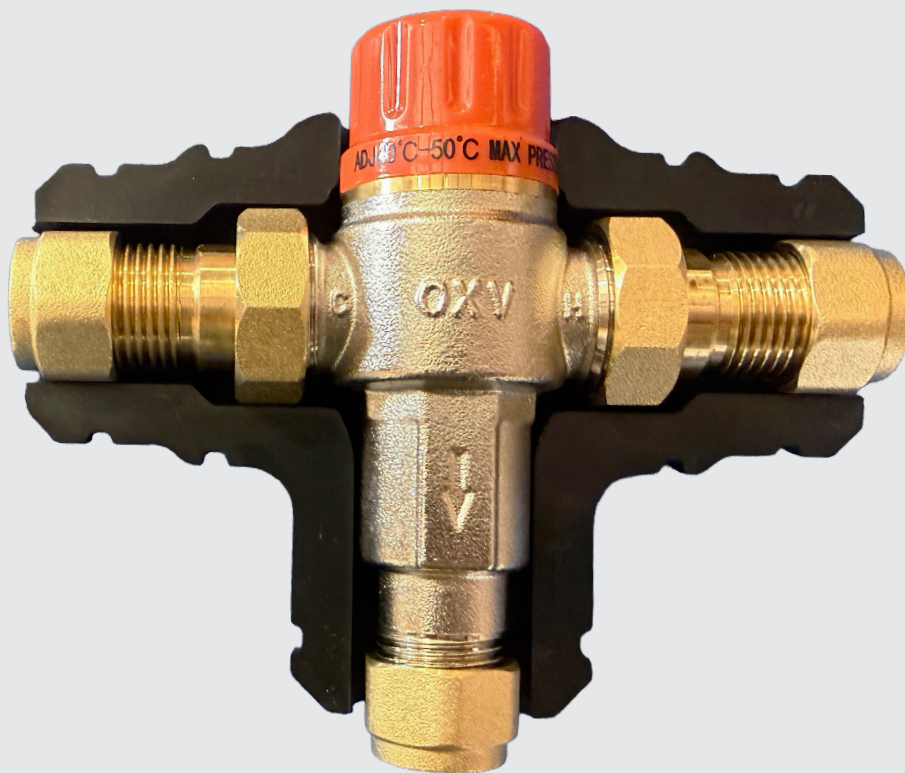


OMNI X
TECHNOLOGIES

TEMPERING VALVE

Installation Manual

Model: OMNIX15MCPLV



Safe temperature control for
domestic hot water systems.

Stable mixed water temperature • Compact inline design • Durable brass construction •
Designed for domestic hot water systems • WaterMark compliant installation design

INTRODUCTION

The Omni X Tempering Valve is designed to regulate mixed water temperature in domestic hot water systems.

By blending hot and cold water supplies, the valve delivers controlled outlet temperatures to reduce the risk of scalding and improve system safety.

The valve is suitable for installation in residential hot water systems where temperature control is required in accordance with plumbing regulations.

TYPICAL APPLICATIONS

- Residential bathrooms
- Domestic hot water systems
- Temperature-controlled water supply
- Plumbing safety compliance installations

Document: OMNIX Tempering Valve Installation Manual
Model: OMNIX15TEMPERING
Document No.: OMNIX-TM-IM-01
Version: 1.0
Issue Date: March 2026

TECHNICAL SPECIFICATIONS

Connection Size

15 mm compression

Pressure Rating

PN16 – Maximum allowable operating pressure classification

Maximum Operating Temperature

99°C

Recommended Outlet Temperature

40°C – 50°C

Minimum Flow Rate

4 L/min

Materials

Body: Brass

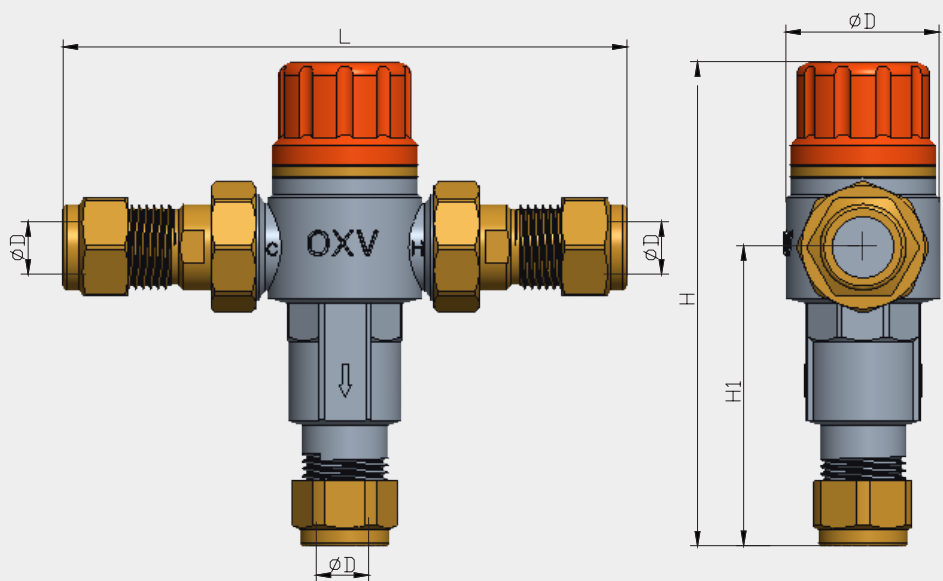
Seals: NBR

Internal Components: Stainless steel / brass



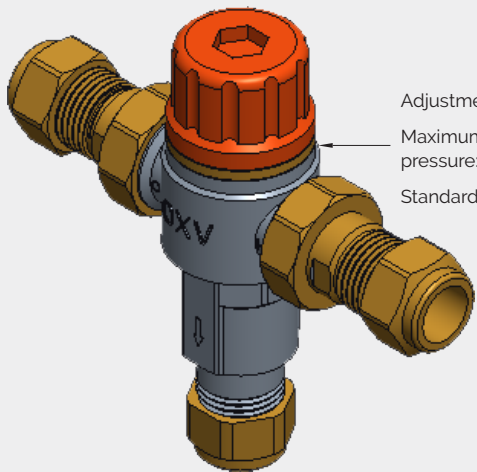
All Omni X valves are backed by a **2-year parts and labour warranty** across the complete valve range.

PRODUCT DIMENSIONS



DIMENSIONS

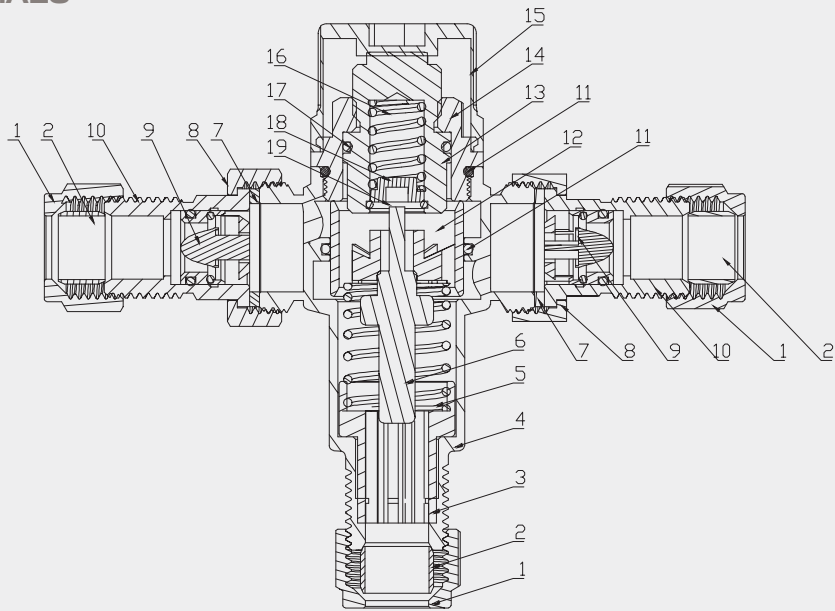
Size	1/2 inch
Length (L)	118 mm
Height (H)	135 mm
Height (H1)	71 mm
Outer Diameter	Ø30.5 mm
Connection Diameter	Ø 13 mm
Connection Type	Compression



Adjustment range: 40°C – 50°C
Maximum allowable operating pressure: 1400 kPa
Standard: AS4032.2 WM 75167

MAIN COMPONENTS & MATERIALS

Valve Body	C46500
Valve Bonnet	C46500
Manifold	PSU
Thermal Element	S304
Clip	C46500
Connector	C46500
Ferrule	PSU
Piston	EPDM / POM
Check Valve Core	Brass
Spring	S304
O-Ring	EPDM
Gasket	EPDM
Valve Stem	C46500
Handle	ABS
Retaining Ring	S304



INSTALLATION REQUIREMENTS



Failure to follow installation instructions may result in unsafe performance.

All installations must comply with:

AS/NZS 3500 Plumbing and Drainage
Local plumbing authority requirements.



Installation should be performed by a licensed plumber.

Pre-Installation Checklist

- Flush pipework to remove debris
- Confirm hot and cold supplies are correctly identified
- Verify supply pressures are within operating limits
- Ensure access is available for maintenance

Recommended additional components:

- Pressure reducing valve
- Line strainer
- Non-return valve
- Isolation valves

INSTALLATION PROCEDURE

Step 1

Flush the pipework thoroughly to remove debris and contaminants.

Step 2

Confirm hot and cold supply lines are correctly identified.

Step 3

Install the tempering valve according to the flow direction markings.

Step 4

Connect hot and cold supply lines to the corresponding inlet ports.

Step 5

Secure compression fittings according to plumbing installation standards.

Step 6

Slowly open the water supply and check all connections for leaks.

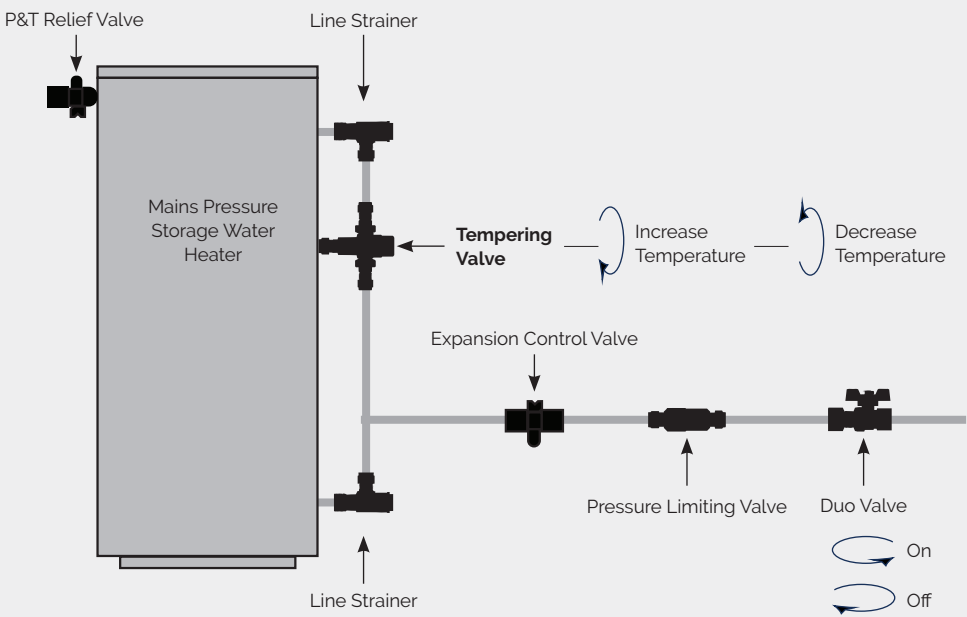
Step 7

Commission the valve by adjusting the outlet temperature.

INSTALLATION DIAGRAM, MAINTENANCE & TROUBLESHOOTING

Mains Pressure Water Heater - Domestic Installations

Valve fitted remotely from the Heater



Important Note

Tempered water delivered to sanitary fixtures must not exceed 50°C in accordance with AS/NZS 3500.

MAINTENANCE

Periodic inspection is recommended to ensure correct operation.

Suggested inspection interval:
Every 12 months.

Maintenance may include:

- Cleaning inlet strainers
- Verifying outlet temperature
- Inspecting fittings for leaks

TROUBLESHOOTING

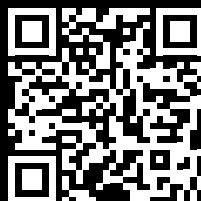
Issue	Possible Cause	Solution
Outlet water too hot	Incorrect commissioning	Re-adjust valve
Unstable temperature	Pressure imbalance	Install pressure reducing valve
Reduced flow	Strainer blockage	Clean strainers
No outlet flow	Blocked supply	Check water supply
Temperature cannot be adjusted	Internal failure	Replace valve



Address: 34 Forge Street Blacktown NSW 2148

Phone: 1300993396

Scan for product information and documentation



www.omnixtechnologies.com.au