

TGH 10 E / TGH 15 E / TGH 30 E

EN

ORIGINAL INSTRUCTIONS
GAS HEATER FAN



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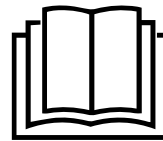
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You can download the current version of the instructions and the EU declaration of conformity via the following link:



TGH 10 E



<https://hub.trotec.com/?id=40945>

TGH 15 E



<https://hub.trotec.com/?id=40946>

TGH 30 E



<https://hub.trotec.com/?id=40947>

Notes regarding the instructions

Symbols



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.



Warning of hot surface

This symbol indicates dangers to the life and health of persons due to hot surface.



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Caution

This signal word indicates a hazard with a low risk level which, if not avoided, can result in minor or moderate injury.

Note

This signal word indicates important information (e.g. material damage), but does not indicate hazards.



Info

Information marked with this symbol helps you to carry out your tasks quickly and safely.



Follow the manual

Information marked with this symbol indicates that the instructions must be observed.

Safety

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!



Warning

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury.

Save all warnings and instructions for future reference.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.
- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.
- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter Technical data.
- Insert the mains plug into a properly secured mains socket.
- Observe the device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk!
- When positioning the device, observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical data chapter.
- Ensure a minimum distance of 3 m to combustible substances. Do not use the device in rooms where fuel, solvents, varnishes or other easily inflammable vapours are stored.
- Make sure that the air inlet and outlet are not obstructed.
- Do not place the device on combustible ground.
- Allow the device to cool down before transport and / or maintenance work.
- Protect the device from moisture, e.g. rain.
- Protect the gas cylinder from sub-zero temperatures also known as frost.
- Carefully inspect all connection points for tightness. Attention! Leak testing by way of naked flame is strictly forbidden!
- The exchange of gas cylinders is only permitted in an environment devoid of ignition sources.
- In case of gas leakage (smell) immediately close the gas cylinder's main valve and keep the device at a distance to any fire source.
- Never turn the gas cylinder over, even though it may seem empty! This could cause an obstruction in the hose with the remains from the gas cylinder and so lead to a fire hazard and immediate damage of the device.
- Do not twist the gas hose.
- Do not dismantle the protective grid and / or other device components.
- Do not position the gas cylinder in front of the device. Risk of fire and explosion!
- Only use the original gas hose and original spare parts.
- Keep fire extinguisher and first-aid kit on hand.

- Bear in mind, that you may have to meet different national requirements. Observe the local regulations regarding admissible deviations. In Germany consult the Technical Rules for Liquid Gas (TRF 2012) as well as the relevant accident prevention regulations (VBG and ZH 1/455).

Intended use

Only use the device TGH 10 E / TGH 15 E / TGH 30 E for generating hot air in well-ventilated interior spaces or in roofed outdoor areas protected from weather effects.

Do not use the device in windowless rooms below ground level.

Only use the device in rooms corresponding to the minimum dimensions specified in the technical data.

- The device is suited for heating large rooms such as tents, warehouses, workshops, construction sites, greenhouses or agricultural halls.
- The device may only be used in rooms with sufficient fresh air supply and exhaust discharge. The ventilation shaft must have a cross-section of at least 25 cm² per kW nominal heat output. It is determined based on the calorific value. The minimum ventilation cross-section amounts to 250 cm².
- It is intended to be used without frequent site changes.
- The device must only be fuelled by propane.

The device may only be used in certain countries of destination whilst adhering to the technical data.

Improper use


- **The device MUST NOT BE USED FOR HEATING HABITABLE ROOMS IN RESIDENTIAL BUILDINGS; FOR THE USE IN PUBLIC BUILDINGS: OBSERVE NATIONAL REGULATIONS.**
- The device must not be positioned or operated in areas with a high risk of fires or in potentially explosive atmospheres.
- Do not place the device on wet or flooded ground.
- Do not place any objects, e.g. clothing, on the device.
- Do not use the device out of doors, unless under a roof.
- The device must not be operated in rooms with an insufficient combustion air supply.
- The device must not be operated in rooms below ground level (souterrain or the like).
- Any unauthorised modifications, alterations or structural changes to the device are forbidden.
- Any operation other than as described in this manual is prohibited. Non-observance renders all claims for liability and guarantee null and void.

Personnel qualifications

People who use this device must:

- have read and understood the instructions, especially the Safety chapter.

Symbols on the device

| Symbols | Meaning |
|---|--|
|  | This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device. In order to avoid overheating and fire hazards, the heater must not be covered. |

Residual risks



Warning of electrical voltage

Work on the electrical components must only be carried out by an authorised specialist company!



Warning of electrical voltage

Before any work on the device, remove the mains plug from the mains socket!
Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning of explosive substances

Explosion hazard in case of leaking gas connections. If you smell gas, immediately close the valve at the gas cylinder and exit the room / area. Also notify the fire brigade.



Warning of hot surface

Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present!



Warning

Improper handling entails a risk of burning and electric shock.
Only use the device as intended!



Warning

Dangers can occur at the device when it is used by untrained people in an unprofessional or improper way!
Observe the personnel qualifications!



Warning

The device is not a toy and does not belong in the hands of children.



Warning

Risk of suffocation!
Do not leave the packaging lying around. Children may use it as a dangerous toy.

**Warning**

Improper installation entails a risk of fire.
Do not place the device on combustible ground.
Do not place the device on high-pile carpets.

**Warning**

In order to avoid overheating and fire hazards, the heater must not be covered.

**Warning**

Inhaling propane may cause damages to health. Ensure the tightness of all connections. Only use the device in well-ventilated spaces or out of doors.

**Warning**

Oxygen is consumed during the operation of the device. In smaller rooms this would result in an oxygen deficiency. Only use the device in well-ventilated spaces or out of doors.

**Warning**

There is a danger of suffocation and poisoning due to the carbon monoxide formed during unclean combustion and the lack of fresh air supply / ventilation.

Do not use the device in windowless basements or other spaces below ground level.

Only use the device in well-ventilated spaces or out of doors.

Do not leave the device running unattended.

Overheating protection

The device is provided with a safety thermostat which is activated by overheating of the device (when exceeding the operating temperature).

As a result, the gas supply will be interrupted. The fan keeps running.

The safety thermostat resets automatically when cooled down sufficiently, but the device will have to be restarted. Investigate the cause of overheating before switching the device back on.

Flame failure protection

The device comes equipped with a temperature sensor which ensures that the temperature stays above 430 °C. As soon as the device falls below this temperature the valve closes and interrupts the gas flow. This prevents an involuntary emission of unburnt gas. So long as the gas flame heats the sensor, the gas outlet is open. As soon as the flame dies, the gas flow will be interrupted.

Behaviour when having detected the smell of gas

If you suspect a gas leak, e.g. you smell gas, make sure to observe the instructions below:

- Do not actuate any electrical switches! Do not switch on the light!
- Do not use a phone – corded, wireless or mobile – in the danger area.
- Do not use naked flames or other open sources of ignition, e.g. a lighter or match. Do not smoke!
- Immediately close the gas cylinder's main valve by turning the gas cock clockwise.
- Open all doors and windows to ensure a sufficient fresh air supply.

Behaviour in the event of an emergency

1. Turn the gas off at the main valve.
2. Quickly leave the danger area. Remove other persons from the danger area.
3. Notify the fire brigade.

Information about the device

Device description

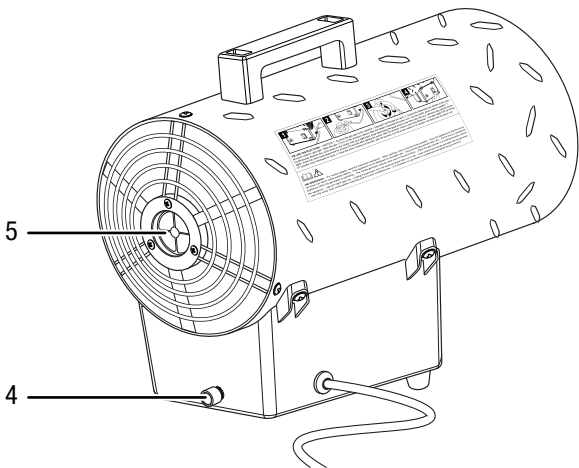
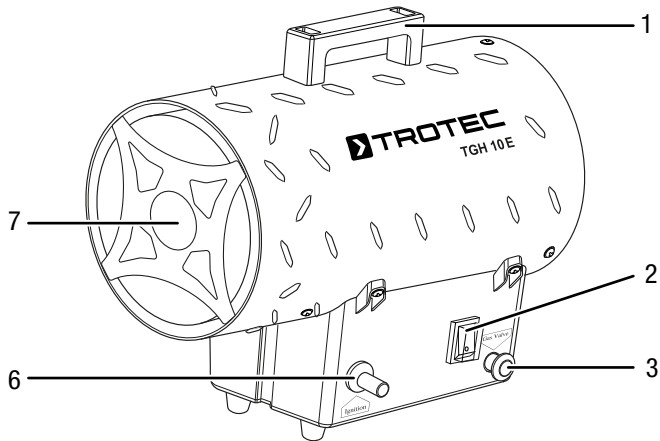
The device TGH 10 E / TGH 15 E / TGH 30 E was developed for the purpose of generating hot air and may only be used in roofed over outdoor areas or in well-ventilated interior spaces whilst adhering to the technical data.

The device generates heat by burning propane. The fan sucks in the ambient air and feeds it through the combustion area. In this area the supplied gas is burnt under controlled conditions and the warm air discharged through the air outlet.

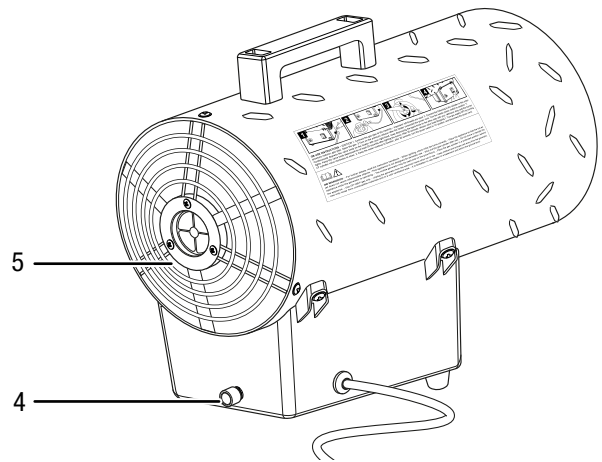
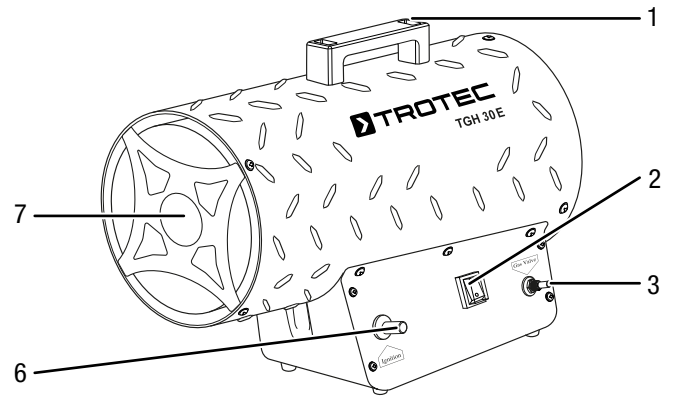
The device comes equipped with a piezo igniter for lighting the torch.

Device depiction

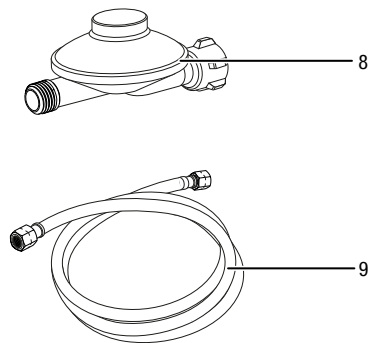
TGH 10 E / TGH 15 E



TGH 30 E



Accessories TGH 10 E / TGH 15 E / TGH 30 E



| No. | Designation |
|-----|---------------------------------|
| 1 | Transport handle |
| 2 | On/off switch |
| 3 | Gas valve push button |
| 4 | Gas hose connection |
| 5 | Air inlet |
| 6 | Ignition button (piezo igniter) |
| 7 | Air outlet |
| 8 | Pressure reducer |
| 9 | Gas hose |

Transport and storage

Note

If you store or transport the device improperly, the device may be damaged.

Note the information regarding transport and storage of the device.

Transport

To make the device easier to transport, it is fitted with a transport handle.

Before transporting the device, observe the following:

- Switch off the device.
- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Do not use the power cable to drag the device.
- Do not use the gas hose to drag the device.
- Allow the device to cool down sufficiently.
- Close the valve at the gas cylinder and disconnect the gas hose.
- Transport gas cylinder and device separately.

After transporting the device, observe the following:

- Please observe the information for device set-up:
- Re-connect the gas hose and carry out a leak test (see chapter Assembly and installation).

Storage

Before storing the device, proceed as follows:

- Close the valve at the gas cylinder and disconnect the gas hose.
- Allow the device to cool down sufficiently.

When the device is not being used, observe the following storage conditions:

- dry
- under roof
- in an upright position where it is protected from dust and direct sunlight
- with a cover to protect it from invasive dust, if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.
- Store gas cylinder and device separately.
- The storage temperature is the same as the range given for the operating temperature in the technical data.

Assembly and installation

Scope of delivery

- 1 x Device
- 1 x Gas hose, class 2, 6.3 mm, 10 bar, length: 1.5 m
- 1 x Pressure reducer 700 mbar, suitable for gas cylinders from Germany, Austria, Belgium, the Netherlands and Poland
- 1 x Transport handle
- 2 x Screw
- 2 x Washer
- 1 x Manual

Unpacking the device

1. Open the cardboard box and take the device out.
2. Completely remove the packaging.
3. Fully unwind the power cable. Make sure that the power cable is not damaged and that you do not damage it during unwinding.

Assembly

Use tools suitable for the intended task.

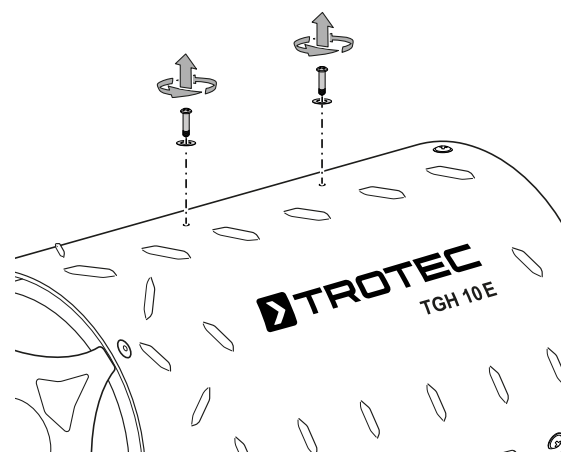
Mounting the transport handle

Prior to initial start-up, the transport handle must be attached to the device.

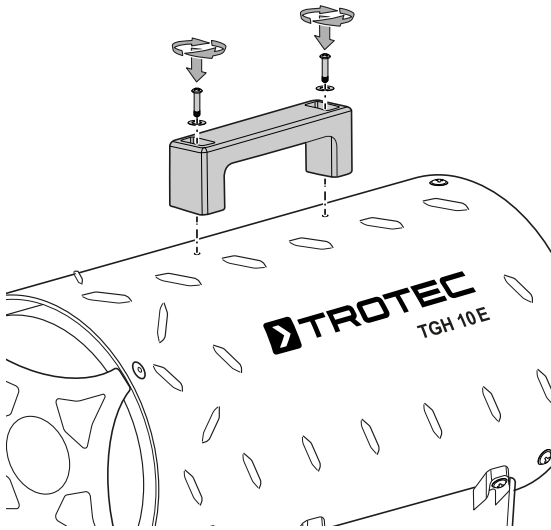
The procedure is identical for the devices TGH 10 E / TGH 15 E / TGH 30 E.

To do so, please proceed as follows:

1. Loosen the two screws and the two washers from the top of the housing.



2. Use the screws and washers to mount the transport handle.



Connecting the gas cylinder



Info

Use tools suitable for the intended task. Make sure not to damage the valve seal. Damage could lead to a point of leakage at the gas connection. And leaks connote an explosion hazard!



Info

The pressure reducer included in the scope of delivery is only suitable for gas cylinders from the following countries of destination: Germany, Austria, Belgium, the Netherlands and Poland. For all other countries of destination, a suitable pressure reducer must be purchased separately.

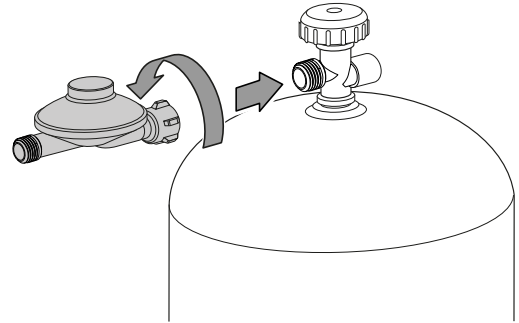


Info

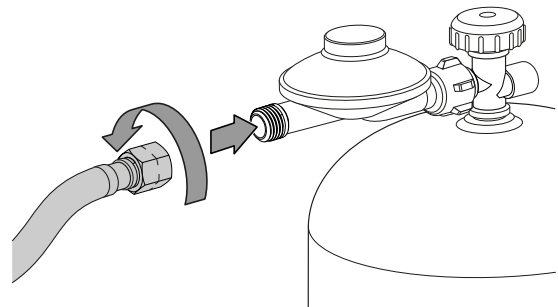
Once assembled, do not turn the pressure reducer! Rotating the pressure reducer after completed assembly could cause damage to the valve seal at the gas cylinder. Damage could lead to a point of leakage at the gas connection. And leaks connote an explosion hazard!

If you transported the gas cylinder, let it rest for about 1 hour in an upright position before connecting it. That way, the particles that are harmful to the environment have time to settle at the bottom.

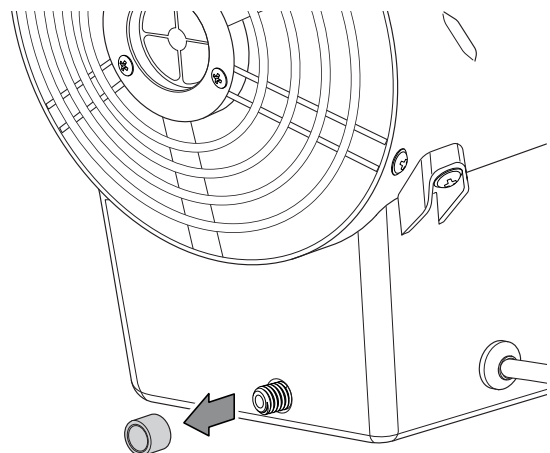
1. First connect the pressure reducer to the gas cylinder. To do so, screw the union nut of the pressure reducer in a counter-clockwise motion onto the thread of the gas cylinder.



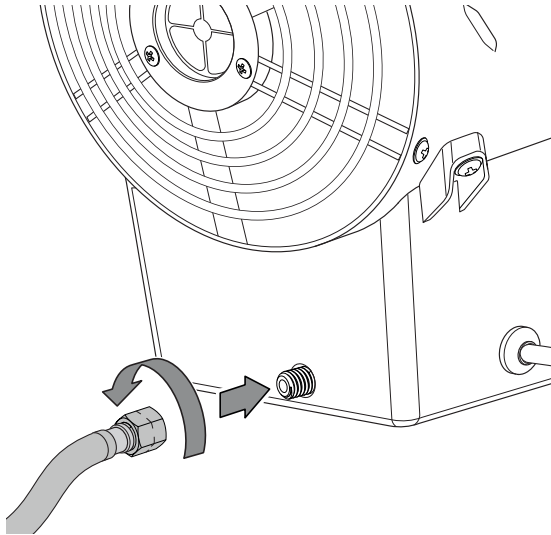
2. Connect one end of the gas hose to the pressure reducer. For this purpose, screw the union nut of the gas hose onto the external thread of the pressure reducer by turning it counter-clockwise. Use an open-end wrench of size SW 17 or SW 19 to do so. Please note that the gas hose must not be kinked or twisted.



3. Remove the protective cap from the hose connection at the device.



4. Connect the other end of the gas hose to the hose connection of the device. For this purpose, screw the union nut of the gas hose onto the gas connection of the device by turning it counter-clockwise. Use an open-end wrench of size SW 17 or SW 19 to do so.



Start-up



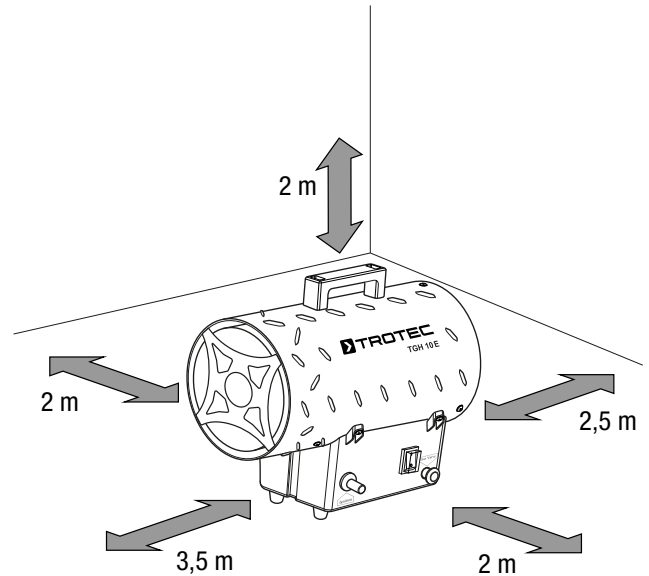
Info

Odours might arise upon initial start-up or after a longer period of non-use. There might be a passing smell of burnt material.

A smell of gas however indicates a leak at the gas connection that must be remedied immediately. Otherwise there is an explosion hazard!

A number of spatial and technical conditions have to be considered for the selection of the device's installation site. Non-observance may impair the proper functioning of the device or the accessories or can entail risks of personal injury and property damage.

Only use the device in rooms corresponding to the minimum dimensions specified in the Technical data chapter. When positioning the device, observe the minimum distance from walls or other objects as described in the Technical data chapter.



- For outdoor application, the device may only be used when located under a roof.
- The device is to be set up in a stable position on incombustible ground.
- The room where the device is positioned must be sufficiently ventilated. The ventilation shaft must have a cross-section of at least 25 cm² per kW nominal heat output. It is determined based on the calorific value.
- Do not use the device in windowless basements or other spaces below ground level.
- The inlet and outlet openings must not be covered.
- Never direct the air outlet towards the gas cylinder.
- There must be no walls or large objects near the device.
- There must be a sufficient number of fire extinguishers available.
- Before restarting the device, check the condition of the power cable. If there are doubts as to the sound condition, contact the customer service.
- Do not create tripping hazards when laying the power cable or other electric cables, especially when positioning the device in the middle of the room. Use cable bridges.
- Make sure that extension cables are completely unrolled.
- Make sure that the device cannot come into contact with moisture or water.

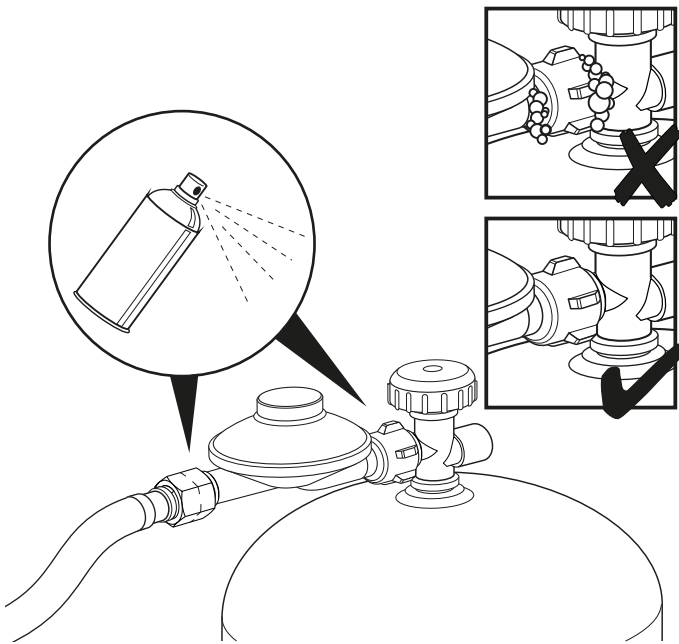
Leak testing

Note

A leak test can only be performed when the device is cold.

Prior to initial start-up and before every new start-up operation the gas connection needs to be checked for tightness in the first instance. Use a spray bottled filled with soap water (water/soap mixing ratio 3:1, approx. 50 ml) or a suitable leak detector spray.

1. Open the valve at the gas cylinder.
2. Spray some of the soap water onto the connection points.
 - ⇒ A formation of bubbles indicates leakage.



3. Turn the gas off again using the valve.
4. Use a clean cloth to wipe the connection faces dry.
5. (Re-)Tighten any leaking connections.
6. Repeat the tightness test until no more bubbles appear and the connections are sealed tightly.
7. If the leak cannot be eliminated in this manner, gas hose and pressure reducer need to be replaced.



Info

After having assembled a new gas hose and pressure reducer again check the gas connection for tightness. This is the only way to reliably rule out leakage at the gas connection.

Connecting the power cable

- Plug the mains plug into a sufficiently fused mains socket.
- Make sure that the power cable is guided along the back of the device. Never guide the power cable along the front of the device!

Operation



Info

Ensure the tightness of all connections. Make sure that the fan operates properly. The device must not be taken into operation unless these conditions are met!

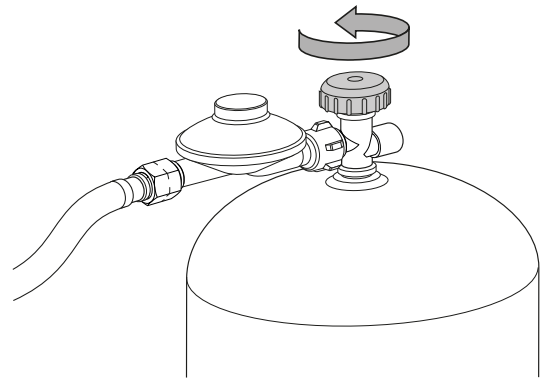
Switching the device on

Once you have completely installed the device as described in the Start-up chapter, you can switch it on.

Note

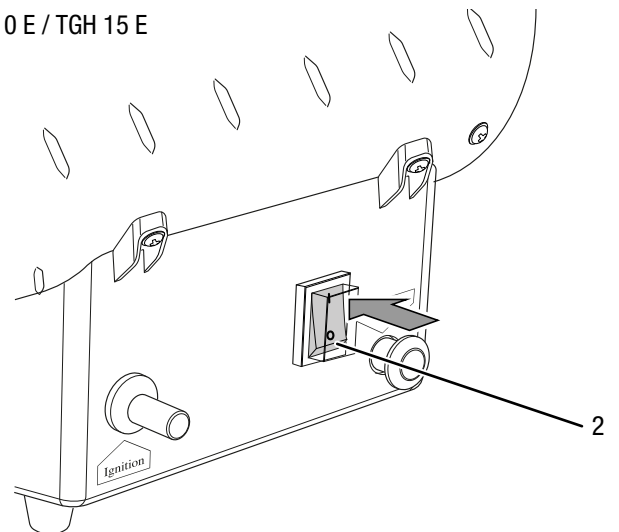
The fan must be running during operation. An idle fan during operation might lead to overheating.

1. Open the valve at the gas cylinder.

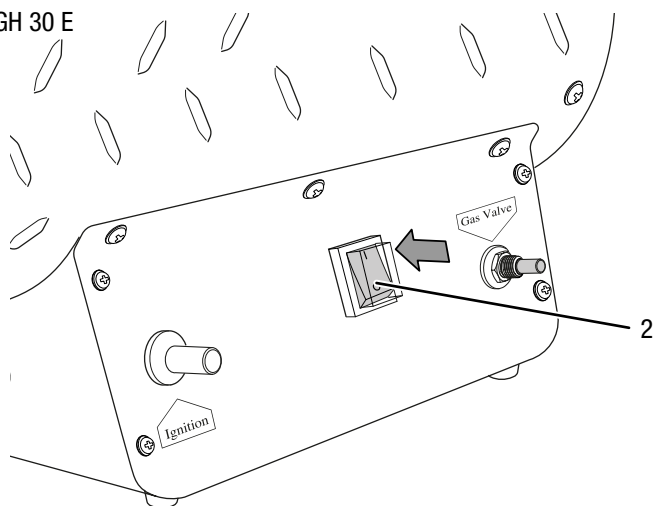


2. Switch on the fan by setting the on/off switch (2) to position I.

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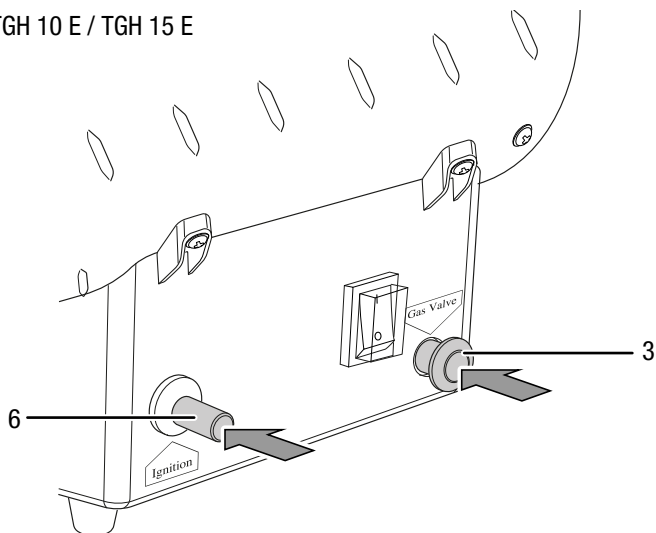
TGH 30 E



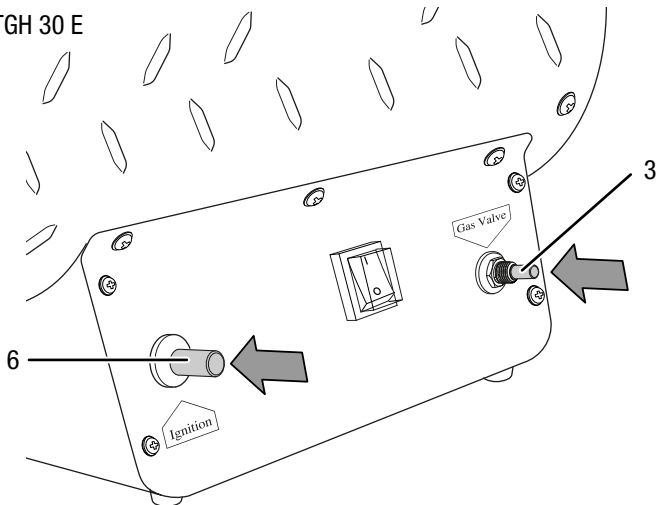
⇒ The on/off switch (2) will be illuminated in red.

3. Leave the fan running for approx. 30 s.
4. Press and hold the push button for the gas valve (3) while actuating the ignition button (6).

TGH 10 E / TGH 15 E



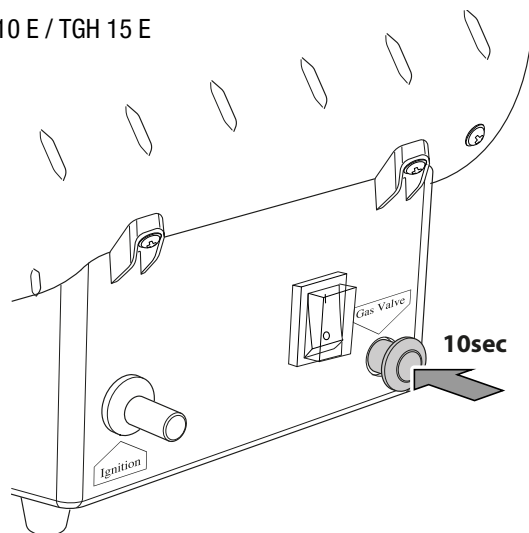
TGH 30 E



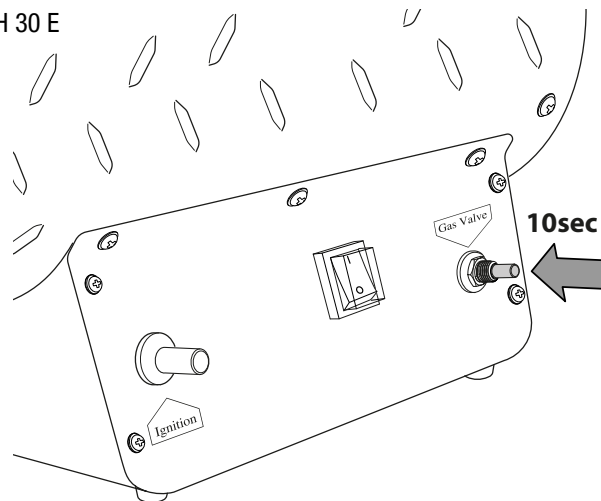
5. It may be necessary to actuate the ignition button (6) repeatedly before the gas catches fire.

6. Hold onto the gas valve push button (3) for roughly another 10 s after the ignition has been successful.

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7. Then let go of the button (3).
 - ⇒ The combustion itself is an automatically controlled process.



Info

Excessive temperature trips the overheating protection which in turn interrupts the gas supply. If the flame dies, the flame failure protection kicks in which also interrupts the gas supply.

If the device switches off upon releasing the gas valve push button (3), please proceed as follows:

1. Keep the fan running for approx. 1 minute to let the gas escape completely.
2. Repeat the ignition process as described above.



Info

If you experience difficulties in lighting the torch, check the air current.

Make sure that the fan is not blocked.

Make sure that air inlet and outlet are not obstructed.

If you use the device for an extended period of time, excessive evaporation may cause a fine film to settle on the gas cylinder.



Info

Never direct the air outlet towards the gas cylinder!
Do not position the gas cylinder in front of the device!
Risk of fire and explosion!

1. Replace the gas cylinder with a new one or use a larger gas cylinder.

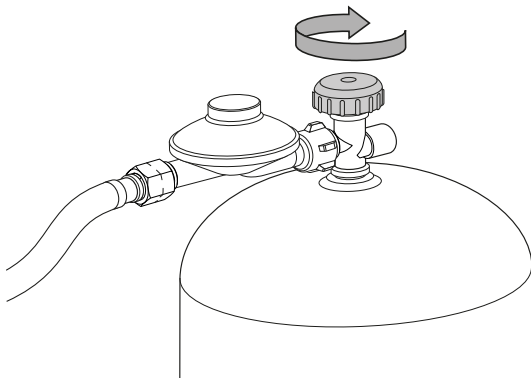
Using the device as fan

You may also use the device as a fan for air circulation.

1. Make sure that the device is not connected to the gas supply. The gas connection is rendered redundant during the ventilation operation.
 2. Remove the gas hose as appropriate.
 3. Switch on the fan by setting the on/off switch (2) to position I.
- ⇒ The device now operates as fan.

Shutdown

1. Tightly close the valve at the gas cylinder.



⇒ The flame goes out after a little while.

2. Keep the fan running for 3 minutes before switching the device off.
3. Set the on/off switch (2) to position 0.
4. Hold onto the mains plug while pulling the power cable out of the mains socket.
5. Allow the device to cool down completely.
6. Disconnect the pressure reducer from the gas cylinder.
7. Loosen the hose connections at device and pressure reducer.
8. Clean the device according to the Maintenance chapter.
9. Store the device according to the Storage chapter.

Errors and faults



Warning of electrical voltage

Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

The device has been checked for proper functioning several times during production. If malfunctions occur nonetheless, check the device according to the following list.

The fan does not start:

- Check whether the device is switched on. The on/off switch (2) should be set to I.
- Check the power connection.
- Check the power cable and mains plug for damages.
- Check the on-site fusing.
- Check whether the overheating protection has tripped, see chapter Safety.
- The fan motor might be defective. Have a defective fan motor replaced by a specialist electrical company.
- There might be a fault in the circuitry. Have the electrical system checked by a specialist electrical company.

The fan is running, but the gas fails to ignite:

- Check whether the device is switched on.
- Check whether the connection line is properly connected.
- Make sure that the valve at the gas cylinder is open.
- Perhaps the gas cylinder is empty and needs to be replaced.
- The ignition electrode may be dirty or positioned incorrectly. Have a specialist electrical company check the ignition electrode.

The fan is running, the gas is ignited, but the flame dies after a little while:

- Check whether the gas hose is properly connected.
- Perhaps the gas cylinder is empty and needs to be replaced.
- There might be a defect at the sensors or another part of the circuitry. Have the electrical system checked by a specialist electrical company.

The flame goes out during operation:

- Check whether the overheating protection has tripped, see chapter Safety.
- Check whether the flame failure protection has tripped, see chapter Safety.
- Perhaps the gas cylinder is empty and needs to be replaced.
- The pressure reducer might be defective causing an excessive gas supply. Replace the pressure reducer.
- Insufficient gas supply due to icing on the gas cylinder. Perhaps use a gas cylinder with a higher output rate, see gas consumption in the Technical data chapter.
- The supplied amount of combustion air might be insufficient. Check the air inlet for obstructions and whether the fan operates properly. If there is a problem with the fan, have it checked by a specialist electrical company.

The flame is too high:

- Too much gas is emitted. The pressure reducer might be defective and needs to be replaced.

The device is loud or vibrates:

- Check whether the device is set up in a stable and upright position.

Note

Wait for at least 3 minutes after maintenance and repair work. Only then switch the device back on.

Your device still does not operate correctly after these checks?

Please contact the customer service. If necessary, bring the device to an authorized specialist electrical company or to Trotec for repair.

Maintenance

Have a specialist electrical company check the device for proper functioning once a year. The same shall apply, when taking the device back into operation after having stored it for a longer period of time.

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Switch the device off.
- Hold onto the mains plug while pulling the power cable out of the mains socket.



Warning of electrical voltage

Tasks which require the housing to be opened must only be carried out by authorised specialist companies or by Trotec.

Cleaning the housing

Clean the housing with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Wipe the housing dry after cleaning.

Cleaning the inside of the device

If required, blow the device interior out with compressed air to remove slight contamination such as dust deposits.

Leak testing

Tightness tests ought to be performed at regular intervals and after extended idle times (see Start-up chapter).

Provisions to be made in case the device has to be left unattended without safeguards

If the device has to be left unattended without safeguards, protect the device against unauthorized use, e.g. by fencing in the gas cylinders.

Leave the premises and repair to open space.

Warn others.

Technical annex
Technical data

| Parameter | Value | | |
|--|---|---|---|
| Model | TGH 10 E | TGH 15 E | TGH 30 E |
| Heating capacity | 10 kW | 15 kW | 30 kW |
| Gas consumption | 730 g/h | 1,090 g/h | 2,180 g/h |
| Type of gas | Propane | Propane | Propane |
| Operating pressure | 0.7 bar | 0.7 bar | 0.7 bar |
| Gas cylinder capacity | ≤ 33 kg | ≤ 33 kg | ≤ 33 kg |
| Air flow rate | 580 m ³ /h | 580 m ³ /h | 1000 m ³ /h |
| Air outlet temperature (1.5 m distance) | 84.5 °C | 79.5 °C | 75.6 °C |
| Operating range | -15 °C to +30 °C | -15 °C to +30 °C | -15 °C to +30 °C |
| Sound pressure level (1 m distance) | 48 dB(A) | 48 dB(A) | 65 dB(A) |
| Mains connection | 220-240 V / 50Hz | 220-240 V / 50Hz | 220-240 V / 50Hz |
| Max. power input | 10 kW | 15 kW | 30 kW |
| Nominal current consumption | 0.33 A | 0.33 A | 0.32 A |
| Protection class | I | I | I |
| Plug type | CEE 7/4 | CEE 7/4 | CEE 7/4 |
| Cable length | 1.6 m | 1.6 m | 1.6 m |
| Dimensions (depth x width x height) | 380 x 190 x 305 (mm) | 380 x 190 x 305 (mm) | 475 x 225 x 360 (mm) |
| Weight | 4 kg | 4 kg | 6 kg |
| Overheating protection | 95 °C | 80 °C | 75 °C |
| Ignition head | Piezo igniter | Piezo igniter | Piezo igniter |
| Flame failure protection | x | x | x |
| Minimum distance to walls and other objects | top: 2 m rear: 2.5 m sides: 2 m front: 3.5 m | 2 m 2.5 m 2 m 3.5 m | 2 m 2.5 m 2 m 3.5 m |
| Min. room size | 100 m ³ | 150 m ³ | 300 m ³ |
| Min. ventilation cross-section | 250 cm ³ | 375 cm ³ | 750 cm ³ |
| Pressure reducer | 700 mbar The pressure reducer included in the scope of delivery is only suitable for gas cylinders from the following countries of destination: Germany, Austria, Belgium, the Netherlands and Poland. | 700 mbar The pressure reducer included in the scope of delivery is only suitable for gas cylinders from the following countries of destination: Germany, Austria, Belgium, the Netherlands and Poland. | 700 mbar The pressure reducer included in the scope of delivery is only suitable for gas cylinders from the following countries of destination: Germany, Austria, Belgium, the Netherlands and Poland. |

| Parameter | Value | | |
|------------------------|---|---|---|
| Country of destination | Austria, Belgium, Switzerland, Czech Republic, Germany, Denmark, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, the Netherlands, Norway, Poland, Slovakia | Austria, Belgium, Switzerland, Czech Republic, Germany, Denmark, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, the Netherlands, Norway, Poland, Slovakia | Austria, Belgium, Switzerland, Czech Republic, Germany, Denmark, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, the Netherlands, Norway, Poland, Slovakia |
| Equipment category | I3B/P | I3B/P | I3B/P |

Disposal



The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration. For further return options provided by us please refer to our website www.trotec24.com.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.

Declaration of conformity

The text below sets out the contents of the declaration of conformity. The signed declaration of conformity can be found at <https://hub.trotec.com/?id=40945>.

Declaration of conformity

In accordance with the EC Machinery Directive 2006/42/EC,
Annex II, part 1, Section A

Herewith, we – Trotec GmbH & Co. KG – declare that the machinery designated below was developed, constructed and produced in compliance with the requirements of the EC Machinery Directive in the version 2006/42/EC.

Product model / product: TGH 10 E, TGH 15 E, TGH 30 E

Product type: gas heater fan

Year of manufacture as of: 2017

Relevant EU directives:

- 2011/65/EU: 1 July 2011
- 2014/30/EU: 29 March 2014
- EU 2016/426

Applied harmonised standards:

- BS EN 1596:1998+A1:2004
- EN 55014-2:2015
- EN 55014-1:2017
- EN 60335-1:2012
- EN 60335-1:2012/A11:2014
- EN 60335-2-102:2016
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 62233:2008

Applied national standards and technical specifications:

- EN 60335-1/A13:2018-07

Conformity assessment procedure

TÜV Rheinland InterCert Kft.

Notified body 1008

Manufacturer and name of the authorised representative of the technical documentation:

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Place and date of issue:

Heinsberg, 11.04.2017

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