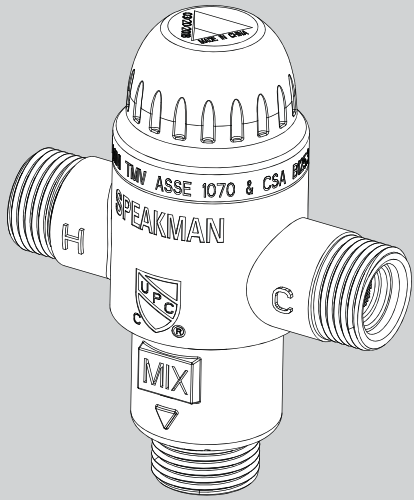


## INSTRUCTIONS FOR MODELS

### A-TMV Thermostatic Mixing Valve



#### NEED HELP?

For additional assistance or service please contact:

**SPEAKMAN®**

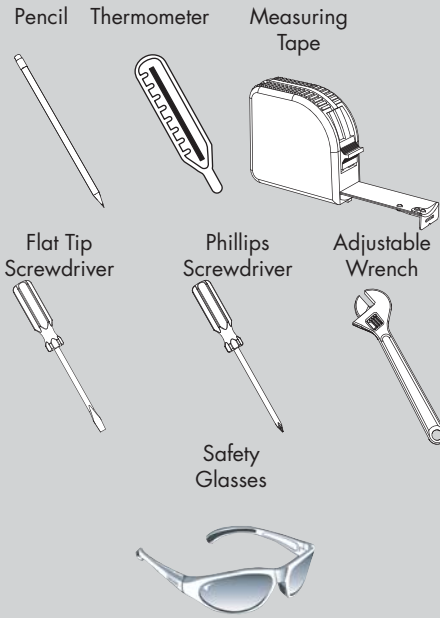
800-537-2107

customerservice@speakman.com

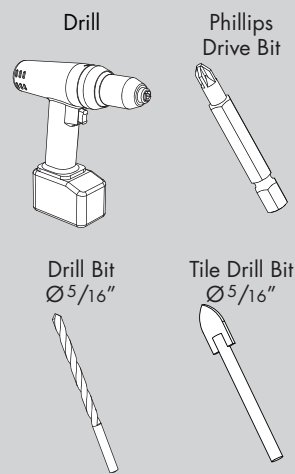
www.speakman.com

92-A-TMV-02

## TOOLS AND SUPPLIES



#### HELPFUL TOOLS & SUPPLIES:



## IMPORTANT

- Compliance and conformity to local codes and ordinances is the responsibility of the installer.
- Valve should be accessible for testing, adjustment and maintenance in the installed position.
- Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in supply lines can cause valves to malfunction.
- Ensure the mounting structure and mounting hardware can safely support the product in use.
- Do not over-tighten any connections or damage may occur.
- Be sure to read instructions thoroughly before beginning installation.

## IMPORTANT

#### SAFETY TIPS

Be sure to wear eye protection.

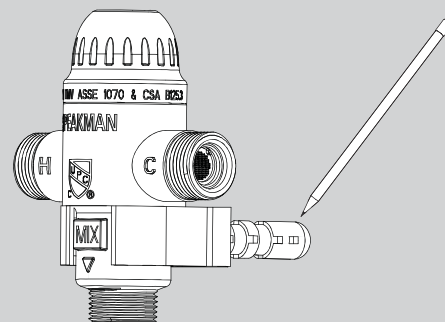
#### MAINTENANCE

See section "Testing the Mixing Valve".

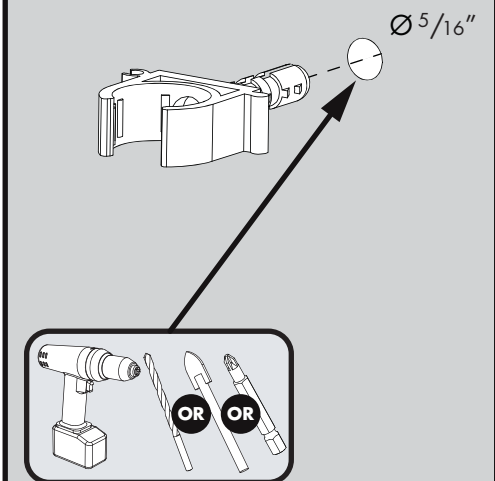
#### WARRANTY

Warranty information can be found at: [www.speakman.com](http://www.speakman.com)

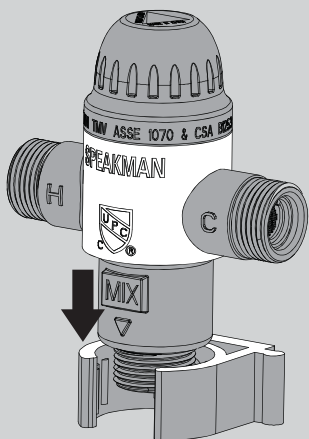
- 1 Determine desired mounting position of the A-TMV with Plastic Wall Bracket. Ensure mounting location is capable of supporting the product in use. Using a pencil, mark the hole location.



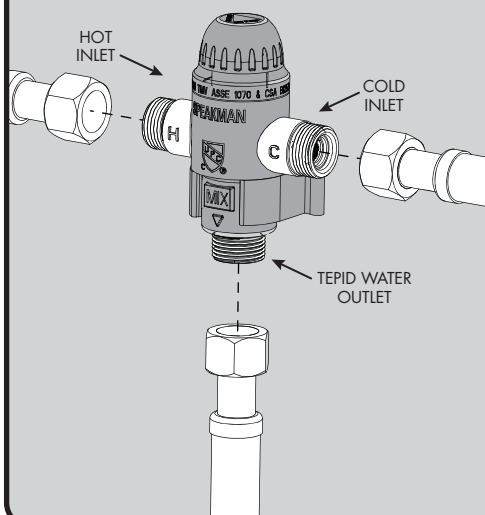
- 2 If mounting to drywall or tile, select appropriate 5/16" drill bit and drill guide hole at marked location. Install the Plastic Wall Bracket into the drilled hole and press/tap into place until the bracket is flush to the wall surface. Secure the Plastic Wall Bracket to the wall with the proper Mounting Screw (included).



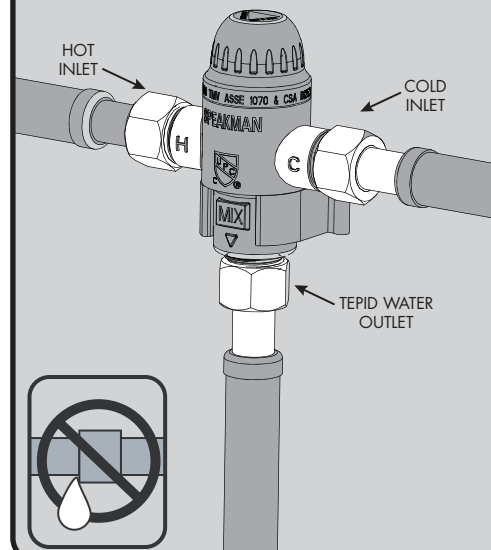
- 3 Ensure the A-TMV is vertical and the body rests on the top face of the Plastic Wall Bracket.



- 4 **Connect Supply Lines and Fixtures.**
  - Ensure incoming water supplies are turned OFF.
  - Install Inlet and Outlet connections to the valve. Wrench Tighten.



- 5
  - Check for leaks by pressurizing the unit SLOWLY.
  - Check the temperature and adjust if necessary.

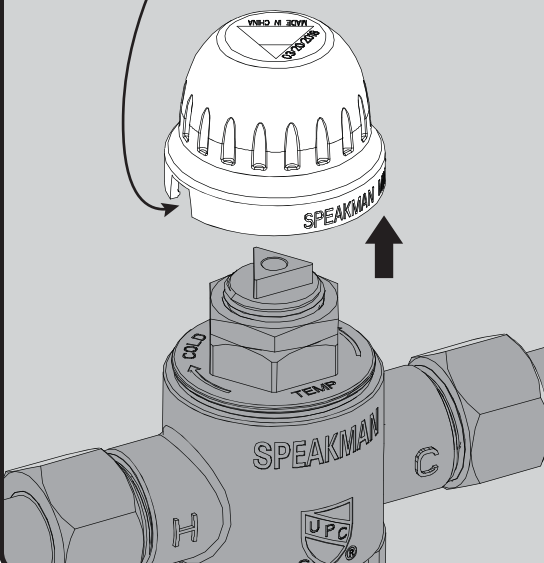


## CAUTION

When maintaining and adjusting the Mixing Valve, all fixtures should be isolated from use. Speakman recommends that appropriate personnel shall work safely at all times.

## 6 SETTING THE MIXING VALVE

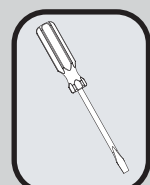
REMOVE THE CAP WITH FLAT TIP SCREWDRIVER FROM THE NOTCH ON THE CAP



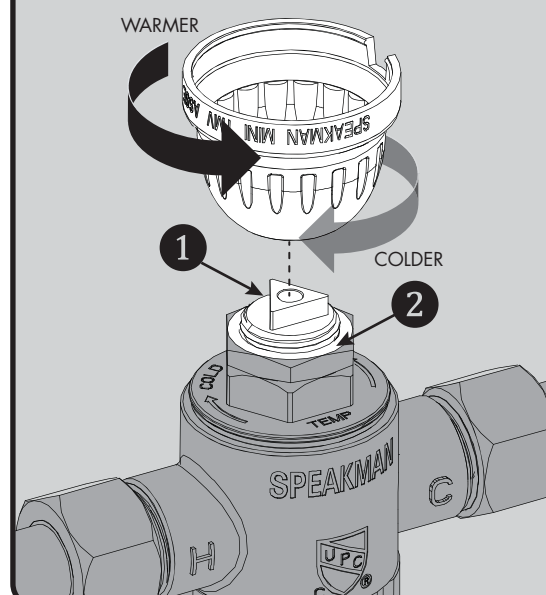
Should the Valve require adjustment, or an application require a different set temperature, proceed as follows:

#### Adjust Temperature with Water Running

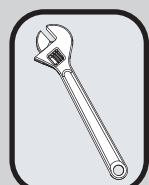
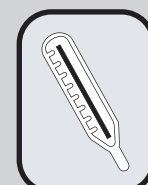
- Check the temperature with a stick thermometer.
- Contact proper medical and safety authorities to determine the correct water temperature for the specific application.
- Remove the Plastic Cap (White) from the Valve using a flat tip screwdriver.



## 7 SETTING THE MIXING VALVE



- Create a draw on the Mixing Valve by opening the faucet.
- Loosen, but do not remove the Locking Nut (2) using adjustable wrench. Invert Plastic Cap and align triangular recess in cap to the Adjuster Screw (1).
- Set the outlet temperature by turning the Adjuster Screw clockwise to reduce temperature, counterclockwise to increase temperature. Use a stick Thermometer to check the outlet temperature.
- Tighten the Locking Nut to avoid inadvertent adjustment of outlet temperature.



## 8 TESTING THE MIXING VALVE

After installation, test the Mixing Valve and the faucet it serves for proper operation by following the steps below.

### Valve temperature test procedure is as follows:

1. Activate faucet to observe and record the temperature with a stick Thermometer. If the temperature of the Thermometer is not correct, readjust the Mixing Valve according to the section "Setting the Mixing Valve".

## 9 REPLACING THE THERMOSTATIC ELEMENT

The Thermostatic Element's replacement procedure is as follows:

1. Shut off the hot water supply and cold water supply to the Mixing Valve.
2. Remove the Plastic Cap and disassemble the Valve Cap.
3. Remove Thermostatic Element in conjunction with the Shuttle from the Valve Body. No special tools are required.
4. Inspect the Thermostatic Element. If it feels slippery to the touch, then the Element has lost its wax and requires replacement. If the Thermostatic Element feels normal to the touch, then it is in good condition and operable.
5. Verify that the stainless steel Piston moves freely up and down within the Element's body.

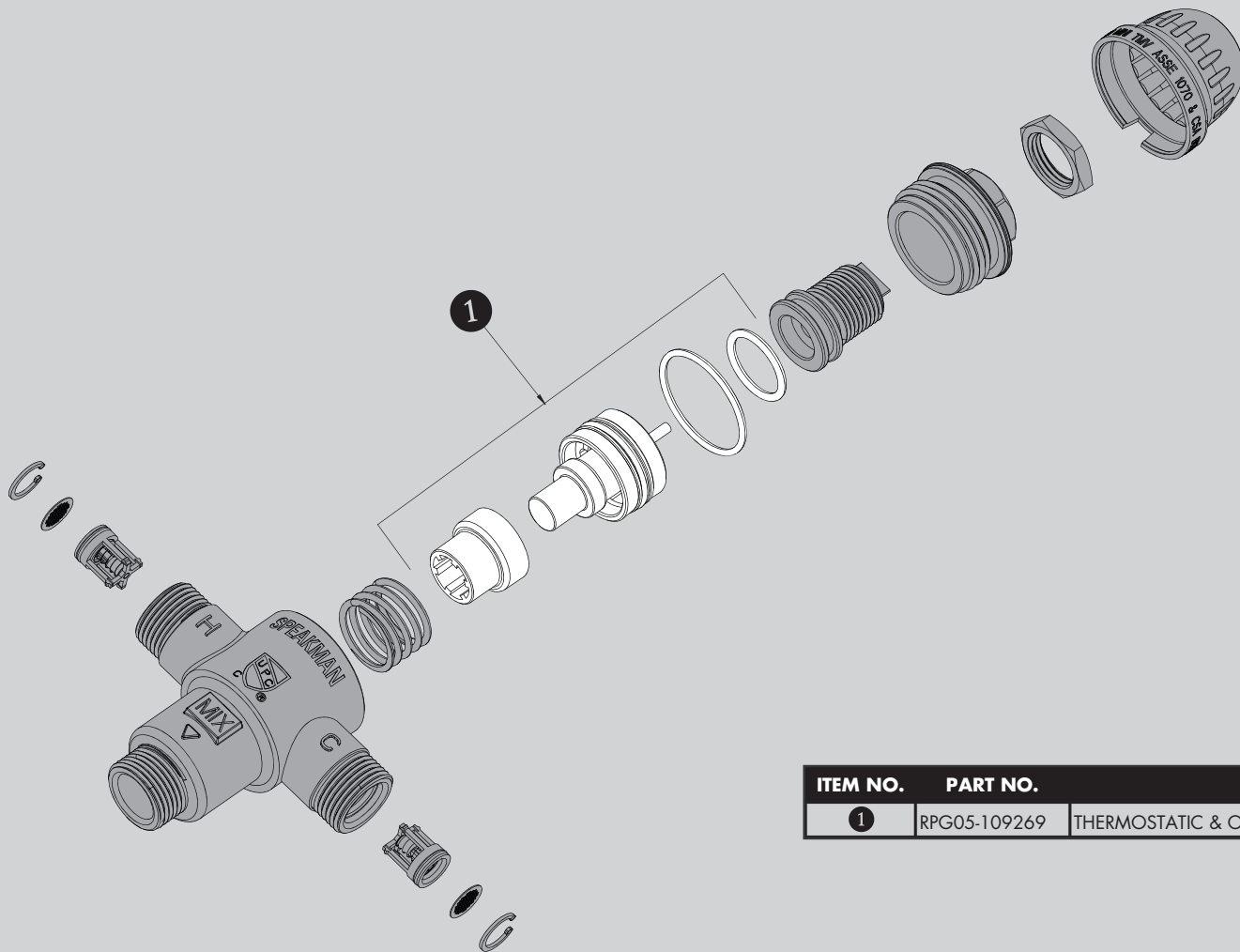
### Note:

Gallon per minute ratings may vary depending upon incoming water temperatures and pressures. Hot and cold water inlet pressures must be equal.

Provisions shall be made to thermally isolate the valve.

## A-TMV REPAIR PARTS

**SPEAKMAN®**



| ITEM NO. | PART NO.     | DESCRIPTION                      |
|----------|--------------|----------------------------------|
| 1        | RPG05-109269 | THERMOSTATIC & O-RING REPAIR KIT |

## A-TMV ROUGH-IN DIAGRAM

**SPEAKMAN®**

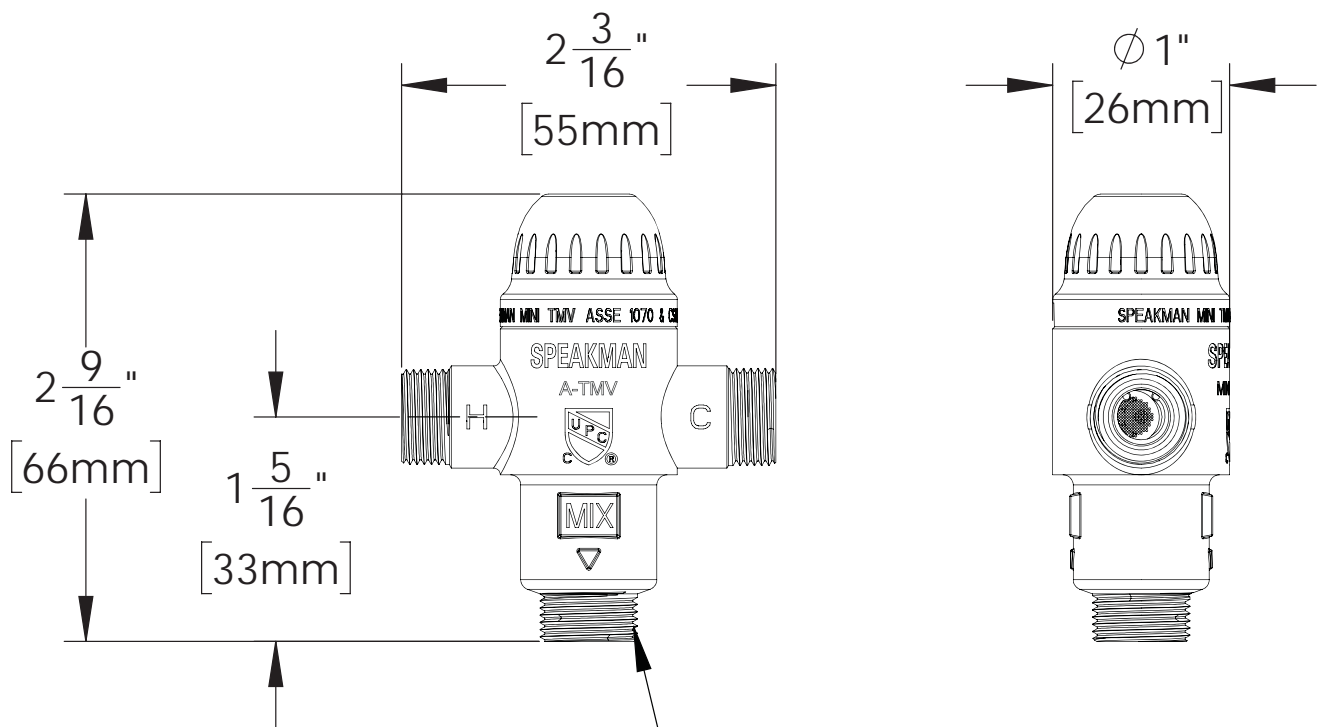
### NOTES:

#### COMPLIANCE:

ASSE 1070 & cUPC Certified

- Inlets: 3/8" Compression Male Threads
- Outlet: 3/8" Compression Male Threads
- Maximum Working Pressure: 125 psi (861.9 kPa)
- Rated flow at 30 psi (206.9 kPa) differential pressure: 2.16 GPM (8.2 L/min)
- Minimum flow rate: 0.35 GPM (1.3 L/min)
- Hot Water Inlet Temperature Range: 120° – 180° F
- Cold Water Inlet Temperature Range: 37° – 80° F
- Outlet Water Temperature Range: 80° – 120° F
- Minimum Temperature Differential (Hot to Mix): 18° F (10° C)

Contractor to supply necessary inlet connections.



9/16"-24 THREAD FOR  
3/8" COMPRESSION FITTINGS  
(3 PLACES)

### FLOW CAPACITY OF A-TMV

| PRESSURE DROP, | psi (bar)   | 5             | 10           | 15           | 20            | 30            | 40            | 45             | 50            |
|----------------|-------------|---------------|--------------|--------------|---------------|---------------|---------------|----------------|---------------|
|                |             | (0.4)         | (0.7)        | (1.0)        | (1.4)         | (2.1)         | (2.8)         | (3.1)          | (3.4)         |
| TEMPERED FLOW, | GPM (L/min) | 0.66<br>(2.5) | 1.2<br>(4.5) | 1.5<br>(5.7) | 1.74<br>(6.6) | 2.16<br>(8.2) | 2.51<br>(9.5) | 2.66<br>(10.1) | 2.8<br>(10.6) |

### NOTES:

1. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] UNLESS OTHERWISE SPECIFIED AND ARE SUBJECT TO CHANGE.