

DELTA R10000-UNWSHF

Delta Faucet R10000-UNWSHF MultiChoice Universal Shower Valve Body Instruction Manual

Model: R10000-UNWSHF | Brand: DELTA

1. INTRODUCTION

The Delta MultiChoice Universal Valve R10000-UNWSHF is designed to provide flexibility for shower installations. This valve body allows for future upgrades or changes to shower function, style, and appearance without requiring alterations to the plumbing behind the wall. It features universal inlets and outlets and includes screwdriver stops for convenient water shut-off at the valve.

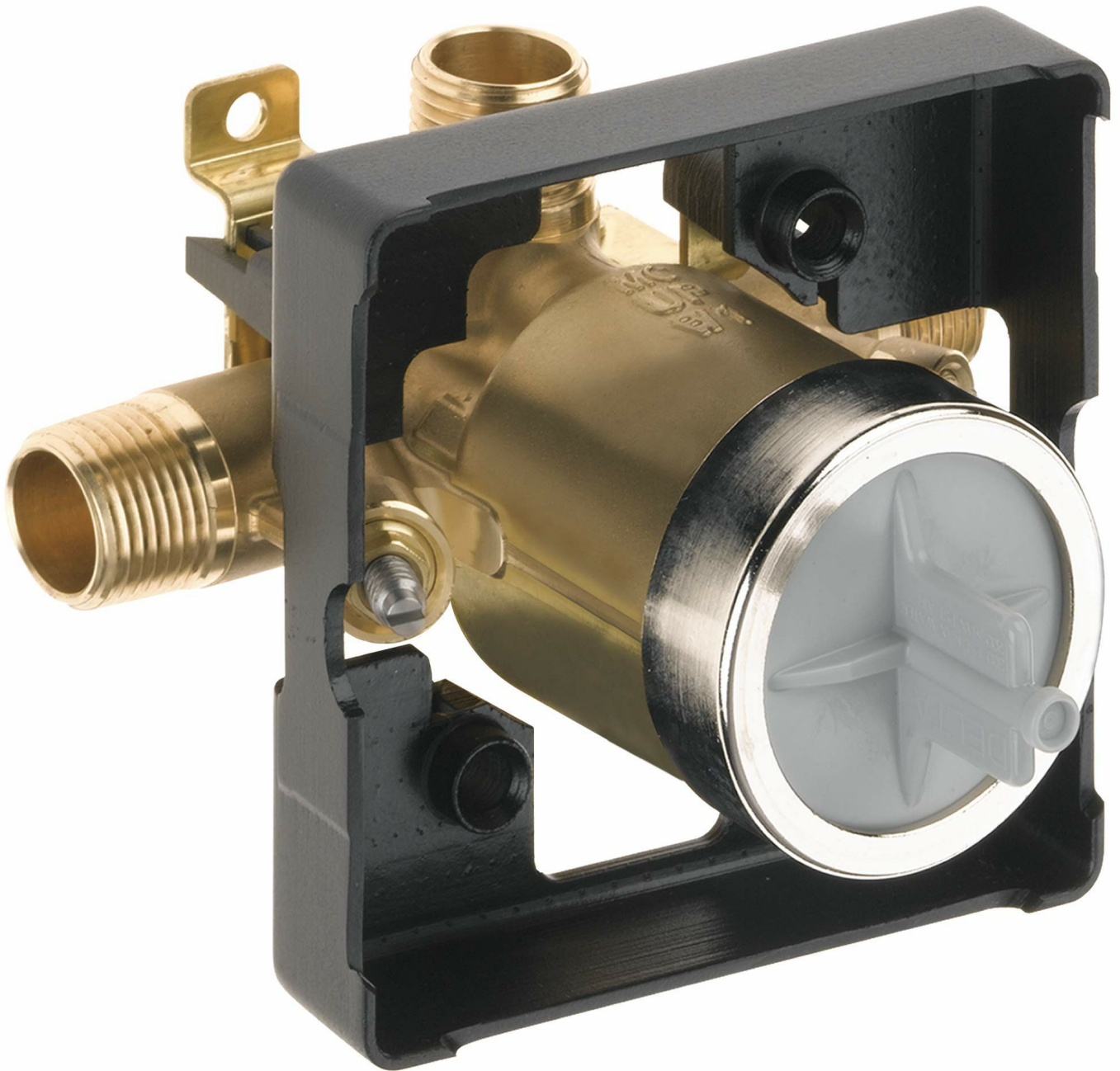


Figure 1: Delta R10000-UNWSHF MultiChoice Universal Shower Valve Body.

2. KEY FEATURES

- **Complete Flexibility:** Compatible with most Delta single-function (13 or 14 series), dual-function (17 series), or dual-function thermostatic (17T series) trim kits, allowing for future upgrades without altering in-wall plumbing.
- **Screwdriver Stops:** Conveniently included for local water shut-off, ideal for maintenance without turning off the main water supply.
- **Universal Connection Options:** 1/2-inch universal inlets accept 1/2-inch copper, 1/2-inch iron pipe, PEX, or CPVC adapters.
- **Valve Body Only:** The required cartridge is included with your chosen Delta shower trim kit, not with this valve body.
- **Durable Construction:** Made from brass for long-lasting performance.



GENUINE PARTS

GENUINE REPAIR PART

**USE ONLY DELTA®
GENUINE PARTS TO
MAINTAIN WARRANTY**

Figure 2: Detailed view of the valve body showing the mounting bracket and heat-resistant pressure test cap.

3. SETUP AND INSTALLATION

Proper installation of the R10000-UNWSHF valve body is crucial for optimal performance. This valve is designed for showers without tub spouts. Always refer to the detailed installation instructions provided with the product packaging for specific steps and safety guidelines.

3.1 Mounting

The integrated mounting bracket helps reduce rocking and ensures a plumb and level installation. Secure the valve body to a stringer using appropriate fasteners.

3.2 Plumbing Connections

The 1/2-inch universal inlets and outlets are compatible with 1/2-inch copper, 1/2-inch iron pipe, PEX, or CPVC adapters. Ensure

all connections are secure and leak-free. The valve body accommodates various piping methods.



Figure 3: Back-to-back installation capability for multi-unit buildings.

3.3 Pressure Testing

A heat-resistant pressure test cap is included. This cap allows for air or water testing of the plumbing system before the valve cartridge is installed, ensuring system integrity. It also provides easy access for flushing the system.

MULTICHOICE[®]

UNIVERSAL VALVE



MOUNTING BRACKET

Reduces rocking by providing a sturdy method to secure the valve to a stringer

SIMPLE 90° CUTS

Square plasterguard snaps into place with no tools required to remove

HEAT-RESISTANT PRESSURE TEST CAP

Allows for air or water testing before the valve cartridge is installed and easy access for flushing the system

Figure 4: The valve body with the square plasterguard and heat-resistant pressure test cap.

3.4 Plasterguard

The square plasterguard snaps into place and allows for simple 90-degree cuts, requiring no tools for removal during installation.

4. OPERATING INSTRUCTIONS

The R10000-UNWSHF valve body functions in conjunction with a Delta shower trim kit, which includes the necessary cartridge. The valve's design ensures compatibility with various Delta cartridges, providing flexibility in shower control.

4.1 Cartridge Compatibility

This valve body is compatible with single-function pressure-balanced, dual-function pressure-balanced, and dual-function thermostatic valve cartridges. The specific cartridge determines the shower's operational features, such as temperature and volume control.



Figure 5: Examples of compatible Delta valve cartridges. The cartridge is included with the trim kit.

4.2 Screwdriver Stops

The integrated screwdriver stops allow you to turn off the water supply directly at the valve body for maintenance or cartridge replacement without affecting the water supply to the rest of the house.

5. MAINTENANCE

Regular maintenance ensures the longevity and proper function of your Delta MultiChoice Universal Valve. While the valve body itself requires minimal maintenance, the cartridge (supplied with the trim kit) may require occasional cleaning or replacement depending on water quality and usage.

- **Flushing the System:** Utilize the heat-resistant pressure test cap to flush the plumbing system before installing the cartridge, removing any debris that could affect valve performance.
- **Cartridge Replacement:** If water flow or temperature control issues arise, the cartridge may need inspection or replacement. Use the screwdriver stops to shut off water to the valve before servicing.
- **Genuine Parts:** Always use genuine Delta replacement parts to maintain product warranty and ensure proper function.

BRASS CONSTRUCTION



Figure 6: Use only Delta genuine parts to maintain warranty.

6. TROUBLESHOOTING

If you encounter issues with your shower system, consider the following general troubleshooting steps:

- **No Water Flow:** Check if the main water supply to the house is on. If the valve has screwdriver stops, ensure they are fully open.
- **Low Water Pressure:** Verify that the water supply lines are not obstructed. If the issue persists, the cartridge in the trim kit may need cleaning or replacement.
- **Temperature Fluctuations:** This is typically related to the cartridge in the trim kit. Consult the trim kit's manual for instructions on adjusting or servicing the cartridge.
- **Leaks:** Inspect all plumbing connections for tightness. If a leak originates from the valve body itself, contact a qualified plumber.

For more specific troubleshooting, refer to the instruction manual provided with your Delta shower trim kit, as the cartridge and external components are responsible for most operational functions.

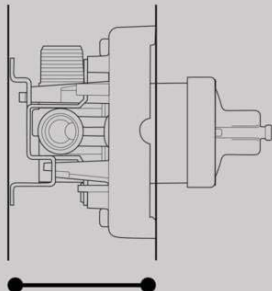
7. SPECIFICATIONS

Attribute	Value
Model Number	R10000-UNWSHF
Brand	DELTA
Material	Brass
Item Dimensions (L x W x H)	4.88 x 5.06 x 4.88 inches
Item Weight	1.87 Pounds
Inlet Connection Size	0.5 Inches
Inlet Connection Type	NPT, Copper and PEX
Outlet Connection Size	0.5 Inches
Outlet Connection Type	NPT, Copper, PEX
Number of Ports	4
Thread Type	NPT
Connector Type	Threaded
Valve Type	Mixing Valve
Specification Met	NSF
Included Components	Rough Valve, Plaster Guard and Test Cap

ADDITIONAL INFORMATION

DIMENSIONS

2.13 inches
from finished wall



2.75 inches
from stringer to
finished wall

INLETS

Universal
0.5-inch
NPT male thread
0.5-inch
copper sweat

OUTLETS

Universal
0.5-inch
NPT male thread
0.5-inch
copper sweat

SCREWDRIVER STOPS

Included

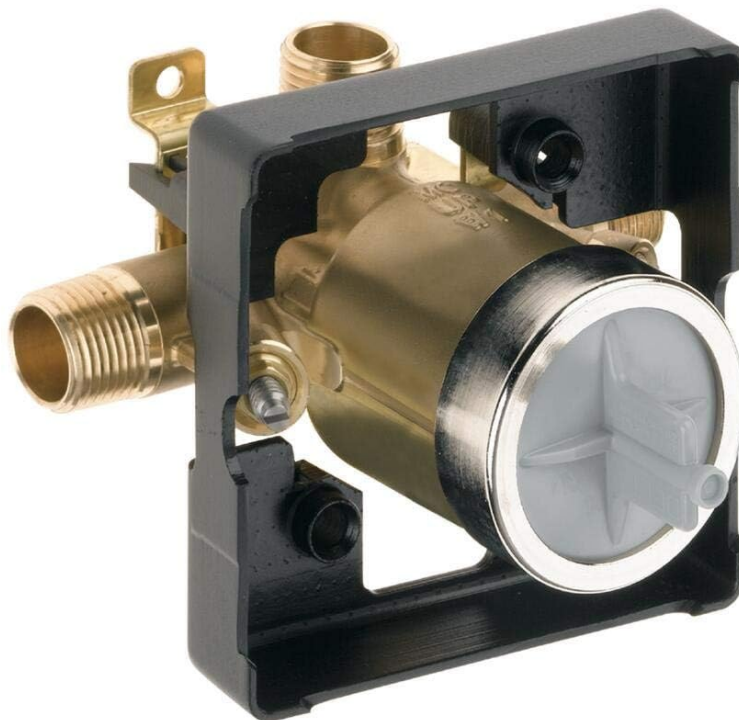
MATERIAL

Brass



WIDTH

4 inches



HEIGHT

4 inches

Figure 7: Key dimensions of the Delta R10000-UNWSHF valve body.

8. WARRANTY AND SUPPORT

The Delta Faucet R10000-UNWSHF MultiChoice Universal Shower Valve Body is backed by Delta Faucet's Lifetime Limited Warranty. This warranty covers defects in material and manufacturing for as long as the original consumer purchaser owns the home in which the faucet was first installed.

For warranty claims, technical support, or to purchase genuine replacement parts, please contact Delta Faucet customer service or visit their official website. Always retain your proof of purchase.

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 1: R10000 Series Multi-Choice Universal Valve Rough Video. This video provides a visual overview of the valve's features and installation considerations.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question