

SAUNIER DUVAL Opalia

Saunier Duval Opalia 11L Open Chamber Methane Gas Water Heater User Manual

Model: Opalia (Part Number: 400-SO11CE-M)

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Saunier Duval Opalia 11L Open Chamber Methane Gas Water Heater. Please read these instructions carefully before installation, use, or maintenance. Keep this manual in a safe place for future reference.

The Saunier Duval Opalia is an instantaneous gas water heater designed to provide hot water on demand. It features an electronic ignition plate, smoke safety sensor, diaphragm valve, flow sensor, and controls for temperature and power regulation.

2. SAFETY INFORMATION

Important: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

2.1 General Safety Precautions

- Installation and servicing must be performed by a qualified professional in accordance with all local codes and regulations.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Ensure adequate ventilation for the appliance. An open chamber appliance requires sufficient air supply for combustion.
- Never block or obstruct the air inlets or exhaust outlets of the appliance.
- If you smell gas, immediately shut off the gas supply, open windows and doors, and evacuate the premises. Do not operate electrical switches or phones. Contact your gas supplier or a qualified technician from a safe

location.

- Keep children away from the appliance.

2.2 Electrical Safety

- Ensure the appliance is properly grounded.
- Do not touch the appliance with wet hands.

3. SETUP AND INSTALLATION

Installation of the Saunier Duval Opalia water heater must be carried out by a qualified and certified technician. This section provides an overview; detailed installation instructions are provided in the separate installation guide for professionals.

3.1 Unpacking

- Carefully remove the water heater from its packaging.
- Inspect the appliance for any signs of damage during transit. Report any damage to the supplier immediately.
- Ensure all components listed in the packing list are present.

3.2 Mounting Location

- The appliance must be installed in a well-ventilated area, away from flammable materials.
- Ensure sufficient clearance around the unit for servicing and proper air circulation.
- The wall must be capable of supporting the weight of the water heater (20 kg).

3.3 Connections

All connections (gas, cold water inlet, hot water outlet, and flue gas exhaust) must be made by a qualified technician according to local regulations and manufacturer guidelines.

- **Gas Connection:** Connect to a methane gas supply. Ensure all gas connections are leak-tested.
- **Water Connections:** Connect the cold water inlet and hot water outlet pipes. Ensure proper sealing to prevent leaks.
- **Flue Gas Exhaust:** The flue system must be correctly installed to safely vent combustion products to the outside.



Figure 1: Simplified installation diagram. This image illustrates the typical connection points for gas, water, and flue on the Saunier Duval Opalia water heater. A qualified technician should refer to the detailed installation manual for precise instructions.

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Video 1: Professional Installation Overview. This video provides a general overview of the installation process for the Saunier Duval Opalia gas water heater, intended for qualified installers. It covers key steps such as mounting, connecting gas and water lines, and flue system setup.

4. OPERATING INSTRUCTIONS

The Saunier Duval Opalia water heater features intuitive touch controls for easy operation.

4.1 Initial Start-up (by Qualified Technician)

- After installation, the technician will purge air from the gas and water lines.
- The technician will check for gas leaks and proper flue operation.
- The appliance will be tested to ensure correct ignition and hot water production.

4.2 Turning On/Off

- To turn on the appliance, ensure the gas supply is open and the water heater is connected to power. The electronic ignition system will automatically ignite the burner when hot water is demanded.
- To turn off the appliance for extended periods, close the main gas supply valve and disconnect the power. For temporary shutdown, simply close the gas supply valve.

4.3 Temperature and Power Regulation

The Saunier Duval Opalia features touch controls for adjusting the water temperature and power output.

- Locate the control panel on the front of the unit.
- Use the temperature adjustment controls (typically '+' and '-' buttons or a rotary knob) to set your desired hot water temperature.
- The power regulator allows you to adjust the heat output, which can influence the flow rate at a given temperature. Refer to the display for current settings.



Figure 2: Control Panel. This image displays the touch control panel of the Saunier Duval Opalia water heater, highlighting the temperature and power adjustment buttons, and the digital display.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your Saunier Duval Opalia water heater. All maintenance involving internal components or gas connections must be performed by a qualified technician.

5.1 User Maintenance

- **Exterior Cleaning:** Clean the exterior casing with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Ventilation Check:** Periodically ensure that the air inlets and exhaust outlets are clear of obstructions.

5.2 Professional Servicing

It is highly recommended to have your water heater inspected and serviced by a qualified technician at least once a year. This service typically includes:

- Checking gas connections and pressure.
- Inspecting the burner and heat exchanger for wear or damage.
- Cleaning the combustion chamber and flue system.
- Checking the smoke safety sensor and other safety devices.
- Descaling the heat exchanger if necessary, especially in hard water areas, to prevent issues like those caused by calcification.
- Verifying proper operation of the electronic ignition and control systems.

6. TROUBLESHOOTING

Before calling for service, please review the following common issues and solutions. For complex problems, always contact a qualified technician.

6.1 No Hot Water

- **Check Gas Supply:** Ensure the main gas valve to the appliance is open.
- **Check Water Flow:** Ensure there is sufficient water flow through the hot water tap. The appliance requires a minimum flow rate to activate.
- **Check Power:** Verify the appliance is receiving electrical power for the electronic ignition.
- **Error Codes:** Check the display for any error codes and refer to the technician's manual for their meaning.

6.2 Insufficient Hot Water Temperature

- **Adjust Temperature Setting:** Increase the temperature setting using the control panel.
- **Reduce Flow Rate:** If the water flow is too high, the appliance may not be able to heat it sufficiently. Try reducing the flow at the tap.
- **Check for Scale Buildup:** Limescale buildup in the heat exchanger can reduce efficiency. Professional descaling may be required.

6.3 Appliance Not Igniting

- **Gas Supply:** Confirm gas is flowing to the unit.
- **Water Flow:** Ensure adequate water flow to trigger the flow sensor.
- **Ignition Electrode:** The ignition electrode might be dirty or faulty. This requires professional inspection.
- **Smoke Safety Sensor:** If the flue is blocked or ventilation is insufficient, the smoke safety sensor may prevent ignition. Ensure proper ventilation.

7. SPECIFICATIONS

Feature	Specification
Brand	Saunier Duval
Model Name	Opalia
Part Number	400-SO11CE-M
Capacity	11 Liters
Fuel Type	Methane Gas
Chamber Type	Open Chamber
Dimensions (H x W x D)	57.3 x 31 x 22 cm (22.56 x 12.2 x 8.66 inches)
Item Weight	20 kg (44.1 lbs)
Material	Stainless Steel

Feature	Specification
Finish Type	Polished
Control Type	Touch
Form Factor	Freestanding

8. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the warranty card included with your appliance or visit the official Saunier Duval website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or to schedule professional servicing, please contact your local authorized Saunier Duval service center or the retailer from whom you purchased the product. Contact information can typically be found on the manufacturer's website or in the product documentation.