

OMNIRES BOXTE3F

Omnires BOXTE3F Recessed 3-Outlet Thermostatic Faucet Element User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Omnires BOXTE3F recessed element for a 3-outlet thermostatic faucet. The BOXTE3F is designed to be combined with compatible surface-mounted thermostatic tap elements, providing precise temperature control and multiple water outlets for a comprehensive shower or bath system. Please read this manual thoroughly before installation and use to ensure proper function and safety.



Figure 1: Omnires BOXTE3F Recessed Element. This image shows a 3D rendering of the Omnires BOXTE3F recessed element. It is a

grey rectangular box with green indicators for "HOT" and "COLD" water inlets at the top. The front face displays "MAX" and "MIN" depth indicators. At the bottom, there are two circular inlets, one red-colored for hot water and one grey for cold water, along with three smaller circular outlets. Mounting brackets are visible on the sides.

2. PRODUCT FEATURES

- **Durable Construction:** Equipped with a brass body, ensuring exceptional resistance to damage and long-term reliability.
- **Advanced Finish:** External coating applied with advanced galvanic technology for enhanced durability and scratch resistance.
- **Thermostatic Control:** Features a high-quality thermostatic head for precise water temperature regulation.
- **Safety Lock:** Hot water blocking mechanism set at 38°C to prevent accidental scalding.
- **Multiple Outlets:** Three mixed water outlets, each 1/2" in size, for versatile shower or bath configurations.
- **Integrated Filters:** Equipped with filters to protect the system from impurities.
- **Non-Return Valves:** Includes non-return valves to prevent backflow.
- **Compact Design:** Minimum installation depth of only 7 cm, facilitating easy integration into various wall structures.
- **Easy Installation:** Designed for straightforward installation.

3. SAFETY INFORMATION

Please observe the following safety guidelines during installation and use:

- **Professional Installation:** Installation should be performed by a qualified plumber or technician in accordance with local plumbing and building codes.
- **Water Supply:** Always turn off the main water supply before beginning any installation or maintenance work.
- **Pressure Testing:** After installation, perform a pressure test to check for leaks before sealing the wall.
- **Temperature Settings:** The thermostatic element has a factory-set hot water lock at 38°C. Exercise caution if adjusting this setting, especially around children or individuals with sensitive skin.
- **Component Compatibility:** Ensure that all connecting components (surface-mounted elements, pipes, fittings) are compatible with the BOXTE3F and meet relevant standards.

4. INSTALLATION AND SETUP

The Omnires BOXTE3F is a recessed element designed for concealed installation within a wall. It must be combined with a compatible surface-mounted thermostatic tap element (e.g., Y1238/KROCR, Y1238/KROBL, Y1238/KROGL, FR7138ROCR).

4.1 Pre-Installation Checks

- Verify that the wall cavity provides sufficient space for the minimum installation depth of 7 cm.
- Ensure access to hot and cold water supply lines (3/4" inlets).
- Confirm the location of the three mixed water outlets (1/2") for your shower or bath configuration.
- Inspect all components for any damage before installation.

4.2 Installation Steps

1. **Prepare Wall Cavity:** Create an opening in the wall that accommodates the dimensions of the BOXTE3F element, ensuring the minimum depth requirement is met.
2. **Connect Water Inlets:** Connect the hot water supply to the designated 3/4" inlet (typically marked red or 'H') and the cold water supply to the other 3/4" inlet (typically marked blue or 'C'). Ensure secure, watertight connections.
3. **Connect Water Outlets:** Connect the three 1/2" mixed water outlets to the desired shower heads, hand showers, or bath

spouts.

4. **Secure the Element:** Mount the BOXTE3F securely within the wall cavity using the integrated mounting brackets. Ensure it is level and flush with the finished wall surface, considering the depth indicators (MIN/MAX) on the unit.
5. **Test for Leaks:** Before closing the wall, turn on the main water supply and carefully check all connections for leaks. Rectify any leaks immediately.
6. **Install Surface-Mounted Element:** Once the recessed element is securely installed and tested, proceed with the installation of the compatible surface-mounted thermostatic tap element according to its specific instructions.

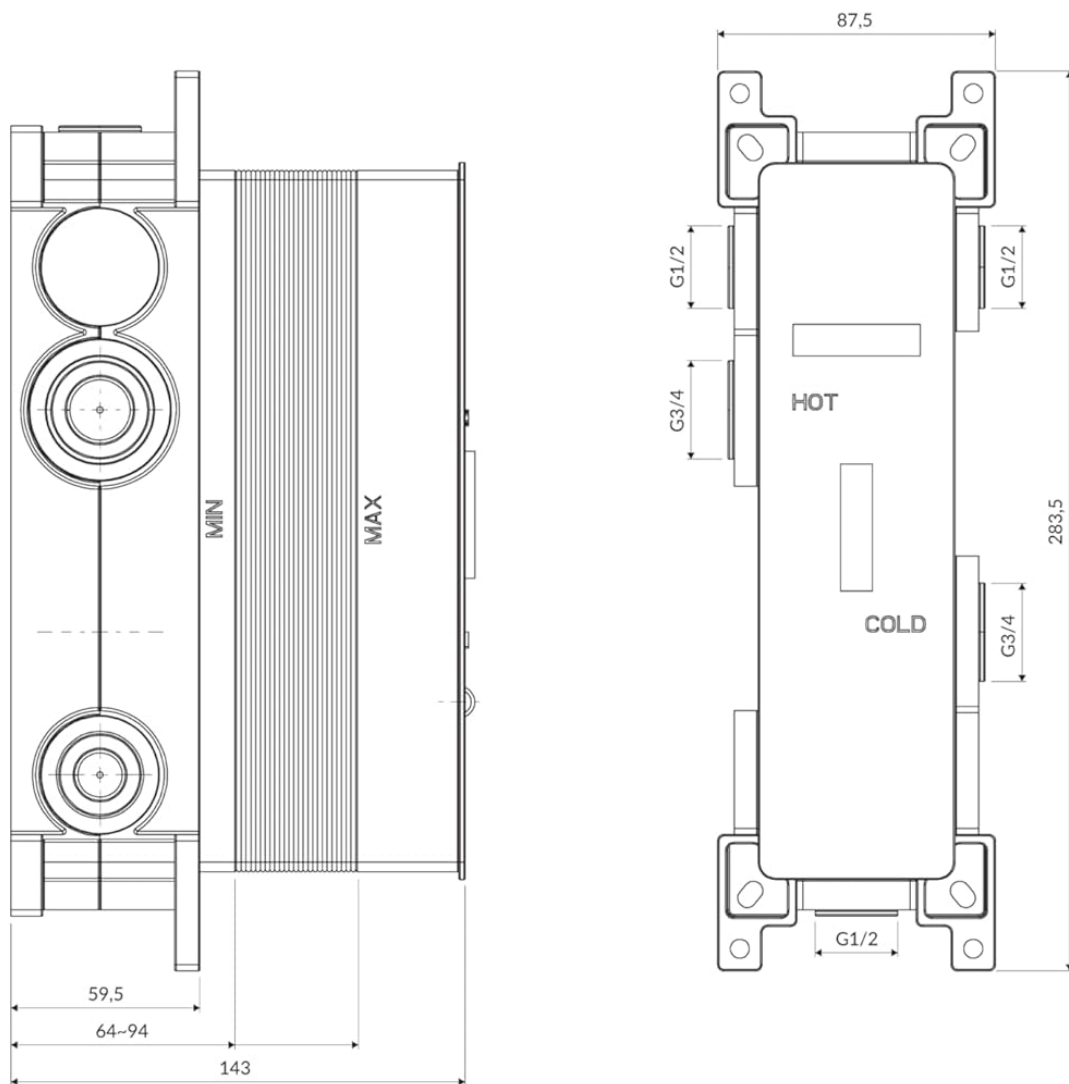


Figure 2: Omnires BOXTE3F Technical Drawing. This image is a technical drawing providing dimensions and connection details for the Omnires BOXTE3F recessed element. It includes a side view and a front view. The side view shows "MIN" and "MAX" depth markings,

with overall depth dimensions ranging from 59.5 to 94 mm, and a total depth of 143 mm. The front view indicates two G3/4" inlets (hot and cold) and three G1/2" outlets for mixed water. Key dimensions like 87.5 mm width and 283.5 mm height are also shown.

5. OPERATION

The Omnires BOXTE3F recessed element functions as the core of a thermostatic shower or bath system. Its operation is controlled by the surface-mounted thermostatic tap element that is installed over it.

- **Temperature Control:** The thermostatic head within the BOXTE3F automatically mixes hot and cold water to maintain a constant desired temperature, as set by the surface-mounted control.
- **Flow Control:** The surface-mounted element will also control the flow to the three individual outlets connected to the BOXTE3F.
- **Safety Stop:** The integrated hot water lock at 38°C prevents the temperature from exceeding this limit without intentional override, enhancing user safety.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Omnires BOXTE3F element.

- **Cleaning:** The recessed element itself requires minimal cleaning as it is concealed. For the visible surface-mounted element, clean regularly with a soft cloth and mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive sponges.
- **Filter Inspection:** The integrated filters help protect the thermostatic cartridge. If water flow decreases significantly, it may indicate clogged filters. Consult a professional plumber for inspection and cleaning of the internal filters.
- **Leak Checks:** Periodically check for any signs of leaks around the installation area. Address any leaks promptly to prevent water damage.
- **Thermostatic Cartridge:** In areas with hard water, limescale buildup can affect the thermostatic cartridge. If temperature regulation becomes inconsistent, professional servicing of the cartridge may be required.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your thermostatic faucet system.

Problem	Possible Cause	Solution
No hot water or insufficient hot water.	Hot water supply off; thermostatic cartridge issue; clogged filter.	Check hot water supply. If problem persists, contact a qualified plumber to inspect or replace the thermostatic cartridge or clean filters.
Water temperature fluctuates.	Inconsistent hot/cold water pressure; faulty thermostatic cartridge; limescale buildup.	Ensure stable water pressure. If not, professional inspection of the thermostatic cartridge may be needed.
Low water flow from outlets.	Clogged filters; restricted water supply; debris in pipes.	Check main water supply. Have a plumber inspect and clean the internal filters or check for blockages in the pipes.
Leaks from the wall.	Improperly sealed connections; damaged pipes or fittings.	Immediately turn off water supply. Contact a qualified plumber to identify and repair the source of the leak.

8. SPECIFICATIONS



Feature	Specification
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Feature	Specification
Model Number	BOXTE3F
Manufacturer	Omnires
Product Type	Recessed Element for 3-Outlet Thermostatic Faucet
Material	Class A Brass Body
Minimum Installation Depth	7 cm
Hot & Cold Water Inlets	2 x 3/4"
Mixed Water Outlets	3 x 1/2"
Safety Feature	Hot water blocking at 38°C
Included Components	Filters, Non-return valves
Item Weight	5.94 pounds
Product Dimensions	13.39 x 5.12 x 6.69 inches
Color	Gray

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Omnires BOXTE3F recessed element, please contact Omnires customer service directly. Retain your proof of purchase for warranty claims.

Related Documents - BOXTE3F

	<p>Warunki Gwarancji Jakości OMNIRES</p> <p>Szczegółowe warunki gwarancji jakości dla produktów OMNIRES, obejmujące okres gwarancji, procedury zgłaszania reklamacji, świadczenia gwarancyjne oraz wyłączenia odpowiedzialności.</p>
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