

## Buderus 7098822

# Buderus Airclon GB 112-24 7098822 Floating Insert Instruction Manual

## INTRODUCTION

This instruction manual provides essential information for the safe and effective installation, operation, and maintenance of the Buderus Airclon GB 112-24 7098822 Floating Insert. Please read this manual thoroughly before proceeding with any procedures to ensure proper function and longevity of the product. Retain this manual for future reference.

## PRODUCT OVERVIEW

The Buderus Airclon GB 112-24 7098822 Floating Insert is a critical component designed for use in condensing boilers, specifically compatible with Buderus GB 112, GB 142, Winner BK 11, WT 24, and Nefit systems. Its primary function is to facilitate the automatic venting of air from the heating system, which is crucial for efficient operation and to prevent corrosion and noise.



**Figure 1:** The image displays two components. On the left is the white, conical floating insert with a thin metal rod extending from its base and a hooked metal wire attached to its top. On the right is a hexagonal metal cap with a beige, circular top and a black, knurled valve cap. These components are typically used together in an air vent system.

## INSTALLATION INSTRUCTIONS

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### Safety Precautions:

- Ensure the heating system is completely depressurized and cooled down before beginning installation.
- Turn off the main power supply to the boiler.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- If you are unsure about any step, consult a qualified heating technician.

### Procedure:

1. **Locate the Air Vent:** Identify the automatic air vent on your compatible Buderus, Winner, or Nefit condensing boiler.
2. **Remove Old Insert (if applicable):** Carefully unscrew the existing air vent cap or housing. The old floating insert may be removed at this stage.
3. **Inspect and Clean:** Inspect the air vent housing for any debris or scale buildup. Clean thoroughly if necessary to ensure proper sealing and function.
4. **Insert New Float:** Gently place the new Buderus Airlon GB 112-24 7098822 Floating Insert into the air vent housing. Ensure it sits correctly and is not obstructed. The metal rod should point downwards.
5. **Reassemble:** Screw the air vent cap or housing back into place. Tighten securely but do not overtighten.
6. **Repressurize System:** Slowly refill and repressurize the heating system according to the boiler manufacturer's instructions.
7. **Check for Leaks:** Monitor the air vent for any signs of water leakage after repressurizing.
8. **Restore Power:** Once installation is complete and no leaks are detected, restore power to the boiler.

## OPERATING INSTRUCTIONS

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The Buderus Airlon GB 112-24 7098822 Floating Insert operates automatically. Its design allows air to escape from the heating system while preventing water loss. When air accumulates in the vent, the float drops, opening a valve to release the air. As water fills the vent, the float rises, closing the valve to prevent water from escaping. No manual intervention is typically required for its basic operation.

Ensure the small black cap on the air vent (if present, as shown in Figure 1) is slightly loosened or open to allow air to escape. Do not remove it completely unless specified by the boiler manufacturer.

## MAINTENANCE

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Regular maintenance ensures the optimal performance and longevity of your floating insert and heating system.

- **Annual Inspection:** During your annual boiler service, have a qualified technician inspect the air vent and floating insert for any signs of wear, corrosion, or blockage.
- **Cleaning:** If the air vent appears to be blocked or not functioning correctly, it may require cleaning. This should be performed by a qualified technician.

- **Replacement:** Floating inserts are wear-and-tear parts. Their lifespan can vary depending on water quality and system conditions. If the air vent consistently fails to release air or begins to leak, the floating insert may need replacement.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Air not venting from system (gurgling noises, cold radiators)	Float insert blocked by debris or scale; vent cap closed; faulty insert.	Ensure vent cap is slightly open. Clean air vent housing. Replace floating insert if necessary.
Water leaking from air vent	Float insert worn or damaged; improper seating; vent cap loose.	Tighten vent cap (do not overtighten). Check seating of insert. Replace floating insert.

If troubleshooting steps do not resolve the issue, contact a qualified heating technician for assistance.

## SPECIFICATIONS

Attribute	Detail
Manufacturer	Buderus
Part Number	7098822
Item Model Number	7098822
Product Dimensions	10 x 1.5 x 10 cm
Weight	58 g
Compatible with	Buderus GB 112, GB 142; Winner BK 11, WT 24; Nefit

## WARRANTY AND SUPPORT

Specific warranty information for the Buderus Airclon GB 112-24 7098822 Floating Insert may vary depending on your region and point of purchase. Please refer to your purchase documentation or contact your supplier for details regarding warranty coverage.

For technical support or further assistance, please contact Buderus customer service or your authorized Buderus dealer. When contacting support, please have your product model number (7098822) and purchase details readily available.