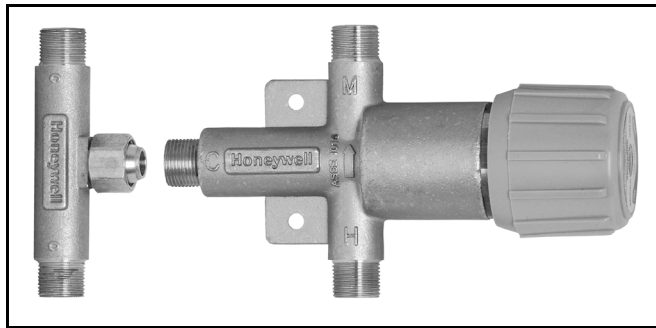


UMV Series Universal UnderSink Thermostatic Mixing Valve

UMV-304U

PRODUCT DATA



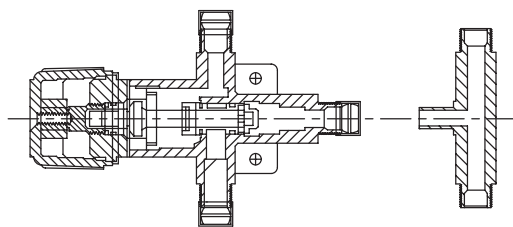
FEATURES

- Universal design allows flexibility in adapting to three port or four port applications.
- Shipped with four port adaptor.
- Shipped with standoffs for easy mounting.
- Large adjustment knob for ease of setting.
- Integral check valves in hot and cold inlets.
- Lockable hand wheel for tamper resistant temperature setting.

GENERAL

The UMV-304U UMV Series Universal UnderSink Thermostatic Mixing Valve is intended for use in under counter and under sink applications. The UMV-304 Universal Model is designed to be used as a three port design (touchless sink) or a four port design (two handle sink) with the addition of the 4 port adaptor (supplied with UMV-304U).

The UMV-304U is used to prevent accidental scalding. The outlet water temperature must be properly adjusted by the installer using a thermometer to measure the outlet temperature at the faucet. A maximum outlet temperature of 110° F (43° C) is recommended.



M25021

Fig. 1. UMV-304U with 4 port adaptor.

SPECIFICATIONS

Model: UMV-304U UnderSink Mixing Valve.

Construction Materials:
Forged bronze body and EPDM seals.
Stainless steel spring.

Working Pressure:
Minimum: 30 psi.
Maximum: 150 psi.
Pressure difference between Hot and Cold inlets shall be less than 20%.

Connections: 3/8 in. (9.5 mm) compression-type fittings on end connections.

Valves: Integral check valves in both Hot and Cold ports.

Flow:
Maximum flow 3.0 Gpm (Cv= 0.55)
Minimum flow: 0.5 Gpm

Inlet Temperature:
Minimum hot inlet temperature: 15° F (8° C) greater than outlet temperature.
Maximum hot inlet temperature: 180° F (82° C).

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Outlet Temperature: Mixed outlet temperature: 80° - 120° F (26° - 49° C).

Approvals: ASSE 1016 and ASSE 1070.

INSTALLATION AND TEMPERATURE ADJUSTMENT

The Honeywell UnderSink Mixing Valve should be installed as indicated in Fig. 2. The valve must be adjusted when installed. Turn on the hot and cold supply, open the hot and cold faucets served by the valve and establish flow. Let the water run for several minutes to ensure maximum hot inlet temperature is reached. Loosen the screw on the cap with a Phillips screwdriver. Lift the cap until the bottom disengages from the brass hex. Adjust the outlet temperature with a thermometer under the faucet. Turn the hand wheel clockwise for cooler temperatures and counter-clockwise for warmer temperatures. Push the hand wheel down to lock the setting and tighten the retaining screw.

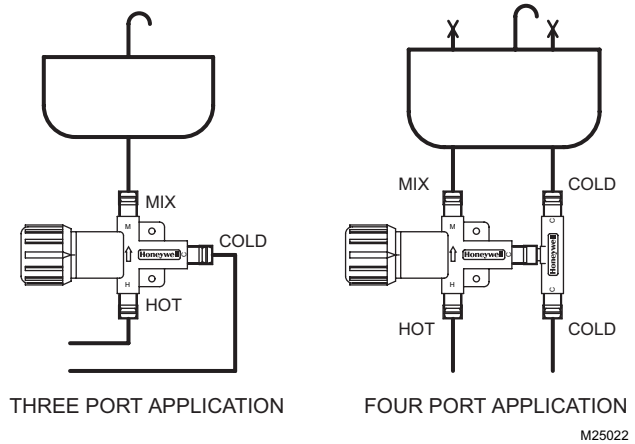


Fig. 2. Typical Installation

MAINTENANCE

Annually, the valve should be tested to determine that the internal parts are free to properly operate. Turn on the hot faucet and let run for a few minutes, until the hot inlet temperature is at its maximum. Loosen the screw on the cap with a Phillips screwdriver. Lift the cap until the bottom disengages from the brass hex. Adjust the hand wheel up or

down one-half turn. Check the outlet temperature with a thermometer under the faucet and make sure that the temperature changed and the hand wheel turned without binding. Reset the correct outlet temperature, push the hand wheel down to lock the setting, and tighten the retaining screw.

PARTS LIST

Model No.	Description	Shipping Weight lb (kg)
UMV-304U	Three port UnderSink Thermostatic Mixing Valve intended for use in under counter and under sink applications for three port or four port applications. Four port adapter included with UMV-304U.	1.5 (0.68)

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Automation and Control Products Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386

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