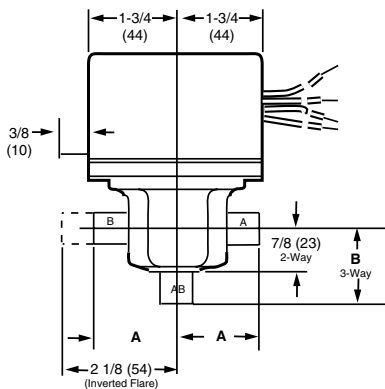
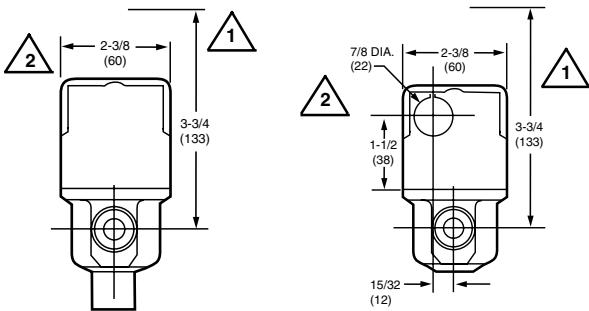


Dimensions :



VU53 and VU54 Valve Dimensions with Actuator



VU54 Valve with Actuator

VU32, VU53 Valve with Actuator

VALVE BODY SIZE	A	B
1/2" Sweat	1-5/16 (33)	1-5/16 (33)
3/4" Sweat	1-3/8 (35)	1-11/16 (43)
1" Sweat	1-11/16 (43)	1-11/16 (43)
1/2" NPT	1-7/8 (47)	1-7/8 (47)
3/4" NPT	1-7/8 (47)	1-7/8 (47)

- 1 HEIGHT NEEDED TO REMOVE ACTUATOR COVER.
- 2 OPENING FOR 1/2 INCH FLEXIBLE CONDUIT ON OPPOSITE SITE OF MANUAL LEVER FOR ALL MODELS.

Fig. 1 Mounting Dimensions in inches (mm).

INSTALLATION

When Installing this Product...

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

CAUTION

1. Disconnect power supply before connecting wiring to prevent electrical shock or equipment damage.
2. On 24V systems, never jumper the valve coil terminals even temporarily. This can burn out the heat anticipator in the thermostat.
3. **Wear safety glasses to protect eyes from injury when removing or installing the large spring clip that holds the actuator plate to the valve body.**  
**Use proper snap ring pliers to remove or install spring clip.**

Mounting

The valve can be mounted in any position on a vertical line. See Fig. 5. If the valve is mounted horizontally; the actuator must be even with or above the center line of the piping. Make sure to leave enough room above the actuator to remove the actuator or cover for servicing.

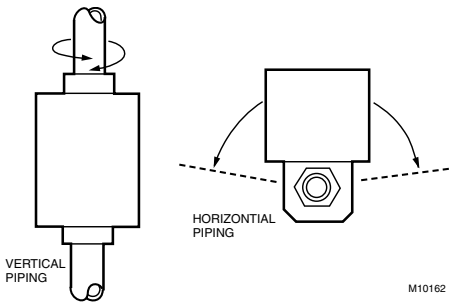


Fig. 5. Mounting positions.

Mount the valve directly in the tube or pipe. **Make sure that the flow through the valve is in the direction indicated by the arrow stamped on the 2-way valve body.**

On diverting valves, the three fittings or ports are labeled on the bottom of the valve body casting. Port AB is the inlet port and is open at all times. Port A is closed and port B is open when the valve is de-energized. Refer to the equipment manufacturer instructions to determine which port (A or B) should be connected to the coil bypass.

## Sweat Copper Models

1. Use new, properly reamed pipe, free from dents or corrosion.
2. Place the valve on the pipe. **Rotate valve stem** so that shaft slot points to notch in the side of the body (90° to flow directions.) See Fig. 6. This protects the plug inside the valve by removing it from the seat.
3. Sweat the joints, keeping the outer surface free from solder. **DO NOT use silver solder** because of the high melting temperature required.

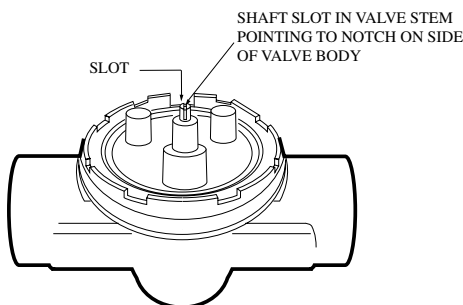


Fig. 6. Slot position.

## CHECKOUT

### Installing Actuator

**Note: VU-series actuator may be wired either before or after installation on valve body.**

1. Rotate valve stem so that shaft slot points to notch on side of valve body, per Fig. 6.
2. Set position lever on VU-series actuator to MAN. OPEN position.
3. Snap actuator onto body.

For instructions for operating the valve actuator, see the Product Data literature provided for the specific actuator.

## SERVICE

This valve should be serviced by a trained, experienced service technician.

1. If the valve is leaking, drain the system and check to see if the O-ring needs replacing.
2. If the gear train is damaged, replace the entire actuator. See the Installation section. If the motor is burned out, replace the motor.
3. **Wear safety glasses to protect eyes from injury when removing or installing the large spring clip that holds the actuator plate to the valve body.**

**Use proper snap ring pliers to remove or install spring clip.**

NOTE: Honeywell fan coil valves are designed and tested for silent operation in properly designed and installed systems; however, water noises can occur as a result of excessive water velocity or piping noises can occur in high temperature (higher than 212°F (100°C)) systems with insufficient water pressure. Valves are designed for normal cycling operations. Product life will be shortened if energized continuously or if operated above rated temperatures.