



## HYDRONIC TOWEL WARMERS INSTALLATION & OPERATING INSTRUCTIONS

948 Hercules Drive, Colchester, VT 05446    Phone: 800-698-9690 · Fax 802-654-7022  
www.Mysoninc.com

### ΔCAUTION:

1. Read this entire instruction manual thoroughly before beginning installation and save these instructions.
2. Follow instructions accurately to make certain the Towel Warmer is properly attached to the wall or floor. FAILURE TO FOLLOW THESE STEPS COULD RESULT IN PROBLEMS.
3. Do not use an abrasive or chlorine-based cleaner on the Towel Warmer. A mild detergent, used with a soft, damp cloth, will restore most units to their original luster. A soft, dry cloth may be used to polish. **\*\*Please make certain the unit is cold when it is cleaned.**
4. TO ENSURE FULL EFFICIENCY OF YOUR TOWEL WARMER, PLEASE FOLLOW ALL OF THE INSTRUCTIONS CAREFULLY, OBSERVING THE "CAUTION" NOTATIONS FOR EACH STEP.
5. Inlet water temperature should be no less than 120°F to effectively warm your towels and no more than 150°F. DO NOT EXCEED THIS LIMIT, A BURN HAZARD MAY RESULT!

**Brass constructed** Hydronic Towel Warmers may be used in an **OPEN (i.e. Domestic Hot Water) SYSTEM** in all states **but CA & VT**. (Myson Brass Constructed Hydronic Towel Warmers **DO NOT MEET** the applicable standards for lead content in CA & VT – Therefore, they **MAY NOT** be installed on **Potable Water Systems** in either state.)

**Stainless Steel constructed** Hydronic Towel Warmers may be used in an **OPEN (i.e. Domestic Hot Water) SYSTEM** in all states.

**Steel constructed** Hydronic Towel Warmers must be used in a **CLOSED SYSTEM**; they **CANNOT** be installed on a **Potable Water System**. If a closed loop Hydronic heating system is not available, we recommend the Two Gallon Electric Water Heater Connection, as pictured in figure 3. If a backflow preventer or check valve is used, be sure to include an Expansion Tank in the system.

**ΔCAUTION:** Installation of a Steel-bodied Towel Warmer on any Open System will void the Warranty, create a Health Hazard, and cause premature failure of the unit!

### READ COMPLETELY BEFORE BEGINNING.

**GENERAL:** The MYSON Hydronic Towel Warmer is designed to provide year-round warmth for warming towels and articles of clothing, while providing additional heat to the room. Larger units may be sufficient to serve as the sole heat source for a small bathroom.

**TOWEL WARMERS ARE HEAVY! WE RECOMMEND THAT TWO PEOPLE INSTALL THE TOWEL WARMER!**

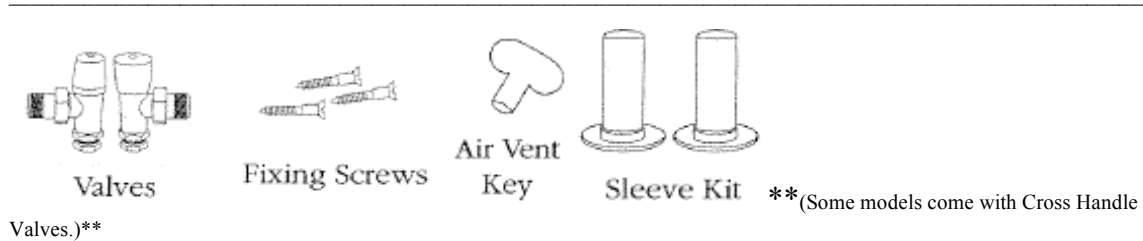
### STEP 1: PRE-INSTALLATION

- A. Select Installation Site: Make certain there is ample clearance on both of the sides and the back of the Towel Warmer. NOTE: This unit is supplied with the proper hardware for installation. Be sure wall construction is appropriate for hanging (see Step 3A).
- B. Before beginning the installation of any MYSON Hydronic Towel Warmer, please note the following:
  1. *Maximum operating temperature should be no higher than 150° F, (66°C).* Any working temperature higher than 150°F could create a potential burn hazard.
  2. MYSON Hydronic Towel Warmers take approximately 20-30 minutes to heat towels properly. For this reason we DO NOT recommend piping Towel Warmers through shower valves.
  3. MYSON Hydronic Towel Warmers can be safely operated year-round without turning them off.
  4. MYSON Hydronic Towel Warmers may be controlled by a timer or a thermostat that controls the system pump.
- C. Refer to rough-in information on back page.

**STEP 2: INSPECT MYSON TOWEL WARMER**

(*Note: Replacement parts are available for purchase should a part become damaged or lost during installation.*)

- A. Unpack the Myson Towel Warmer carefully to avoid any damage or loss of any part. When opening the box and unwrapping the Towel Warmer, be sure that the parts that come with the Towel Warmer, (i.e. brackets, flanges, air vent key, Loctite 565, and #10 mounting screws), are not accidentally discarded.
- B. It is your responsibility to immediately inspect the Towel Warmer for any damage. Shipping damage should be reported immediately to your place of purchase.
- C. Check for enclosed valves.

**STEP 3: INSTALLATION**

Carefully remove the protective wrapping and move the Towel Warmer into position.

**A. Mounting**

1. The MYSON **Classic & Traditional** Towel Warmers have been designed with integral fixed flanges. These will facilitate a permanent and secure mounting of the Towel Warmer to the wall or floor using the screws provided.

**\*PLEASE SEE PAGE 9 FOR MOUNTING INSTRUCTIONS FOR THE FOLLOWING MODELS: CMR, INT & MRR**

**\*\*PLEASE SEE PAGE 10 FOR MOUNTING INSTRUCTIONS FOR THE FOLLOWING MODELS: RHA, MAE & GAV**

**\*\*\*PLEASE SEE PAGE 11 FOR MOUNTING INSTRUCTIONS FOR THE FOLLOWING MODEL: COS**

**B. Valve Installation – Monoflo Piping is Strongly Recommended! (See Page 6 For Details)**

**NOTE:** *It is very important that the copper piping seats all the way into the valve body. To accomplish this, first dry-fit the valves on the copper stubs. Measure the difference between the centerline of the valve spud and the tapping on the Hydronic Towel Warmer. Cut this amount off the copper stub. THIS IS CRITICAL! If the copper is too short, the fitting will not seal.*

1. The valves are composed of a main body, a union connection, and a copper compression ring and nut located at the bottom of the valve. (Have the Sleeve Kit ready at this time.)
2. The Sleeve Kit consists of a small escutcheon plate and matching 3" piece of tubing used to cover the water pipe connections.
3. After having stubbed the copper tubing, place the sleeve and escutcheon plate over the exposed copper tubing.
4. Fit the compression ring on a scrap piece of copper pipe. Turn the compression ring on the pipe to stretch it. This will allow the compression ring to more easily slide onto the copper pipe stubbed in for the installation of your MYSON Hydronic Towel Warmer.
5. Place compression nut and ring onto the copper tube.
6. Next, remove the valves from the Towel Warmer and check to be sure that the valves are completely OPEN.

**IMPORTANT:** There are two valves which come with MYSON Hydronic Towel Warmers. One valve is permanently OPEN, but the other valve can be OPENED or CLOSED.

**Note:** The Cross Handle Valves seal only in the fully OPEN or fully CLOSED position. **USING THE VALVE TO THROTTLE THE WATER FLOW WILL RESULT IN A LEAK AT THE VALVE STEM!**

7. Remove union and nipple from valve. Apply provided Loctite 565 on the threads of the nipple. Hand tighten nipple to Towel Warmer. With an Allen Wrench inserted into the nipple, hand-tighten to secure appropriate fit. **DO NOT USE A PIPE WRENCH OR PLIERS!**  
**DO NOT OVER TIGHTEN – OVER TIGHTENING WILL CAUSE THE UNIT TO LEAK!**

**Note:** One to three threads may be visible when tightened.

8. Set valve into position and seat copper tubing into the base of the valve. Seat the union nipple into the valve and loosely tighten the union nut.

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**FOR MORE DETAILS ON INSTALLING THE MODERN & FF16 VALVE S SEE PAGE 4.**

**FOR MORE DETAILS ON INSTALLING THE CROSS HANDLE VALVES SEE PAGE 5.**

**FOR MORE DETAILS ON INSTALLING THE CROSS HANDLE VALVES SEE PAGE 6.**

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**CAUTION:** Do not turn the VALVE BODY, turn the NUT only! Turning the VALVE BODY will split the compression ring, making it impossible to get a good seal. **DO NOT OVER TIGHTEN!**

9. Turn the compression nut ¼ turn more to securely seal. Tighten union connection to valve. Repeat for second valve. Water is ready to be circulated through your MYSON Towel Warmer at this time.
  10. Connect the Towel Warmer to a hot water system using one of the options shown in this manual.
  11. When all connections are complete and the Hydronic Towel Warmer is installed properly, add water and vent the unit using the bleed valve located on the top rail at the back or the side, (will vary depending upon model), of the Hydronic Towel Warmer. *(Note: The key for the bleed valve is provided with the unit.)*
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#### **STEP 4: OPERATION & MAINTENANCE**

Your MYSON Hydronic Towel Warmer can be left on continuously without detrimental effect either to the Towel Warmer or the articles on it.

**IMPORTANT:** This appliance is intended for towels and similar fabrics that are washed in water. Fabrics that contain soap, laundry detergents, liquid fabric softeners or after bath oils residue may show what appear to be scorch marks. **THIS IS SIMPLY THE DISCOLORATION OF THE RESIDUE.** As stated, the Towel Warmer does not reach sufficient temperature to scorch fabrics.

***Myson, INC. is not responsible for fabric discoloration due to laundry detergents, liquid fabric softeners, soap, or after bath oils.***

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#### **REMINDER ON CLEANING YOUR MYSON TOWEL WARMER**

**Do not use an abrasive or chlorine-based cleaner on the Towel Warmer.**

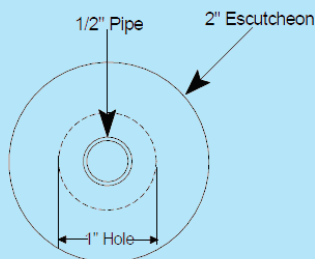
**A mild detergent, (we recommend Flitz), used with a soft, damp cloth, will restore most units to their original luster.**

**A soft, dry cloth may be used to polish the Towel Warmer.**

**Please make certain the unit is cold when it is cleaned.**



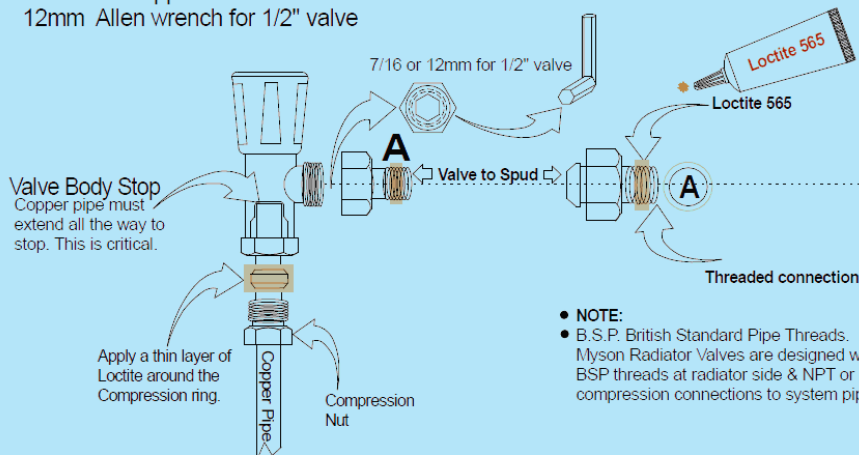
## Sleeve Kit & Modern Valve Installation



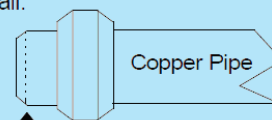
**NOTE:** MYSON products have **BSP** male and female threads. BSP threads are a straight running thread **NOT tapered like NPT**. Myson Radiator Valves are designed with BSP threads at radiator side & NPT or compression connections to system piping.

1. Clean all threaded surfaces (both external & internal).
2. Location (A) Apply a 360 degree bead of Loctite 565 to the leading thread of the male fitting, **leaving the first thread free**. Force the sealant into the threads to thoroughly fill the voids.
3. Using accepted trade practices assemble and wrench tighten fittings until proper alignment is obtained.
4. Properly installed fittings will seal to moderate liquid pressures in 30 minutes. For maximum pressure resistance allow the Loctite to cure for a minimum of 24 hours.

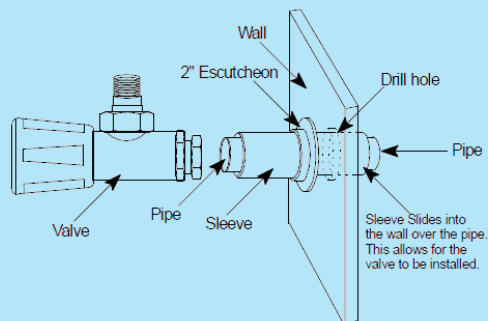
Thread the nipple to the towel warmer with a 12mm Allen wrench for 1/2" valve



**NOTE:** Fit the compression ring on a scrap piece of copper pipe. Turn the compression ring on the pipe. This will stretch the compression ring allowing it to slide on the copper pipe stubbed from the wall.



**NOTE:** File to a 45 degree angle and polish the pipe to allow Compression ferrule to fit easier.

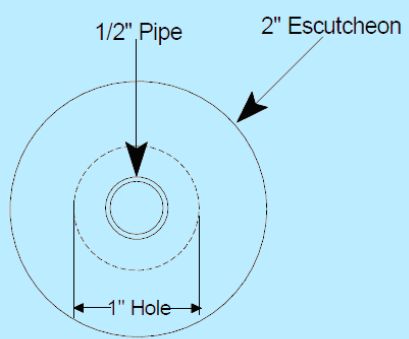


**NOTE:** Teflon tape may be used instead of Loctite. Wrap threads 7 - 8 revolutions.

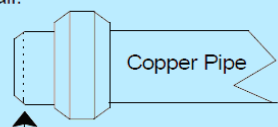
- **NOTE:**
- B.S.P. British Standard Pipe Threads. Myson Radiator Valves are designed with BSP threads at radiator side & NPT or compression connections to system piping.



## Sleeve Kit & Cross Handle Valve Installation



**NOTE:** Fit the compression ring on a scrap piece of copper pipe. Turn the compression ring on the pipe this will stretch the compression ring allowing it to slide on the copper pipe stubbed from the wall.

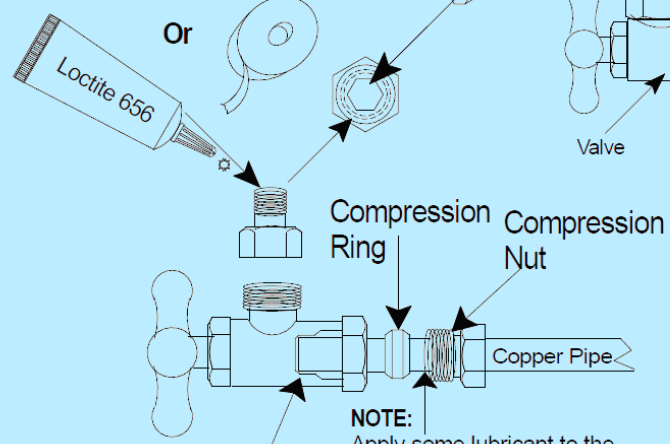
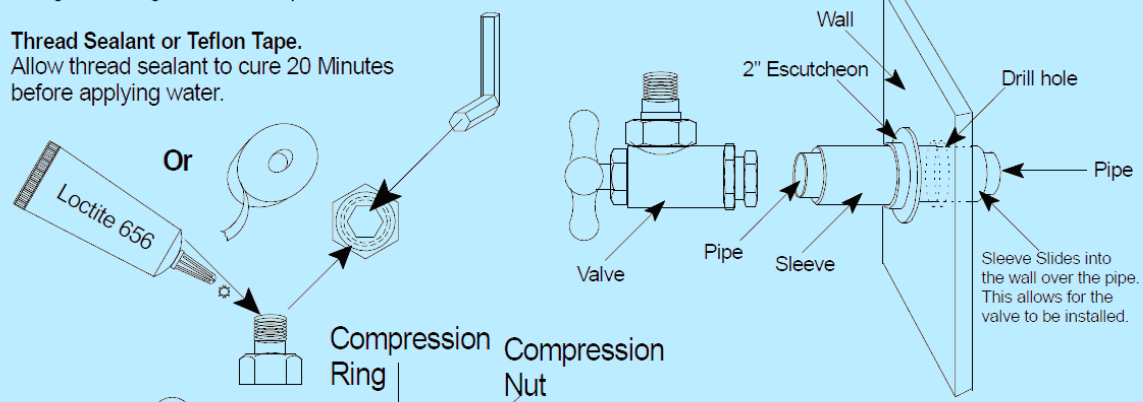


**NOTE:** File to a 45 degree angle and polish the pipe to allow Compression ferrule to fit easier.

**NOTE:** The Myson Towel warmers have BSP pipe threads not NPT. BSP threads are a straight running thread not tapered.

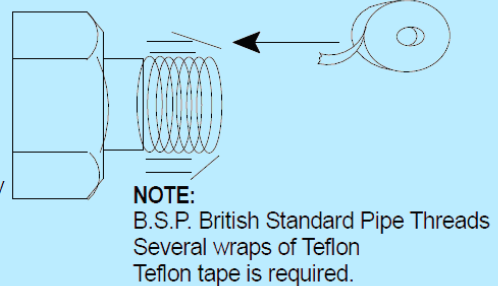
Thread the nipple to the towel warmer with a 12mm Allen wrench for 1/2" valve

**Thread Sealant or Teflon Tape.**  
Allow thread sealant to cure 20 Minutes before applying water.



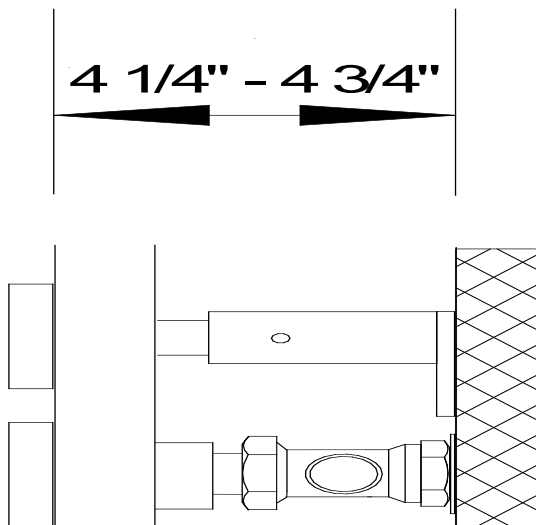
**Valve body Stop**  
Copper pipe must extend all the way to stop. This is critical.

**NOTE:** Apply some lubricant to the surface of the nut. This will allow the nut to turn easier when it contacts the ring.



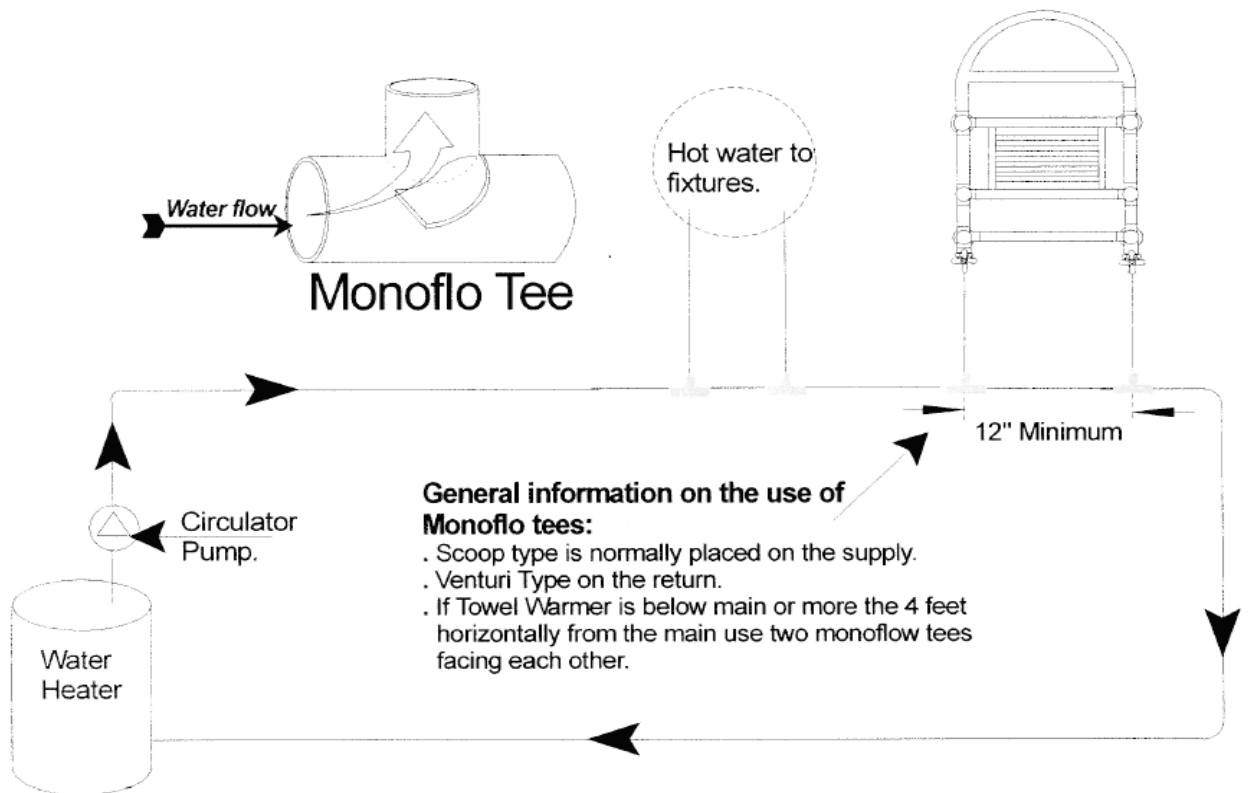
## Wensum Valve Installation

- . LKD16SN valve may be positioned with adjustment cap facing down or to the side
- . If using 1/2" copper be sure to seat copper in valve - overall projection will be 4-3/4"
- . If using 1/2" NPT nipple rough-in (shown) discard compression nut and ferrule - overall projection will be 4-1/4"
- . Escutcheons or sleeve kit are not included





Towel Warmer  
**MONOFLO PIPING**  
 For Constant Circulation System



This arrangement will allow the user to close the valves to the Towel Warmer without shutting off the circulator.

## MYSON INSTALLATION OPTIONS

### Two Gallon Electric Water Heater Connection

**GENERAL:** MYSON Towel Warmers require a hot water supply at a temperature between 120°F and 150°F. This connection scheme uses a stand alone hot water heater as the heat source. A small two gallon heater is all that is required.

1. Connect the Towel Warmer to the heater as shown in fig 3. The circulator pump should be installed on the hot water discharge of the mini heater. The return is connected to a return port on the mini heater or it may be joined with the cold water supply. A shutoff valve should be installed on the cold water supply. Install a pressure relief valve on the mini heater.
2. Open the Towel Warmer air vent using the vent key provided, and fill the Towel Warmer and mini heater with water by opening the water supply valve. Close the air vent and supply valve and allow the water to circulate. Venting may be required several times after heating in order to remove all of the entrained air.
3. Control the circulator pump using a thermostat, timer or manual switch.

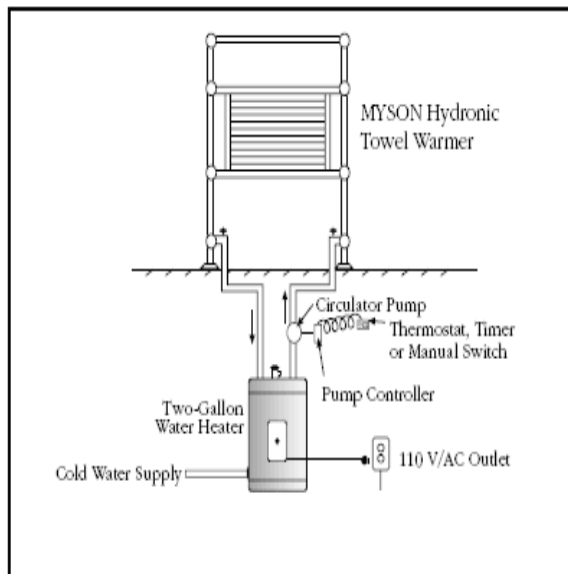


fig 3: Two Gallon Electric Water Heater Connection

### Hot Water Boiler Connection

1. Connect the Towel Warmer on a separate zone with the circulator pump on the feed line to the Towel Warmer as shown in fig 4.
2. Use a 3-way mixing valve to reduce the water temperature going to the Towel Warmer, not to exceed 150°F.
3. Fill and vent the Towel Warmer. Open the Towel Warmer air vent using the vent key provided. Close the air vent and allow the water to circulate. Venting may be required several times after heating in order to remove all of the entrained air.
4. Control circulator pump using a thermostat, timer or manual switch.

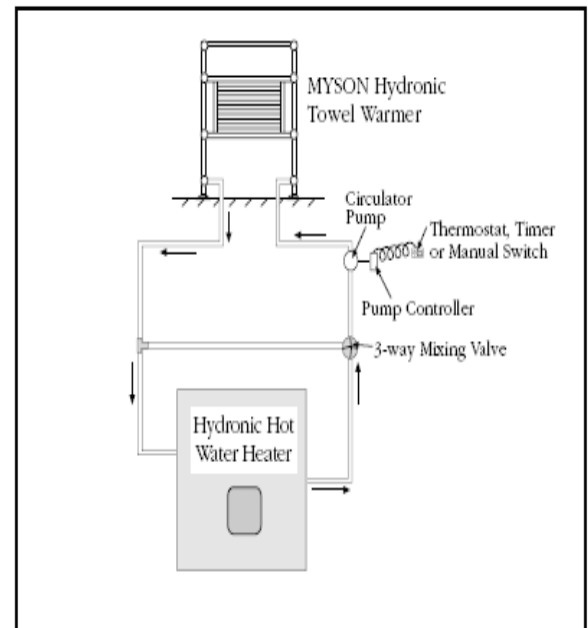


fig 4: Hot Water Boiler Connection

## MYSON INSTALLATION OPTIONS ...continued

### Steam Boiler (using condensate) Connection

1. Install a 3/4" bypass loop with full port ball valve from the condensate return to the hot water draw off. DO NOT connect to a steam line. MYSON Towel Warmers require water at a temperature not to exceed 150°F.
2. Connect Towel Warmer on a separate zone with the circulator pump on the feed line to the Towel Warmer as shown in fig 5.
3. Install a 3-way mixing valve connecting the Towel Warmer return and the feed from the boiler as shown.
4. Fill and vent the Towel Warmer. Open the Towel Warmer air vent using the vent key provided. Close the air vent and allow the water to circulate. Venting may be required several times after heating in order to remove all of the entrained air.
5. Adjust full port ball valve on the boiler bypass line to divert a portion of the condensate return through the boiler to add heat to the zone.
6. Balance system to attain a 150°F water temperature going to the Towel Warmer.

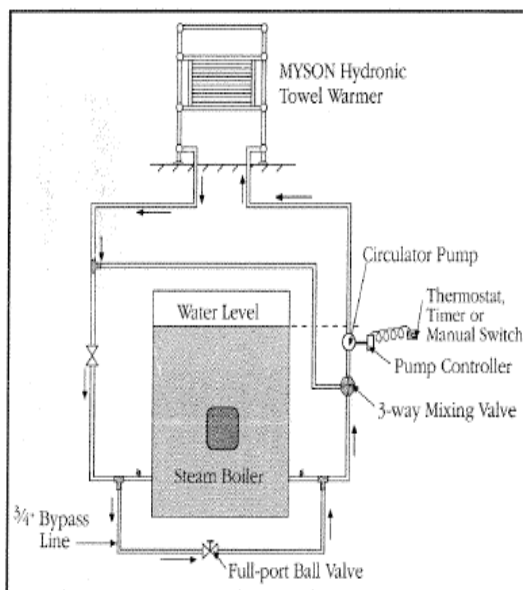


fig 5: Steam Boiler (using condensate) Connection

### Domestic Hot Water Heater Connection

1. MYSON Towel Warmers are brazed with lead free materials, and are compatible with open loop domestic hot water systems. See fig 6. Hot water temperature must be set to a maximum of 150°F.
2. Install a circulator pump on the feed line to the Towel Warmer. Connect Towel Warmer return with the cold water supply to the hot water heater. Provide a check valve on the cold supply as required by local codes.
3. Fill and vent the Towel Warmer. Open the Towel Warmer air vent using the vent key provided. Close the air vent and allow the water to circulate. Venting may be required several times after heating in order to remove all of the entrained air.
4. Control circulator pump using a thermostat, timer or a manual switch.

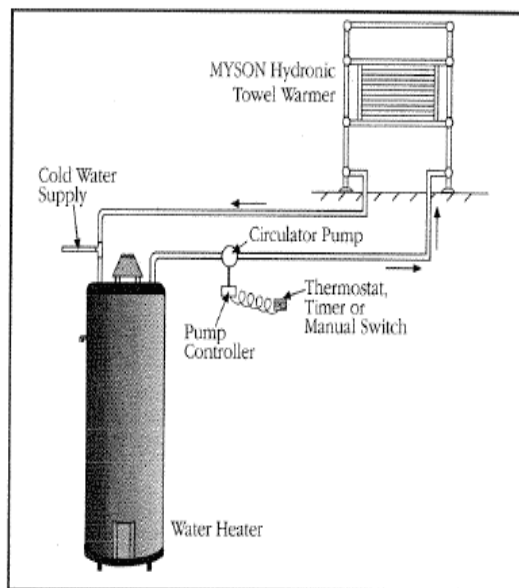


fig 6: Domestic Hot Water Heater Connection

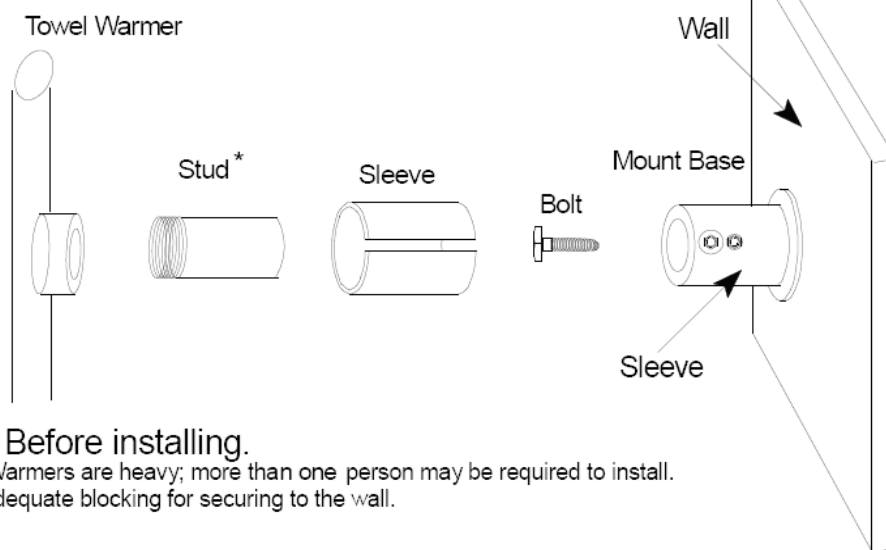
### Radiant Heat Systems Connection

1. For radiant heat systems which have available water temperatures greater than 150°F, follow the instructions for connection to hydronic (hot water) heating systems in fig 4.
2. For radiant heat systems operating at about 120°F, follow the instructions for connection to domestic hot water heaters in fig 6.
3. For low temperature radiant heat systems operating at less than 120°F, a separate heater is required. Follow the instructions for installation using an electric water heater in fig 3.



## FIXSIX Mounting Kit (HYDRONIC)

### Mounting Diagram for INT/MRR/CMR/SEN/CAD Myson part number (FIXSIX)



#### **NOTE:** Before installing.

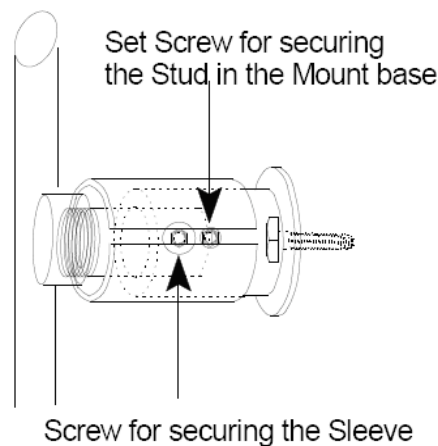
1. Towel Warmers are heavy; more than one person may be required to install.
2. Have adequate blocking for securing to the wall.

#### Installing the towel warmer.

**NOTE:** Map out the location where the towel warmer is going to go. The unit must be straight and level. MYSON has detailed drawings of the towel warmers available on our web site.

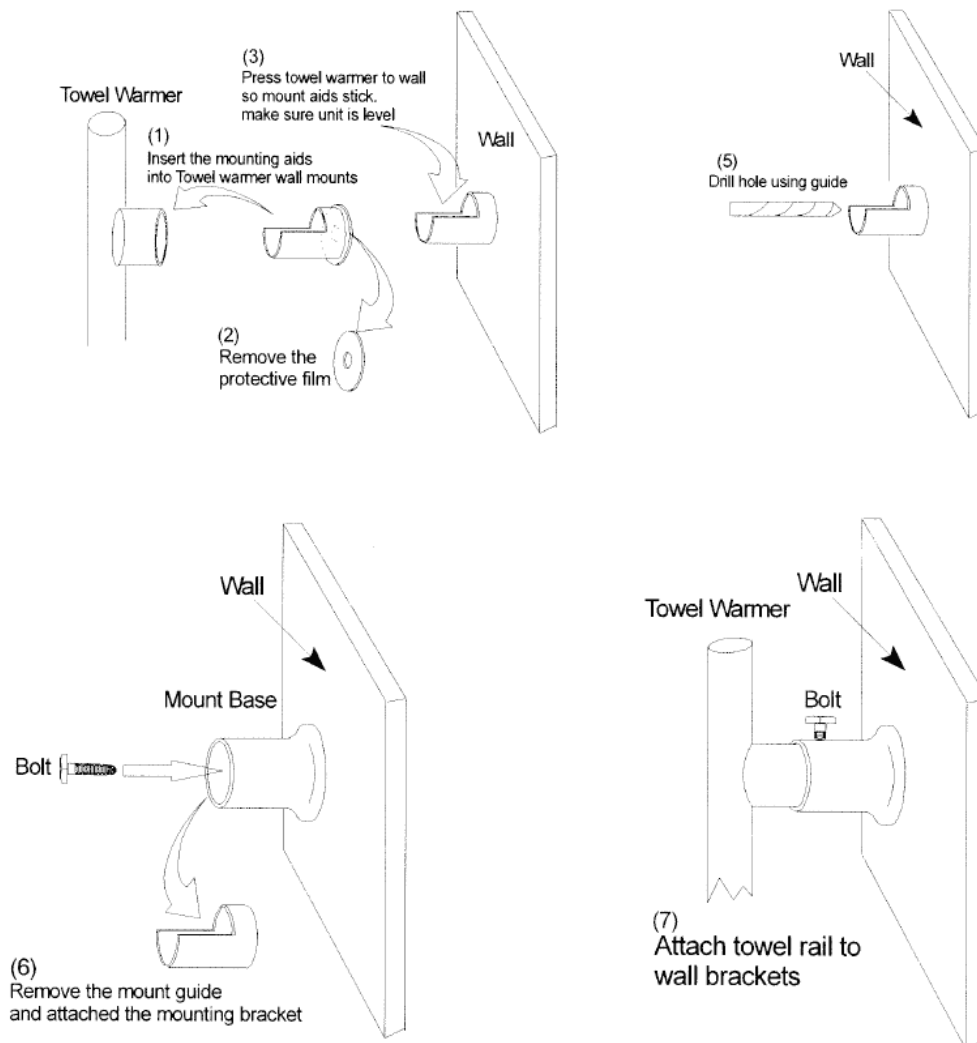
1. Secure the Mount base to the wall with the mounting bolt.
2. Screw the Stud into the Towel Warmer.
3. Slide the sleeve on to the Mount base.
4. Slide the towel warmer stud into the mount base
5. Adjust towel warmer so it is level and straight.
6. Secure the base mount set screw to hole the Stud in place.
7. Adjust the Sleeve to cover the exposed stud attach to the towel warmer and tighten the screw to secure the sleeve in place.

\* **NOTE:** The Interlude model insert studs have hooks that interface with the welded brackets on the towel warmer.  
MYSON P/N (FIXINT)

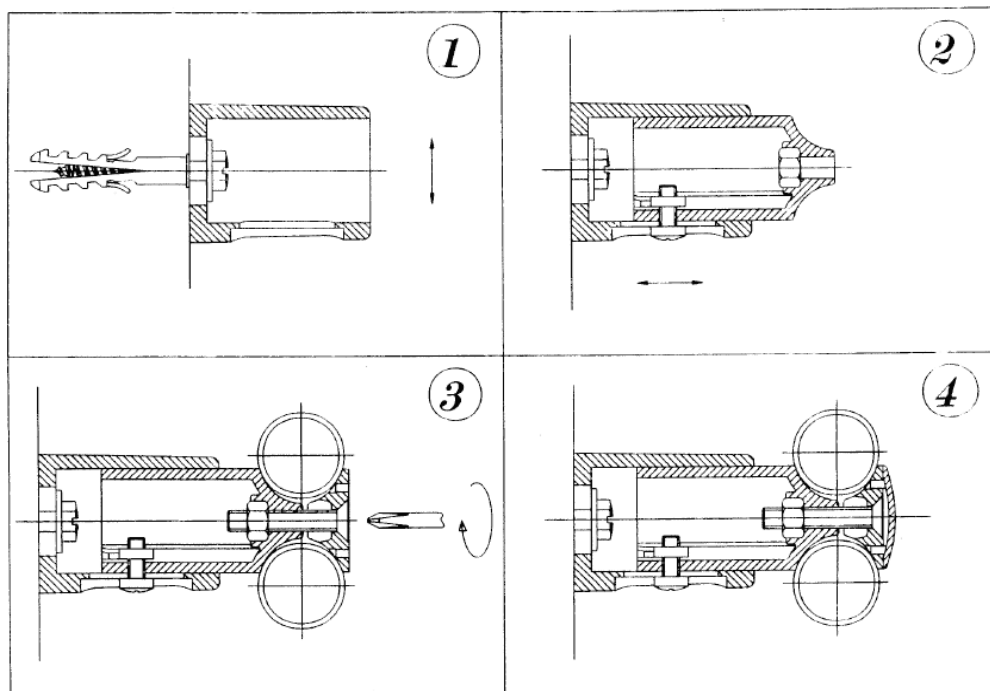


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## Mounting Diagram for MAE / RHA / GAV



Visit us on the web at: [www.mysoninc.com](http://www.mysoninc.com)



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**MOUNTING BRACKET COS/ECOS**

