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- › [TROTEC](#) /
- › [TROTEC IRO 15 Infrared Oil Heater Instruction Manual](#)

TROTEC IRO 15

TROTEC IRO 15 Infrared Oil Heater Instruction Manual

Model: IRO 15 (Type 1430000310)

1. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before operating the TROTEC IRO 15 Infrared Oil Heater. Failure to follow these instructions may result in fire, electric shock, injury, or property damage. Keep this manual for future reference.

- **Ventilation:** This heater must be used outdoors under cover or in well-ventilated indoor areas. Ensure adequate air circulation to prevent oxygen depletion.
- **Fuel:** Use only approved fuel types as specified by the manufacturer. Do not use gasoline or other highly flammable liquids.
- **Overheat Protection:** The unit is equipped with a safety thermostat and overheat protection. If the heater overheats, it will automatically shut off. Allow it to cool down before restarting.
- **Clearance:** Maintain a safe distance from combustible materials (e.g., curtains, furniture, paper). Refer to local regulations for specific clearance requirements.
- **Placement:** Place the heater on a stable, level, non-combustible surface. Do not operate on uneven surfaces.
- **Children and Pets:** Keep children and pets away from the heater during operation and while it is cooling down.
- **Electrical Connection:** Ensure the power supply matches the voltage requirements of the heater. Do not use damaged power cords or plugs.
- **Maintenance:** Disconnect the power supply and allow the heater to cool completely before performing any maintenance or cleaning.

2. PRODUCT OVERVIEW

The TROTEC IRO 15 is a 20 kW infrared oil heater designed to provide efficient radiant heat. It operates by emitting light waves, directly heating objects and surfaces without circulating air. This method prevents dust from being stirred up, making it suitable for dusty environments or for drying applications like paint and varnish.



Figure 2.1: Front view of the TROTEC IRO 15 Infrared Oil Heater, showing the radiant heating element.

Key Features:

- Infrared radiation heats directly.
- Heats without stirring up dust and operates silently.
- Equipped with a safety thermostat and overheat protection.
- Portable design for easy relocation.
- Suitable for outdoor covered areas or well-ventilated indoor spaces.

3. SETUP

1. **Unpacking:** Carefully remove the heater from its packaging. Inspect for any signs of damage. Retain packaging for storage or transport.

2. **Placement:** Position the heater on a firm, level surface in a well-ventilated area. Ensure sufficient clearance from walls, ceilings, and any combustible materials.

3. **Fueling:**



Figure 3.1: Fueling the TROTEC IRO 15 heater. Use a funnel to prevent spills.

Open the fuel cap and carefully pour the appropriate fuel (e.g., heating oil, diesel) into the tank. Do not overfill. Ensure the fuel cap is securely closed after fueling.

4. **Power Connection:** Connect the power cord to a suitable grounded electrical outlet. Ensure the voltage matches the heater's requirements (100 Volts).

4. OPERATING

1. **Starting the Heater:** Ensure the heater is properly fueled and connected to power. Turn the power switch to the 'ON' position. The heater should ignite and begin producing heat.
2. **Adjusting Heat Output:** The IRO 15 typically operates at a fixed output of 20 kW. There are no user-adjustable heat settings.
3. **Monitoring Operation:** Observe the heater during initial operation to ensure it is functioning correctly. The LED display (if present) may show operational status.

4. **Shutting Down:** To turn off the heater, switch the power button to the 'OFF' position. Allow the unit to cool down completely before moving or storing.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your TROTEC IRO 15 heater. Always disconnect the power supply and allow the heater to cool completely before performing any maintenance.

- **Cleaning:** Wipe the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the heating element and air intake/exhaust areas are free from dust and debris.
- **Fuel Filter Check:** Periodically inspect the fuel filter for blockages or contamination. Clean or replace the filter as necessary to ensure proper fuel flow.



Figure 5.1: Location of the fuel filter, which should be checked periodically.

- **Storage:** When not in use for extended periods, ensure the fuel tank is empty or filled with fresh fuel. Store the heater in a dry, protected area, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your TROTEC IRO 15 heater, refer to the following common problems and solutions:

- **Heater does not start:**

- Check if the power cord is securely plugged in.
- Verify that the power outlet is functional.
- Ensure there is sufficient fuel in the tank.
- Check if the safety thermostat has tripped due to overheating. Allow the unit to cool.

- **No heat output:**

- Confirm the heater is running and the heating element is glowing.
- Check the fuel level and fuel filter for blockages.

- **Unusual odors or smoke:**

- Immediately turn off the heater and disconnect power.
- Ensure proper ventilation.
- Check for any foreign objects near the heating element.
- If the issue persists, contact customer support.

For problems not listed here, or if troubleshooting steps do not resolve the issue, please contact TROTEC customer support.

7. SPECIFICATIONS

The following table outlines the technical specifications for the TROTEC IRO 15 Infrared Oil Heater:

Specification	Value
Brand	TROTEC
Model Number	1430000310
Color	Black
Product Dimensions (L x W x H)	57.5 x 34 x 63.5 cm
Weight	0.5 kg (500 grams)
Power Output	20 kW
Electrical Power Consumption	100 Watts
Voltage	100 Volts
Material	Metal
Energy Class	A to G
Special Feature	Portable
Heating Method	Radiant

Specification	Value
Indoor/Outdoor Use	Outdoor / Well-ventilated Indoor
Power Source	Gas-powered (Oil/Diesel)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts availability, please contact TROTEC customer service directly. Refer to the official TROTEC website or your purchase documentation for contact details and specific warranty terms applicable to your region.

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