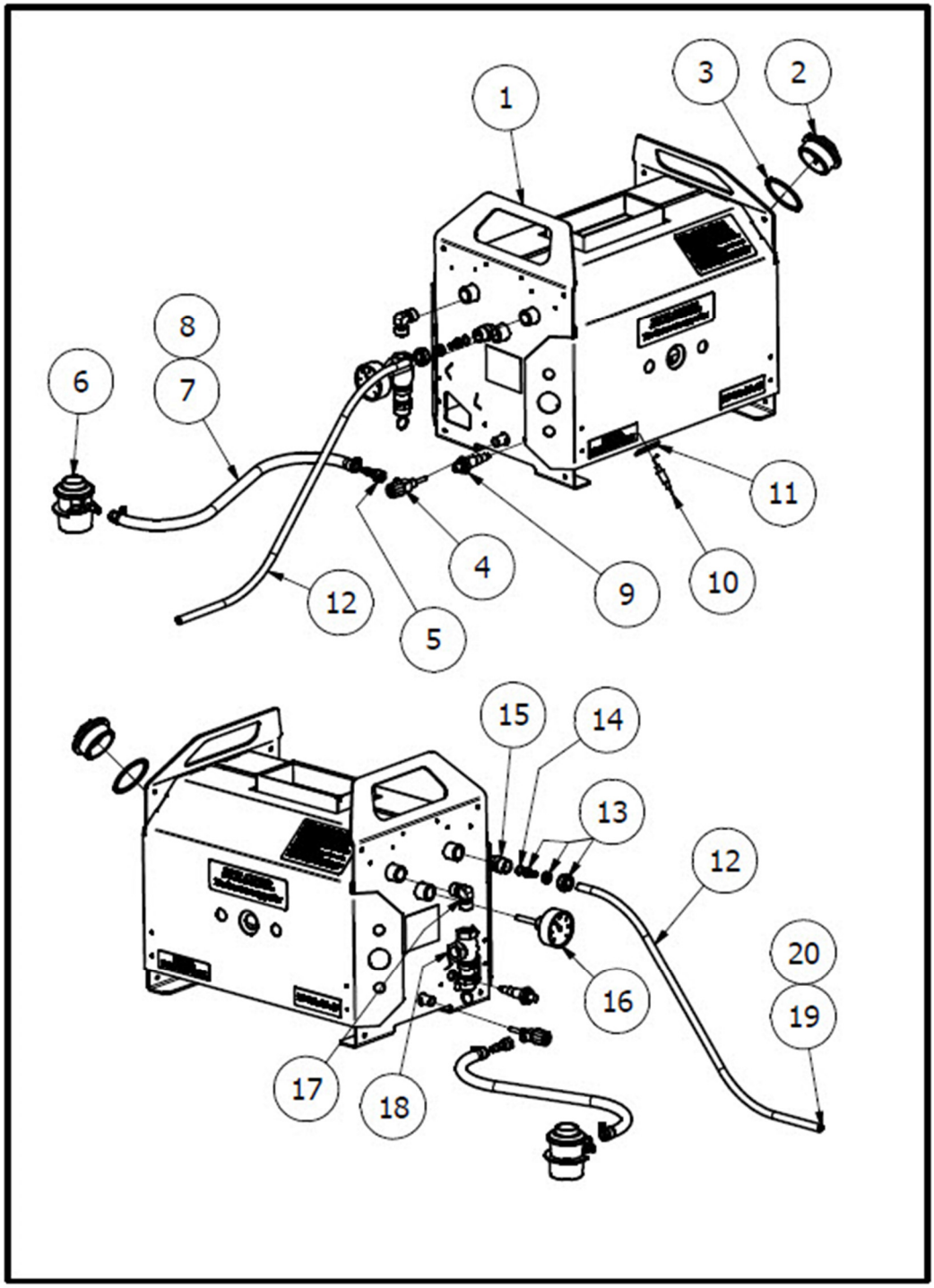
Neither the hose nor the device is damaged by water freezing in them.

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 25,5 kg
- **External dimensions (length x width x height):** 57x33x43 cm
- **Effect:** Approx 6000 W
- **Propane consumption:** Approx 0,6 kg/hour
- **Maximum amount of water:** 7 litre
- **Time for boiling (10-100°C):** 12-15 minutes
- **Usage time (7 liter water):** Approx 35 minutes
- **Hose:** PEX ø12x2,0 – length approx 16 metres
- **Materials in the device:** Stainless materials in all parts
- **Propane regulator:** Propane Clip on Regulator (30mbar – 2 kg/h) or Screw-on 30mbar POL regulator (1,5 kg/h)
- **Safety valve release pressure:** 0,5 bar

Exploded view:



REMEMBER:

- In the event of faults or defects in the device, the device must not 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 nr	Antall	Beskrivelse	Varenummer
1	1	Kropp komplett	10125-01
2	1	2" Plugg	10125-02
3	1	2" Tetningsring	10125-03
4	1	Gassventil med dyse	10125-04
5	1	Slangekobling	10125-05
6	1	Propan flaskeventil	10125-06
7	1	Propanslange	10125-07
8	2	Slangeklemme	10125-08
9	1	Tenner trykknapp	10125-09
10	1	Tenner elektrode med ledning	10125-10
11	1	Festeplate for elektrode	10125-11
12	1	PEX tinerør ø12x2,0 - 16 meter	10125-12
13	1	Rørmutter, komplett med klemring, hylse og O-ring	10125-13
14	1	O-ring	10125-14
15	1	Rørnippel ø12 - 1/2"	10125-15
16	1	Termometer med 1/2" hylse	10125-16
17	1	Vinkelnippel 1/2" - 1/2"	10125-17
18	1	Sikkerhetsventil	10125-18
19	1	Dyse	10125-19
20	1	Dysemutter	10125-20

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.

Visit www.td-teknikk.no **for more info and prices (in NOK - Norwegian kroner)**

STEAMER - A Norwegian product from

TD-Teknikk AS
Fagerstrandveien 109
N-1455 Nordre Frogn
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