

OMNI X
TECHNOLOGIES

DUO VALVE

Installation Manual

Model: OMNIX15DUO



Combined isolation and non-return
functionality for domestic plumbing systems.

Compact inline design • Durable brass construction • Reliable shut-off control
• Designed for domestic plumbing systems

INTRODUCTION

The Omni X Duo Valve integrates isolation and non-return functionality in a compact inline valve designed for domestic plumbing installations.

TYPICAL APPLICATIONS

- Residential plumbing systems
- Hot water system installations
- Appliance isolation connections
- Domestic plumbing safety installations

Document: OMNIX Duo Valve Installation Manual
Model: OMNIX15DUO
Document No.: OMNIX-TM-IM-01
Version: 1.0
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TECHNICAL SPECIFICATIONS

Connection Size

15 mm compression

Pressure Rating

PN16 – Maximum allowable operating pressure classification

Maximum Operating Temperature

95°C

Materials

Body: Brass

Seals: EPDM

Internal Components: Stainless steel

Valve Body: Brass

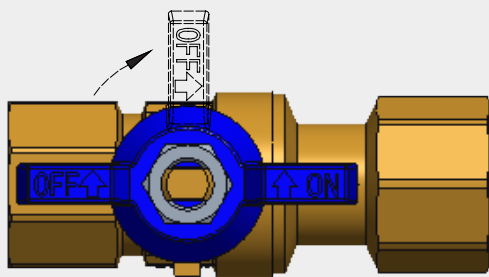
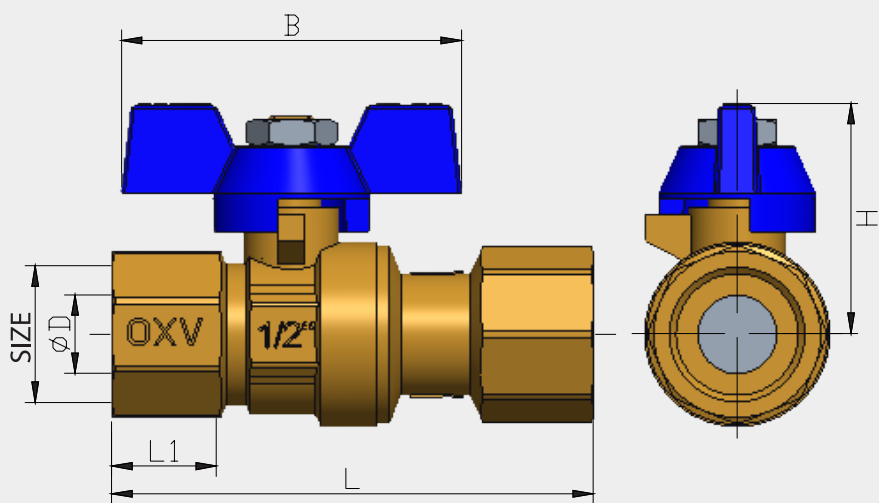
Check Valve: Brass

Spring: Stainless Steel



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

PRODUCT DIMENSIONS

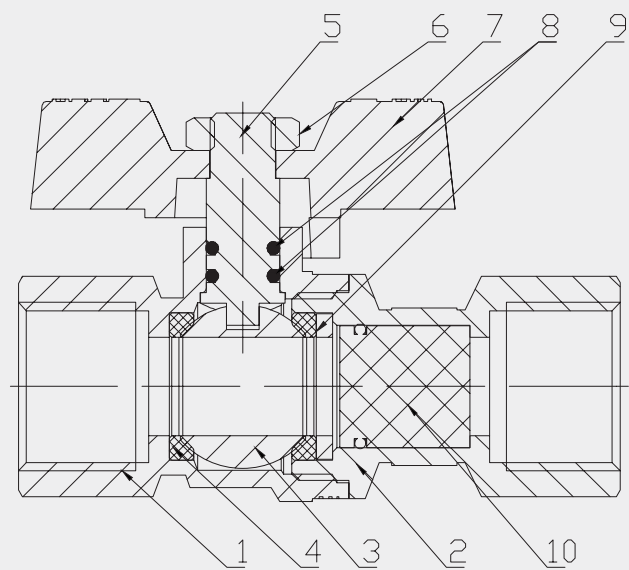


DIMENSIONS

Size	1/2 inch
Length (L)	74 mm
Outer Diameter	Ø12 mm
L1	16 mm
H	35 mm
B	52 mm

MAIN COMPONENTS & MATERIALS

1 Valve Body	C46500
2 Valve Cap	C46500
3 Ball	C46500
4 Valve Seat	PTFE
5 Stem	HPb59-1
6 Nut	S304
7 Handle	Aluminum
8 O-Ring	NBR
9 Gasket	S304
10 Check Valve	Assembly



INSTALLATION REQUIREMENTS



Failure to follow installation instructions may result in unsafe performance.

Pre-Installation Checklist

- Flush pipework
- Verify flow direction

All installations must comply with:
AS/NZS 3500 Plumbing and Drainage.



Installation should be performed by a licensed plumber.

INSTALLATION PROCEDURE

Step 1

Flush pipework.

Step 2

Install valve inline.

Step 3

Secure compression fittings.

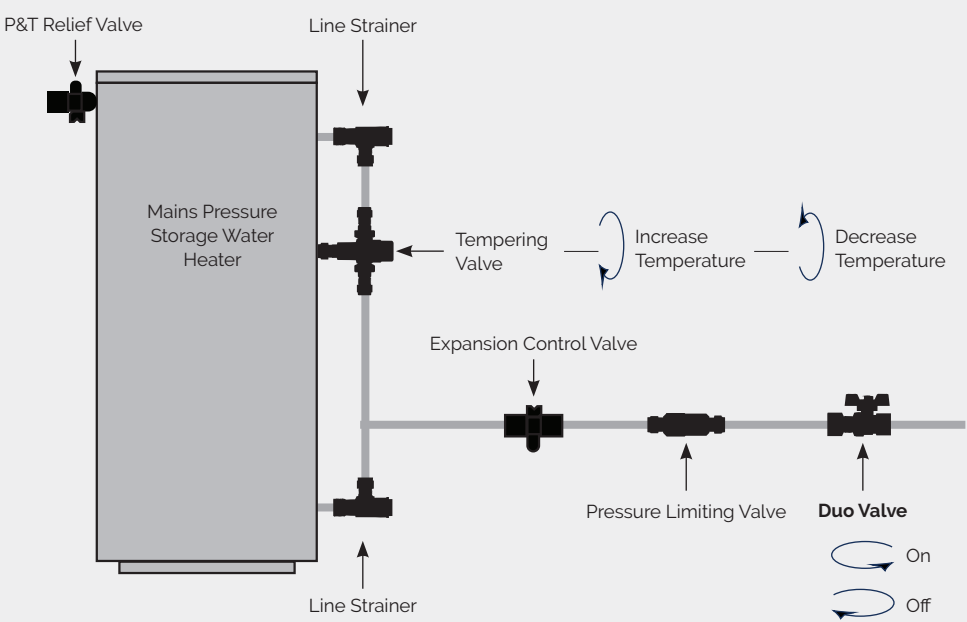
Step 4

Restore water supply and check for leaks.

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.

TROUBLESHOOTING

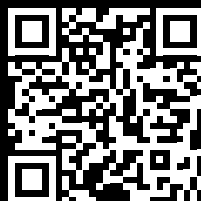
Issue	Possible Cause	Solution
Water leakage	Loose fittings	Tighten fittings
Restricted flow	Internal blockage	Flush system and inspect valve
Backflow detected	Check valve failure	Replace valve
Valve difficult to operate	Debris build-up	Clean valve



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Scan for product information and documentation



www.omnixtechnologies.com.au