



DOMETIC 8510-OF Universal Overflow Regulator Instruction Manual

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DOMETIC 8510-OF Universal Overflow Regulator



Product Specifications

- Product Name: Universal Overflow Regulator
- Product Code: 8510-OF
- Gas Type: LPG
- Inlet Pressure: 0.3-16 bar
- Overflow Limiter: Yes
- Leak and Level Indicator: Yes
- Capacity: 0.8kg/h

Frequently Asked Questions

Q: Can this regulator be used with propane gas?

A: No, this regulator is designed for use with LPG only.

Q: How often should I check for leaks in the system?

A: It is recommended to check for leaks regularly, especially before each use.

Q: What should I do if I see bubbles when checking for leaks?

A: If bubbles appear, there is a leak in the system. Turn off the gas supply and address the leakage point before further use.

PRODUCT CODE: 8510-OF

Explanation of Symbols

Recycling packaging material. Place the packaging material in the appropriate recycling waste bins wherever possible.

CAUTION

Ensure adequate ventilation. Use this device only outdoors.

IMPORTANT

Read these instructions carefully to become familiar with the device before connecting it to the gas cylinder. Keep these instructions for future reference.

Safety and Operating Conditions

- This household regulator is designed to supply gas to gas-consuming appliances at the pressure and capacity indicated on the identification label.
- It can be mounted on any cylinder equipped with a cylinder valve with a manually operated closure.
- This regulator is equipped with a manual flow limiter.
- The following mounting, operation, and usage instructions must be followed.
- Check that the gasket on the cylinder valve is in place and in good condition.
- Before mounting the regulator, ensure that the rubber gasket in the bottle valve or in the pressure regulator is in good condition.
- If the gasket or the gas valve is not in good condition, ask your gas supplier to replace it with another gasket.
- Ensure that the gas hose is in good condition and not older than 5 years.
- When installing the regulator, ensure that the cylinder valve and gas appliances are turned off.
- Under normal usage conditions, to ensure safe operation of the installation, it is necessary to replace the regulator every 10 years from the production date.
- For outdoor use. The device should be placed or protected against direct exposure to water and rain.
- Use gas cylinders in an upright position only.
- Never remove the regulator in the Gas ON position.
- Do not move the cylinder while it is in use.
- Do not fit or exchange gas cylinders in the presence of an open flame.
- Do not use tools to mount the pressure regulator on the gas bottle. Hand-tightening the nut is sufficient.

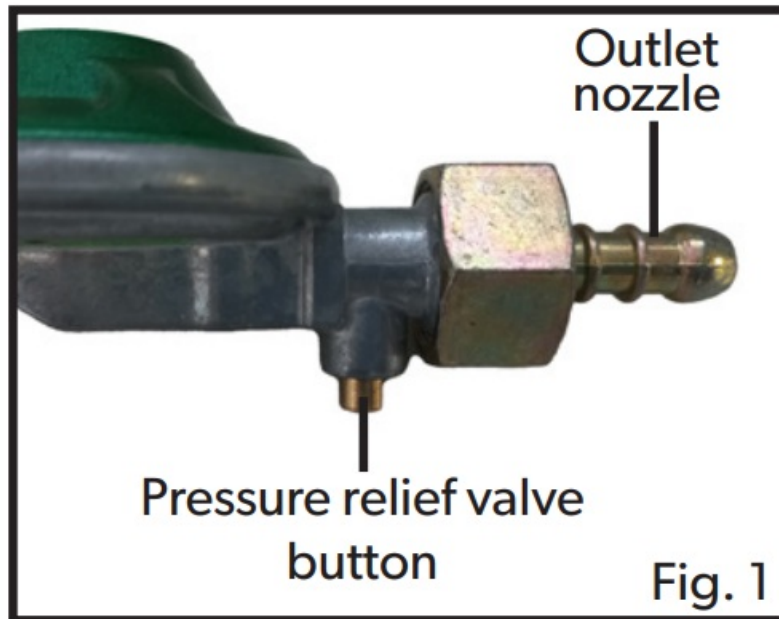
| | |
|--------------------------|---------|
| Gas type | LPG |
| Inlet pressure (bar) | 0.3-16 |
| Overflow limiter | Yes |
| Leak and level indicator | Yes |
| Capacity | 0.8kg/h |

Installation steps

- Perform a visual inspection of the regulator. Remove dirt or loose metal shavings.
- Connect the hose to the outlet nozzle (fig 1) of the regulator (apply water to the hose to facilitate easier insertion).
- Remove the seal or cap from the gas cylinder valve. Ensure there is no open combustion or flame in the immediate vicinity.
- Hand-tighten the regulator nut onto the gas bottle valve.

(Note: this is a left-hand thread!)

- Open the valve of the gas bottle.
- Press the pressure relief valve button on the regulator outlet to fill the hose with gas (Fig 1).



- Conduct a leak test using the pressure gauge (See section 4). If gas-tight, the gas appliance can be started.
- When replacing the gas bottle, close the valve of the gas bottle first before unscrewing the regulator.

Leak Test:

- Ensure the regulator is connected to the gas appliance via the gas hose.
- The gas valve of the appliance must be in the closed position.
- Confirm the regulator is securely attached to the gas bottle valve.
- Slowly open the gas bottle valve. The regulator and gas hose will fill with gas. Close the gas valve again.
- Check if the pointer of the manometer is in the green indicator zone. Wait for 2 minutes. If the pointer remains in the same position, the installation is gas-tight. (See section 4)
- If the gauge pointer is in the yellow or blue area, there may be a gas leak. (See section 4)
- Visually inspect the gas installation using a leak detection spray or soapy water to identify any leaks.
- Do not operate the gas appliance if there is a gas leak.

Leaks

- Do not use any device that leaks, is damaged, or does not function properly (defective).
- If you suspect a gas leak, apply soapy water to the connection points (the regulator should not be fully submerged in soapy water as it may compromise its safe operation). If there is a leak, you will see bubbles coming from the leakage point.

Function of the overflow limiter

- This regulator is equipped with a manual flow limiter
- It activates when:
 - The gas appliance uses more gas than 110% of the nominal capacity of the regulator.
 - The gas hose becomes disconnected.

- The gas hose becomes damaged or is accidentally cut.
- The flow limiter will shut off the gas supply.
- To reset, connect a hose to the regulator outlet and press the button to fill the gas hose with gas. Then, relight the gas appliance.

Manometer – low level indicator

The gas level can be observed while gas is flowing between the gas cylinder and the appliance.



| | |
|---------------|---|
| BLUE | The gas cylinder is empty and needs to be refilled. Gas pressure is lower than 0,3 bar |
| YELLOW | Gas cylinder is almost empty with 1-2 hours of use remaining. Will need refilling soon. Gas pressure is between 0,3 en 1 bar. |
| GREEN | Gas level is sufficient and ready for use. Gas pressure is between 1 en 12 bar |

Warranty

- The statutory warranty period applies. If the product is defective, please contact your retailer or the manufacturer's branch in your country (see www.cadacinternational.com/support).
- For repair and warranty processing, please include the following documents when you send in the product:
 - A copy of the receipt with purchasing date,
 - A reason for the claim or description of the fault.
- Note that self-repair or non-professional repair can have safety consequences and might void the warranty.

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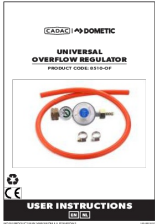
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Documents / Resources

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|  | <p>DOMETIC 8510-OF Universal Overflow Regulator [pdf] Instruction Manual 8510-OF, 8510-OF Universal Overflow Regulator, Universal Overflow Regulator, Overflow Regulator, Regulator</p> |
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References

- [↗ Support | CADAC Dometic](#)
- [User Manual](#)

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