



# MYSON

## *Decor Radiators* **Installation Manual**



### **INSPECT FOR DAMAGE.**

**NOTE:** Inspect materials for concealed shipping damage. You only have 11 days to file a freight claim. If items are damaged or missing please call Myson at 1-800-698-9690.



### **INSPECTION FOR COMPLETENESS**

**Un-pack the Decor Radiator carefully to avoid damage or loss of parts.**

The Decor Radiator should come with the following parts.

- . Wall brackets
- . Plastic inserts for noise suppression
- . Stainless steel solid plug
- . Vent Plug

## **INTRODUCTION**

The Myson Decor Radiator will keep any room in comfort and style. We at Myson Inc. thank you for your purchase of the Decor Radiator. Each radiator combines Myson's compact design and advanced steel construction with a durable baked epoxy/polyester enamel power coat finish. Myson's sleek styling and thorough testing provides attractiveness and dependability. Myson's goal is to assure the highest performance, quality, reliability and outstanding customer service.



### **CAUTION**

1. Read this entire instruction manual thoroughly before beginning installation.
2. To ensure full efficiency of your Myson Decor Steel Panel Radiator, please follow all the instructions carefully observing the caution notes for each step.
3. Failure to follow to follow these instructions will invalidate the manufacturer's warranty.



### **Application:**

Myson radiators are only for use in recirculating closed loop hydronic-heating systems. These radiators are not recommended for gravity systems. Myson Décor Radiators are designed to work with a maximum working pressure of 66 PSI and no more than 230 degrees F water temperature.

**DO NOT USE STEAM IN THESE RADIATORS.**



### **Design and layout conditions:**

Myson Decor Radiators should only be used with a recirculating pump closed loop hydronic heating system. Please consult national and local codes for specific restrictions that may be imposed on your installation. Position your radiator away from your circulator pump to avoid either excess pressure that could force water out through the integral air vent or suction that could draw air into the system. The preferred positioning for the Decor radiator is below a window where it can minimize downdrafts from glazed areas.

Myson Radiators may be hot to the touch. Generally the surface temperature is at 10-12 degrees Fahrenheit below system water temperature. Care must be taken to consider room occupant's ability to sense or understand that radiators may be hot.

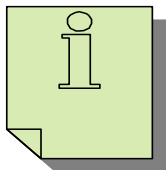
Should radiator surface or system water temperature be an issue please contact MYSON at 1-800-698-9690 for information on the MYSON LST radiators LST-(Low Surface Temperature) Radiators can be a viable solution where temperatures are a safety concern.

## Information Symbols

**NOTE: You will see these symbols within the text of this manual, drawing your attention to important information.**



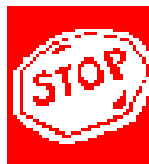
Myson products are designed to be installed by professional trades people. Myson instructions are meant to be thorough; however it is assumed that the installer has the appropriate technical knowledge related to buildings codes, standard trade practices, and proper use of the tools of the trade. Should a homeowner without such knowledge or skill take it upon him/herself to attempt the installation, Myson will not be responsible for any damages, injuries or unsatisfactory performance of the Myson product used.



Information following this symbol indicates that it is important for the correct installation or use of the product. Failure to heed this information may affect the performance or useful life of the product. Risk of property damage or personal injury is low.



Information following this symbol must be followed without exception. Failure to follow these directions could result in moderate property damage or the possibility of personal injury.



Information following this sign must be carefully followed without exception. Failure to do so could result in significant and extensive property damage or serious personal injury or death.

# MYSON

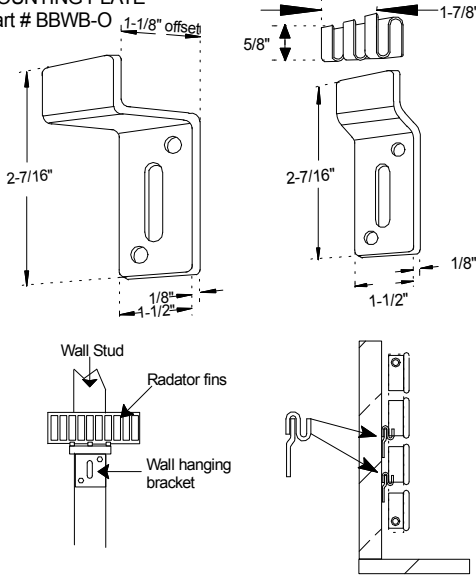
948 HERCULES DRIVE, SUITE 5  
COLCHESTER, VT 05446  
1-800-698-9690  
FAX 802-654-7022



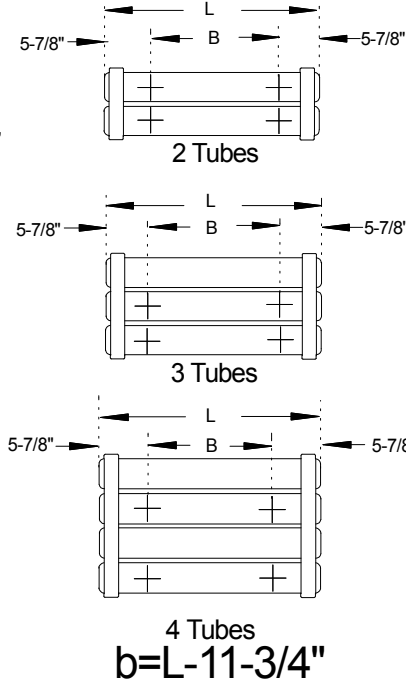
### H11 Baseboard Flexible Along All Fins

Extended Bracket Optional.

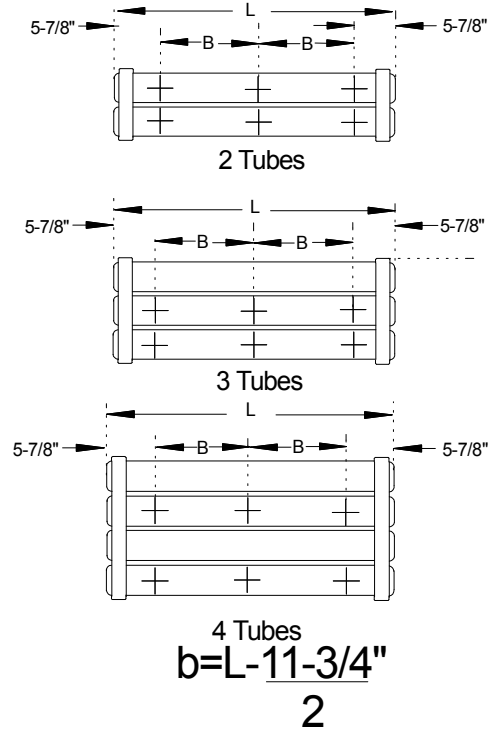
OPTIONAL 1-1/8" OFFSET  
MOUNTING PLATE  
Part # BBWB-O



### 24" to 48"

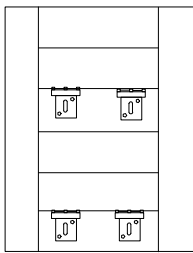


### 51" to 96"



### H11 Radiator

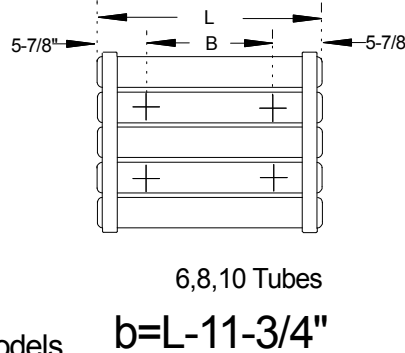
### H22 Radiator



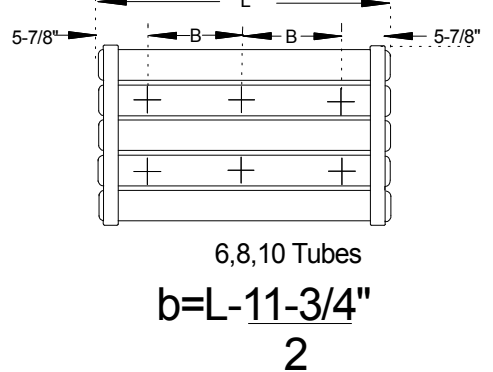
Wall Mounted.

Standard mounting system for all models

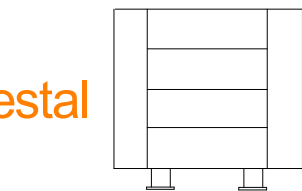
### 24" to 48"



### 51" to 96"

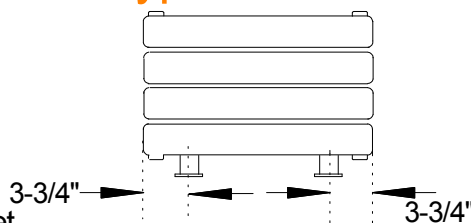


### H28 Pedestal

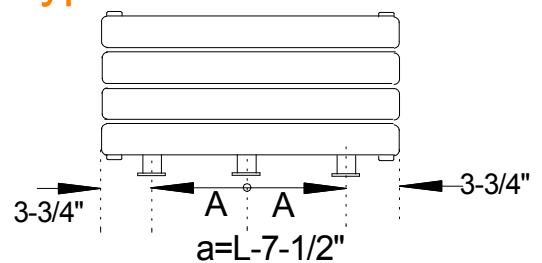


Mounting with adjustable feet  
3-1/2" to 4-3/4"

### Type H L=39"



### Type H L=55" to 87"





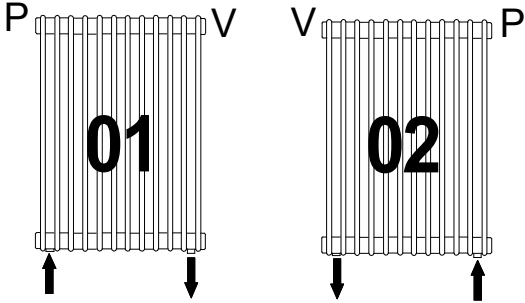
# MYSON

## Decor Vertical Radiators TS4 Connection Options



### CONNECTIONS:

Myson Radiators come with two 1/2" BSP connections located at the bottom of both sides on the radiator. (01 is standard)



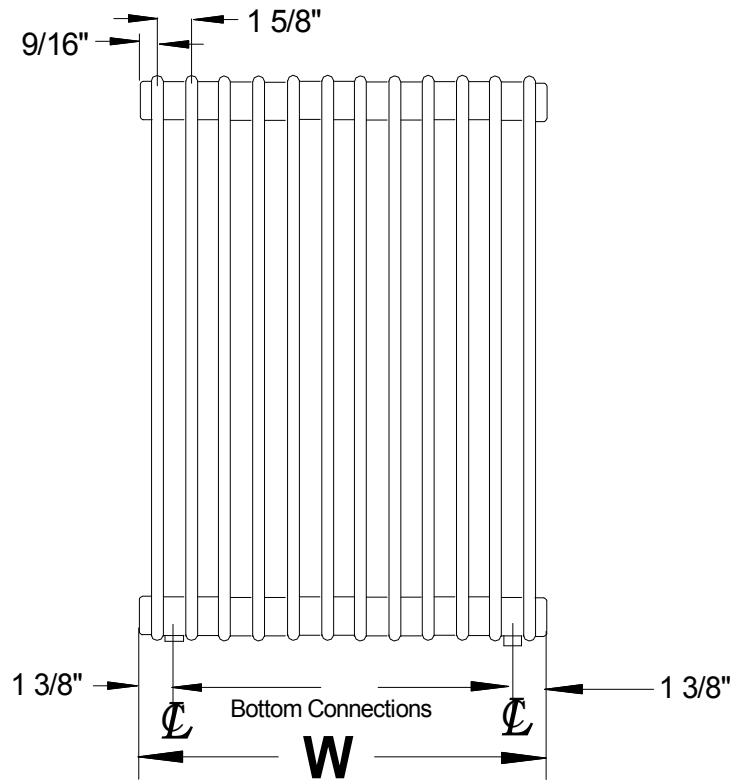
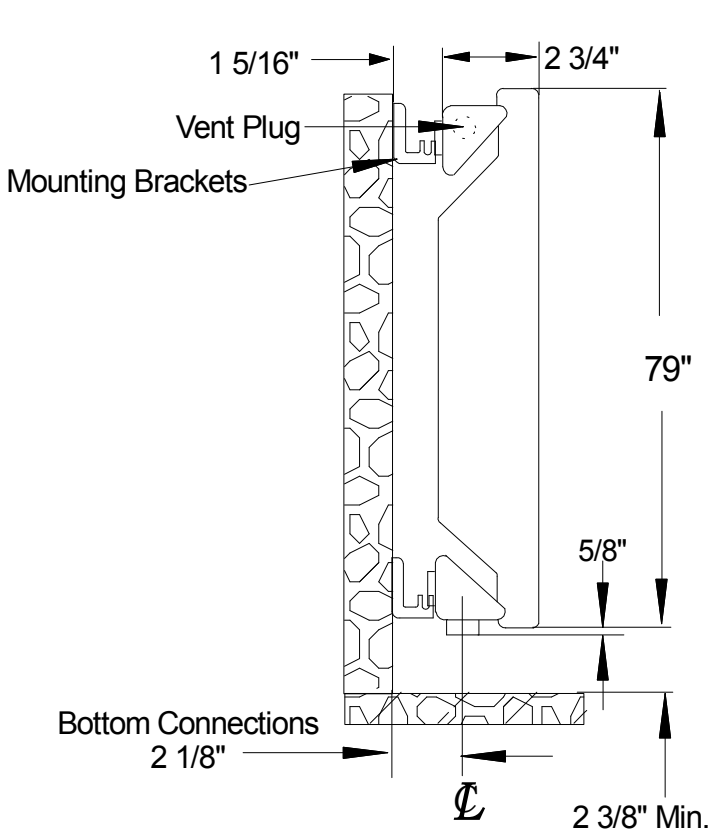
**Optional tappings available on special orders.**

V = vent (1/4 in BSP)

P = Blind Plug / Drain

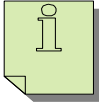
→ = Water inlet

← = Water outlet



**All Myson Radiators are shipped with nylon paint plugs. All plugs must be removed & replaced by the appropriate stainless steel plug, vent or valve. Failure to use Myson supplied plugs may result in significant water damage!**





**Step # 1.** (A) Determine Supply and return pipe location for your size radiator.

**Step # 2.** (B) Place the hangers in the center of the mounting bracket

**NOTE:** *The hanger needs to be in the center of the bracket to allow for variance.*

**NOTE:** *Install the plastic inserts on the hangers .*

**NOTE:** (C) The radiators must be a minimum of 4" off the floor.

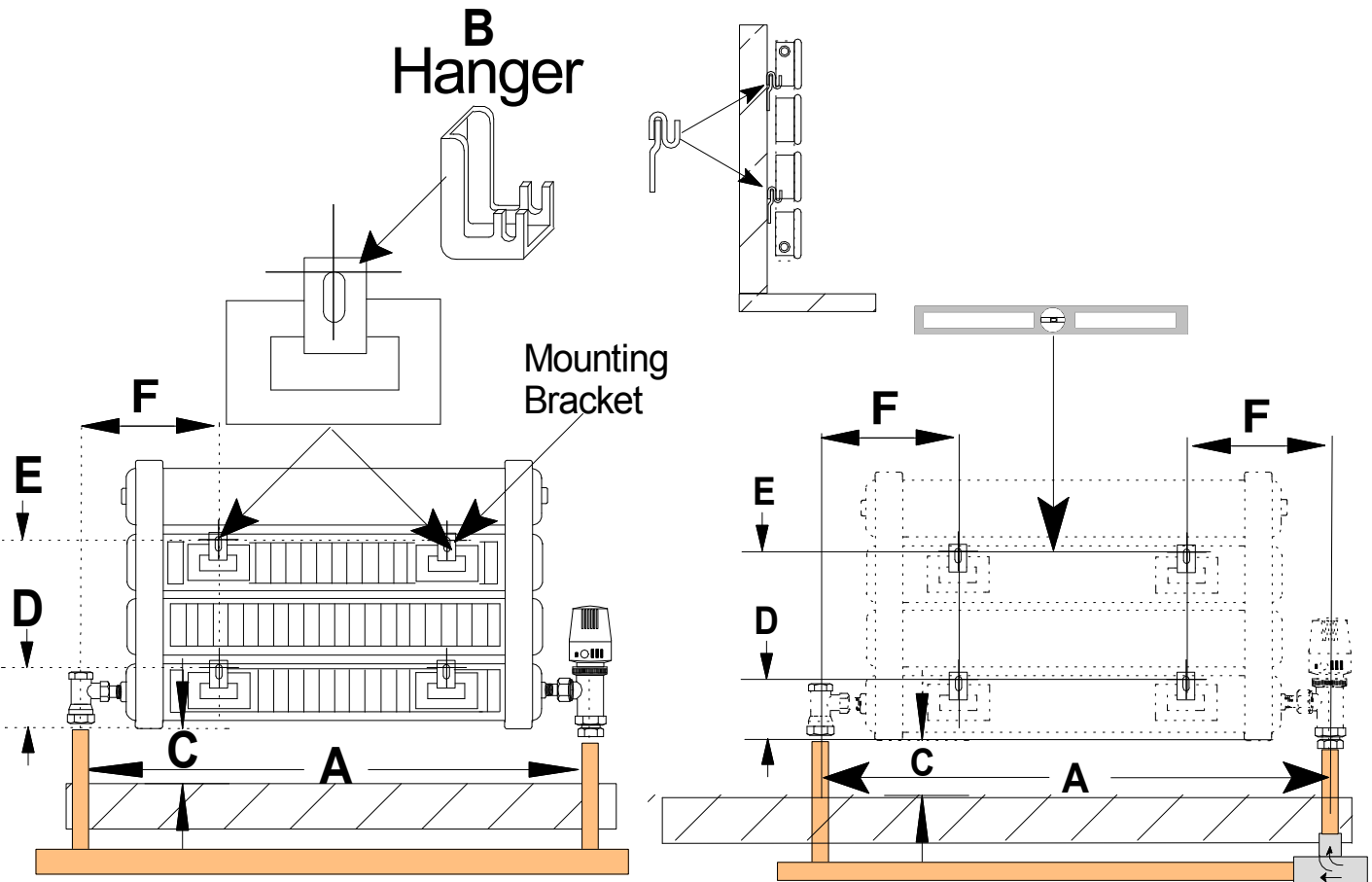
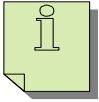
**Step # 3.** (D) Measure the distance from the bottom of the radiator to the hanger and add 4" for step # 3.

**Step # 4.** (E) Measure the distance from the bottom of the radiator to the top hanger and add 4" for step # 3.

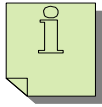
**Step # 5.** (F) Measure the distance from the center of the supply or return pipe to the center of the hanger.

**NOTE:** *Use a level to mark the hanger locations on the wall.*

**NOTE:** *Attach the hangers with suitable hardware. Adequate blocking is recommended to support the weight of the radiators.*



**Many MYSON products are in excess of 70 pounds. Care should be taken to have help to lift larger radiators into place to avoid lifting injuries.**



**Step # 1.** (A) Determin Supply and return pipe location for your size radiator.

**Step # 2.** (B) Measure the distance from the floor up 4".

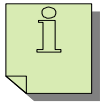
**NOTE:** *The radiators must be a minimum of 4" off the floor.*

**NOTE:** (C) Measure the distance from (B) to (C) the bottom of the fins.

**NOTE:** *This is the height of the lower hangers*

**Step # 3.** (D) Measure the distance from the bottom of the radiator to the bottom of the upper fins.

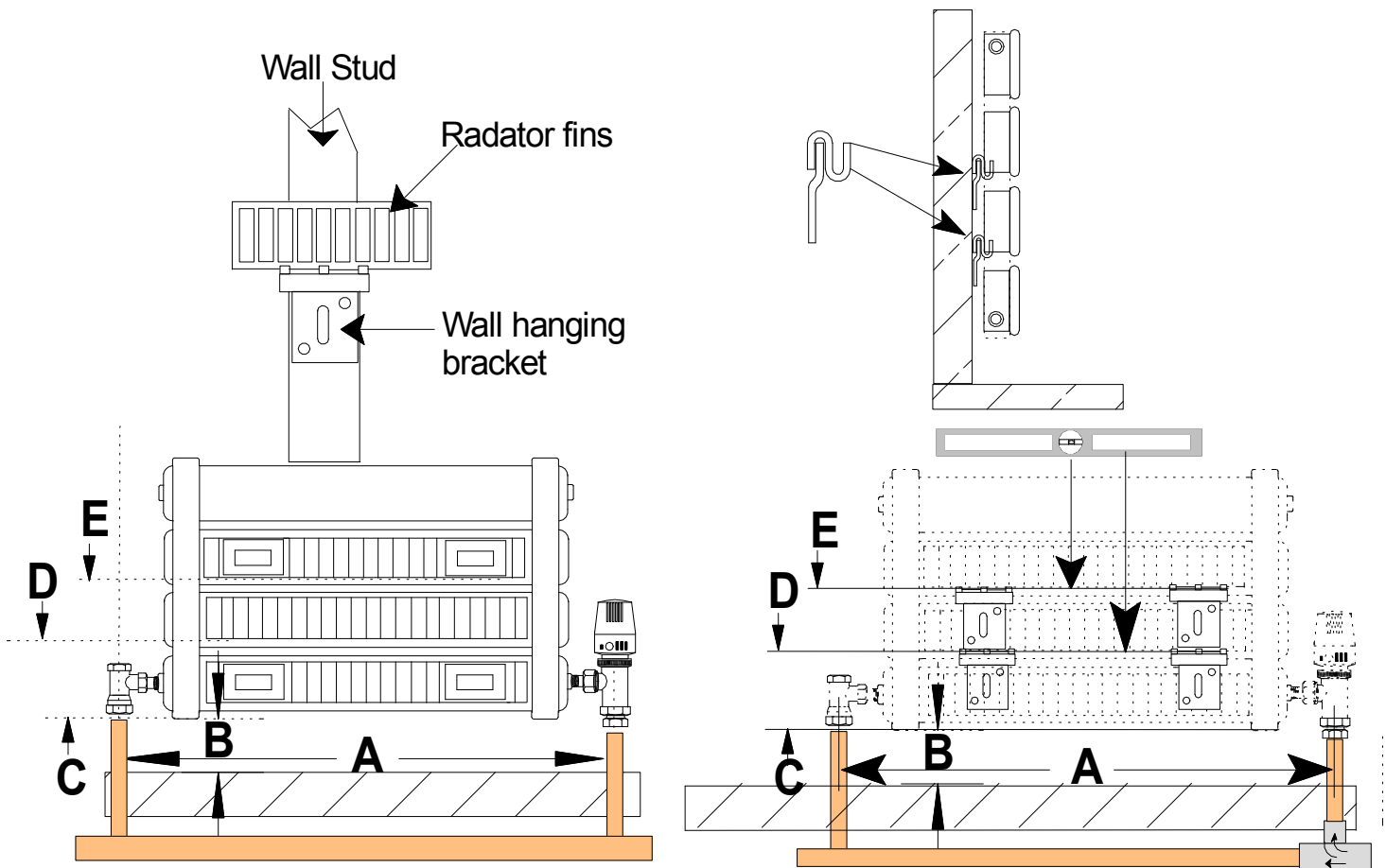
**Step # 4.** (E) Measure the distance from the bottom of the radiator to the top hanger and add 4" for step # 3.



**Step # 5.** (F) Measure the distance from the center of the supply or return pipe to the center of the hanger.

**NOTE:** *Use a level to mark the hanger locations on the wall.*

**NOTE:** *Attach the hangers with suitable hardware. Adequate blocking is recommended to support the weight of the radiators.*

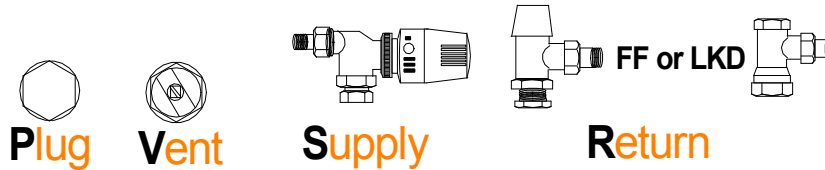


**Many MYSON products are in excess of 70 pounds. Care should be taken to have help to lift larger radiators into place to avoid lifting injuries.**



### CONNECTIONS:

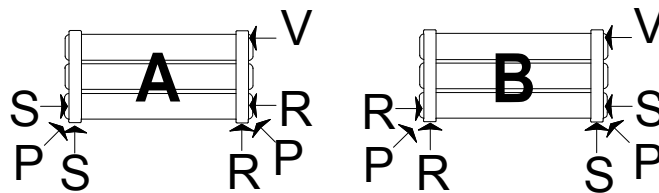
1. Myson Decor baseboard Radiators come with four 1/2" BSPT connections located at the side and the bottom of both sides of the radiator.



### 2-3-4 Tube Connection Arrangements

Tapping locations are on the top and bottom and side of the units.

**NOTE: Plug ports not being used.**



Myson Decor Radiators have four 1/2" BSPT connections located at the top and bottom of both sides of the radiator.

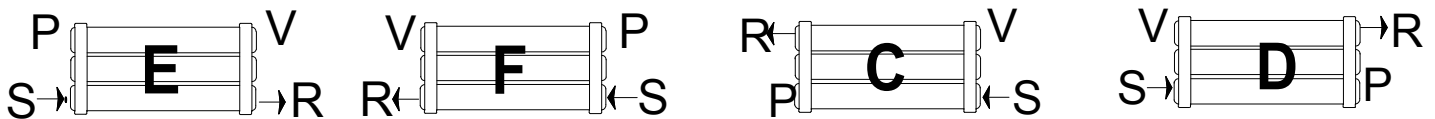
### 6-8-10 Tube Connection Arrangements

Tapping location are on the sides of the units.

Preferred methods A,B



Alternate methods E,F, derate radiation by 5%

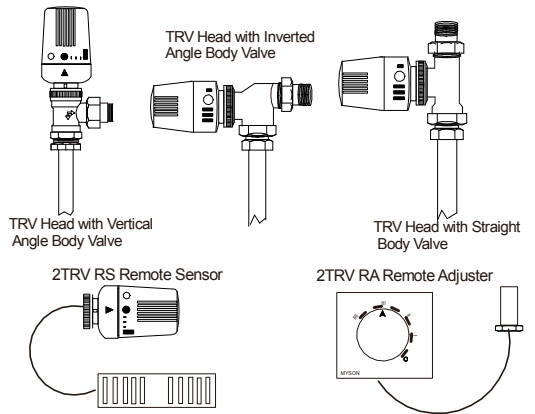
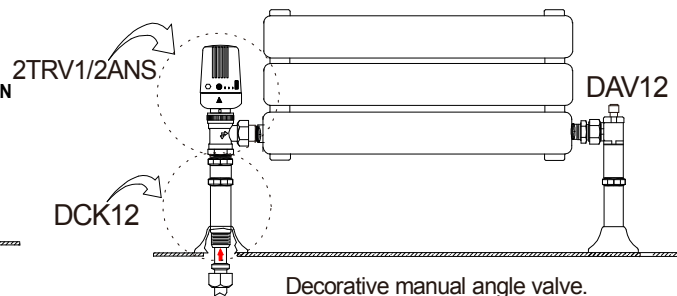
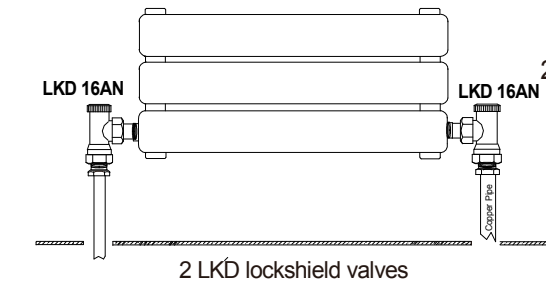
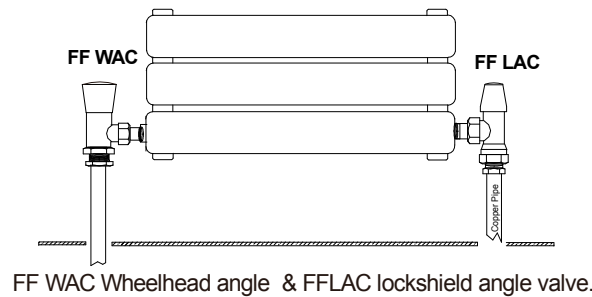
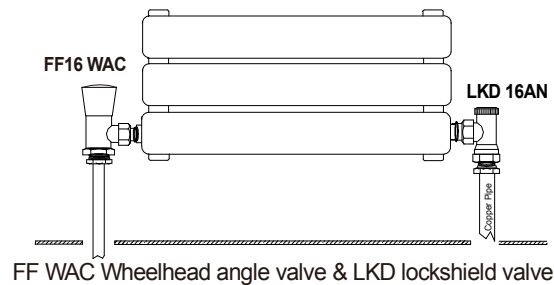
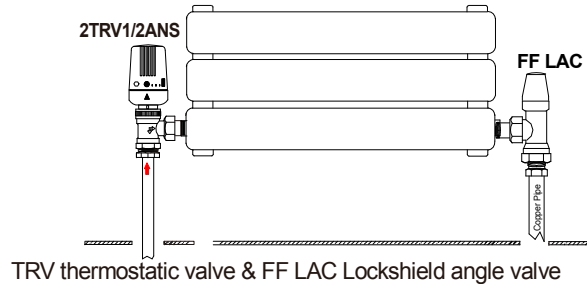
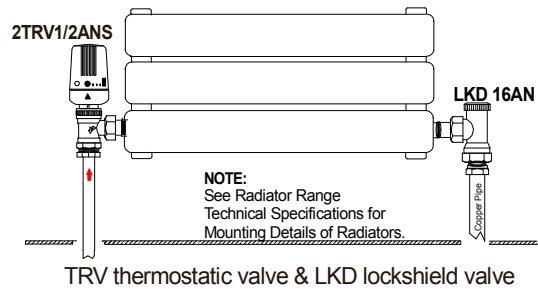


**NOTE: Myson Radiators have British Standard Pipe Threads.**

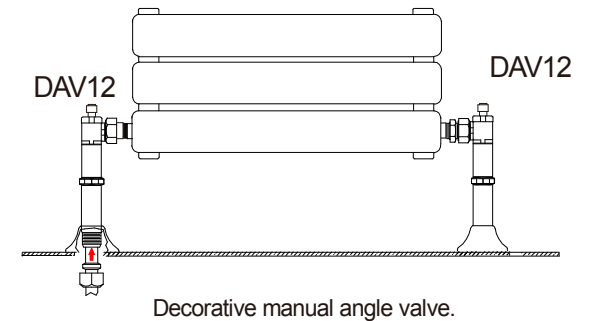
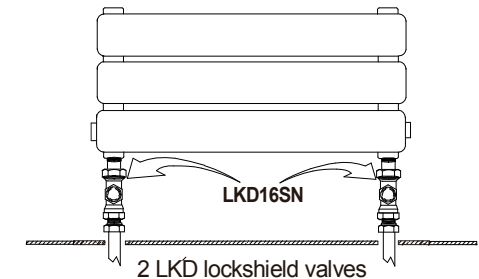
All Myson Radiators are shipped with nylon paint plugs. All paint plugs must be removed & replaced by the appropriate plug, vent or valve. Failure to use Myson supplied plugs may result in significant water damage!



## Decor H11 ,2,3,4 tube Radiator Connection Options



For best accuracy 2TRV2 head should be in a horizontal position away from heat source. Remote Sensor or Adjuster heads are available



(FF LAC)... Valve is set full open and white knob will not turn. Angle only.

(FF WAC)... Valve white knob can turn to open or close the valve. Angle only.

(LKD)..... Manual valve, has chrome cap that can be removed exposing an adjustment screw to open or close the valve. Angle or straight.

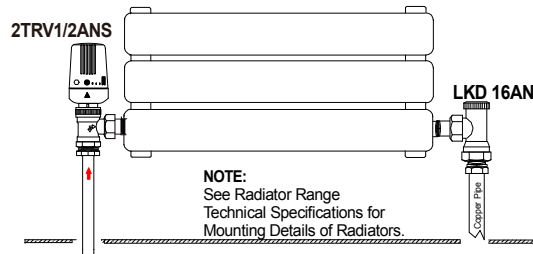
(TRV)..... Valve is a non electric thermostatic valve that modulates water flow in response to changes in room temperature and closes when set temperature is achieved **NOTE:** This valve will not turn on or shut off your heating system. Horizontal angle, vertical angle or straight pattern.

(DCK12)..... Pipe extension with compression fitting and escutcheon for use with the 2TRV1/2ANS valve.

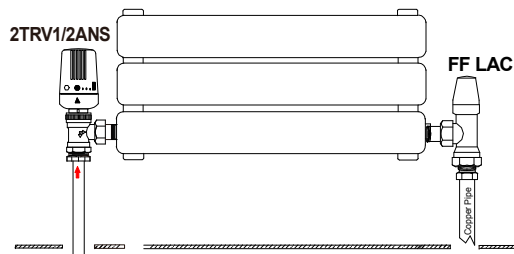
(DAV12) ..... Manual valve, Adjust flow with allen wrench. Valve comes with chrome pipe extension with compression fitting and escutcheon .



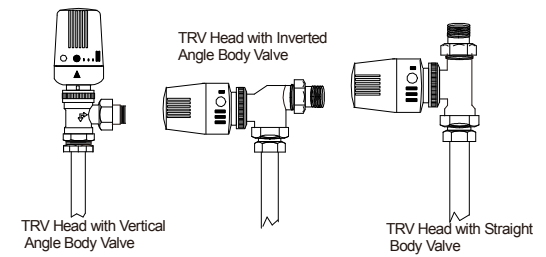
## Decor H11,6,8,10 Tube Radiator Connection Options



TRV thermostatic valve & LKD lockshield valve

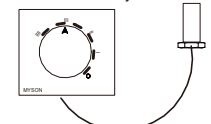
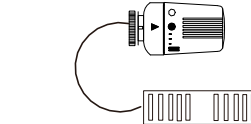


TRV thermostatic valve & FF LAC Lockshield angle valve

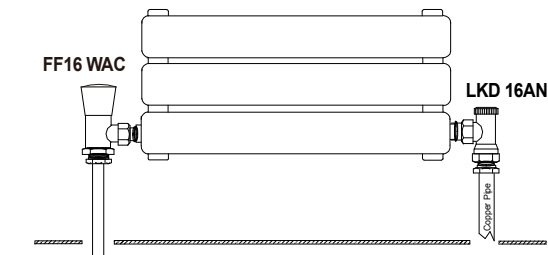


2TRV RS Remote Sensor

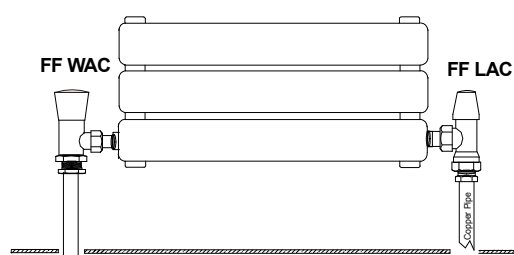
2TRV RA Remote Adjuster



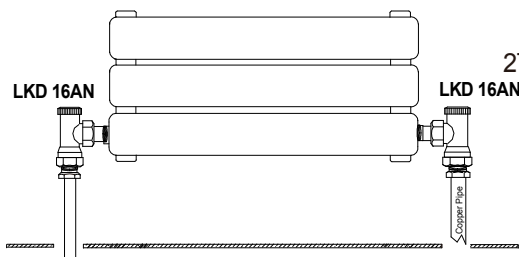
For best accuracy 2TRV2 head should be in a horizontal position away from heat source. Remote Sensor or Adjuster heads are available



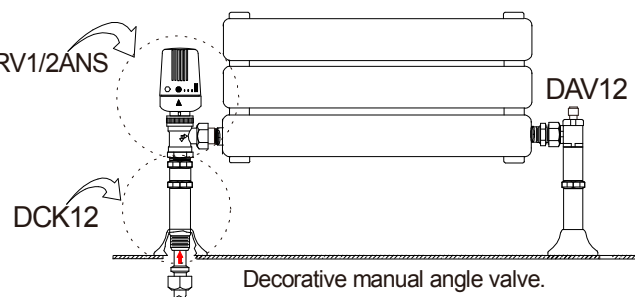
FF WAC Wheelhead angle valve & LKD lockshield valve



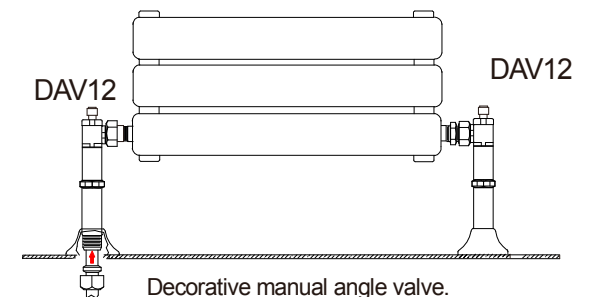
FF WAC Wheelhead angle & FFLAC lockshield angle valve.



2 LKD lockshield valves



Decorative manual angle valve.



Decorative manual angle valve.

(FF LAC)... Valve is set full open and white knob will not turn. Angle only.

(FF WAC)... Manual valve, white knob can turn to open or close the valve. Angle only.

(LKD)..... Valve has chrome cap that can be removed exposing an adjustment screw to open or close the valve. Angle or straight.

(TRV)..... Valve is a non electric thermostatic valve that modulates water flow in response to changes in room temperature and closes when set temperature is achieved NOTE: This valve will not turn on or shut off your heating system. Horizontal angle, vertical angle or straight pattern.

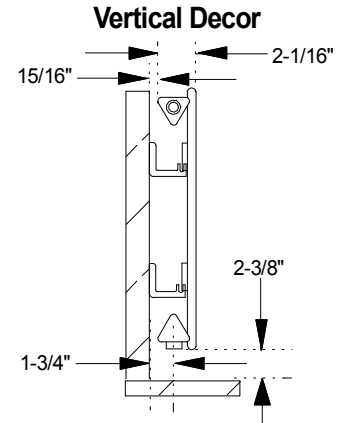
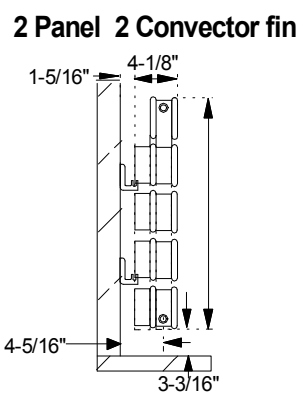
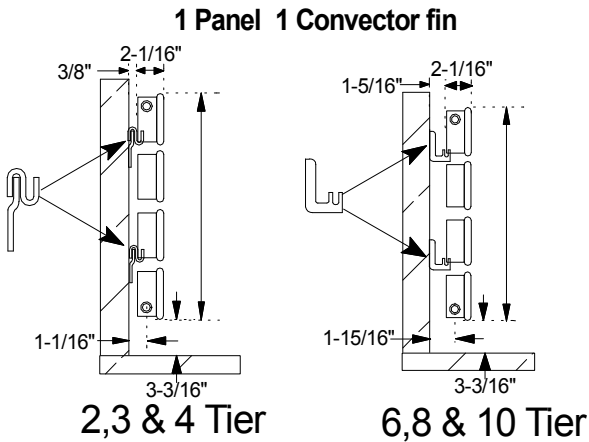
(DCK12).....Pipe extension with compression fitting and escutcheon for use with the 2TRV1/2ANS valve.

(DAV12) ..... Manual valve, Adjust flow with allen wrench. Valve comes with chrome pipe extension with compression fitting and escutcheon .



Rough-ins given are for MYSON TRV & Control Valves only. Specifications vary by manufacturers. Myson will not be responsible for damage or repair to property for rough-in dimensions with non-Myson Valves. Prior to committing pipe work behind finish floor or wall materials consult Myson for assistance. 1-800-698-9690

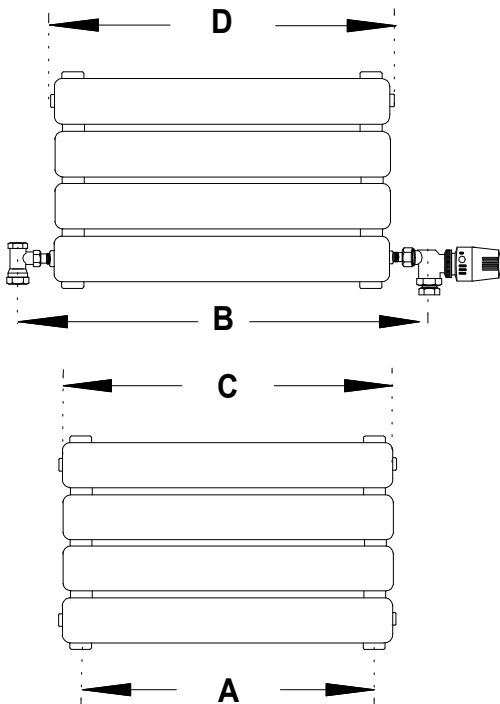
Dimensions in inches. All valves are by MYSON, Inc and are 1/2" thread engagement in a vertical pattern. For 2 LKD valves use LKD & TRV dimensions.



C D A B B



For the 2,3 & 4 Tier Radiators only, there is not sufficient room with the standard mounting plates to pipe through the wall and make the angle into the radiator. You must order the optional 1-1/8" Offset Mounting Plate that appears on page 5 (Mounting Details) to accomplish this.



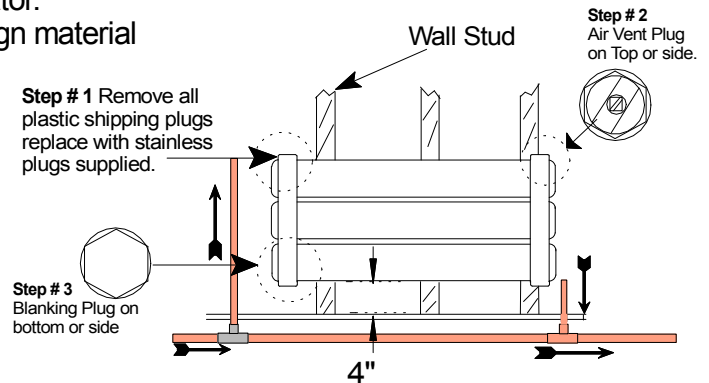
MODEL	Product Code	Face Length	Overall Length	Rough-in at Bottom	LKD & FF Valves	LKD & TRV Valves
H11	H11060	23- 5/8"	24-1/4"	21-1/2"	27-7/8"	27-3/4"
2,3,4 TUBES	H11090	35 7/16"	36 1/16"	33 5/16"	39 11/16"	39 9/16"
	H11120	47 1/4"	47 11/16"	45 1/8"	51 1/2"	51 3/8"
	H11150	59 1/16"	59 11/16"	56 15/16"	63 5/16"	63 1/16"
	H11180	70 7/8"	71 1/16"	68 5/8"	75 1/8"	75"
	H11210	82 5/8"	83 1/4"	80 1/2"	86 7/8"	86 3/4"
	H11240	94 1/2"	95 1/8"	92 3/8"	98 3/4"	98 5/8"
H11 & H22 6,8,10,TUBES	H-060	23 5/8"	24 1/4"	NO	27 7/8"	27 3/4"
	H-080	31 1/2"	32 1/8"	BOTTOM	35 3/4"	35 5/8"
	H-100	39 3/8"	39 13/16"	TAPPINGS	43 5/8"	43 1/2"
	H-140	55 1/8"	55 3/4"		59 3/8"	59 1/4"
	H-180	70 7/8"	71 1/2"		75 1/8"	75"
H28 2,4 TUBES	H28100	39 3/8"		NO	43 7/8"	43 3/4"
	H28140	55 1/8"		BOTTOM	59 3/8"	59 1/4"
	H28180	70 7/8"		TAPPINGS	75 1/8"	74"
	H28220	86 5/8"			90 7/8"	90-3/4"
V10	6	18"		14 7/8"		
	8	24"		20 7/8"		
	10	30"		26 7/8"		
TS4	8	12"		9 1/4"		
	11	17"		14 1/4"		
	13	20"		17 1/4"		
	16	25"		22 1/4"		
	18	28"		25 3/4"		
	21	33"		30 1/4"		



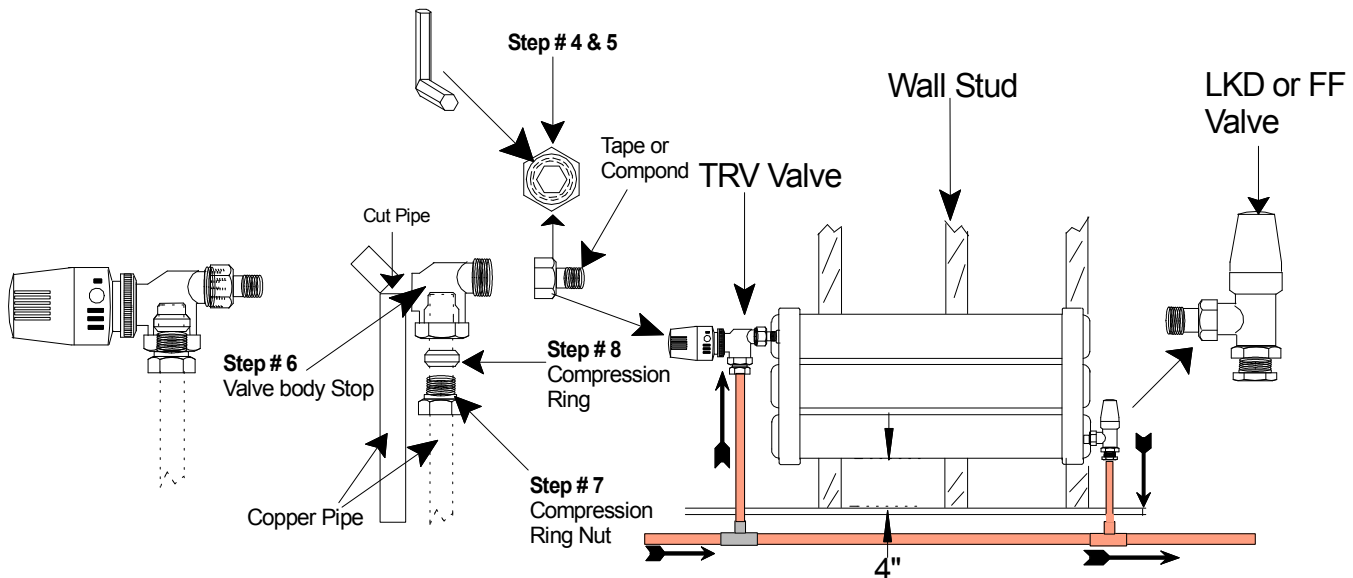
Nylon shipping plugs are meant solely for keeping paint from radiator threads during the painting process. Failure to remove plastic plugs and inserting the stainless metal plugs can result in significant property damage if heating system is run with plastic plugs in place.

- Step # 1** Remove all plastic shipping plugs on the radiator.
- Step # 2** Before proceeding clean tappings of any foreign material
- Step # 3** Install air vent plug.
- Step # 4** Install blanking plugs.

**NOTE:** See page (5) for alternate valve and plug locations.



- Step # 5** Apply teflon tape or compound to the threaded nipple on the valve.
- Step # 6** Thread the nipple of the valve into the radiator using a 7/16 or 12mm Allen wrench
- CAUTION:** Do not over tighten and do not use a pipe wrench on ground joint .
- Step # 7** Cut the copper pipe to a correct length.
- NOTE:** The pipe must fit all the way up to the stop in the valve body. (approx 1" into the valve body)
- Step # 8** Place compression nut on copper pipe.
- Step # 9** Place Compression ring on copper pipe.
- CAUTION:** DO NOT DAMAGE THE COMPRESSION RING.
- Step # 10** Attach valve to valve nipple and tighten coupling. Turning valve body can damage compression ring
- CAUTION:** DO NOT rotate valve body. Turn compression nut only and DO NOT OVER TIGHTEN.
- Step # 11** Tighten compression nut.



If glycol is to be added to the system for freezing protection extra care must be taken to seal connections fully with teflon or pipe dope.



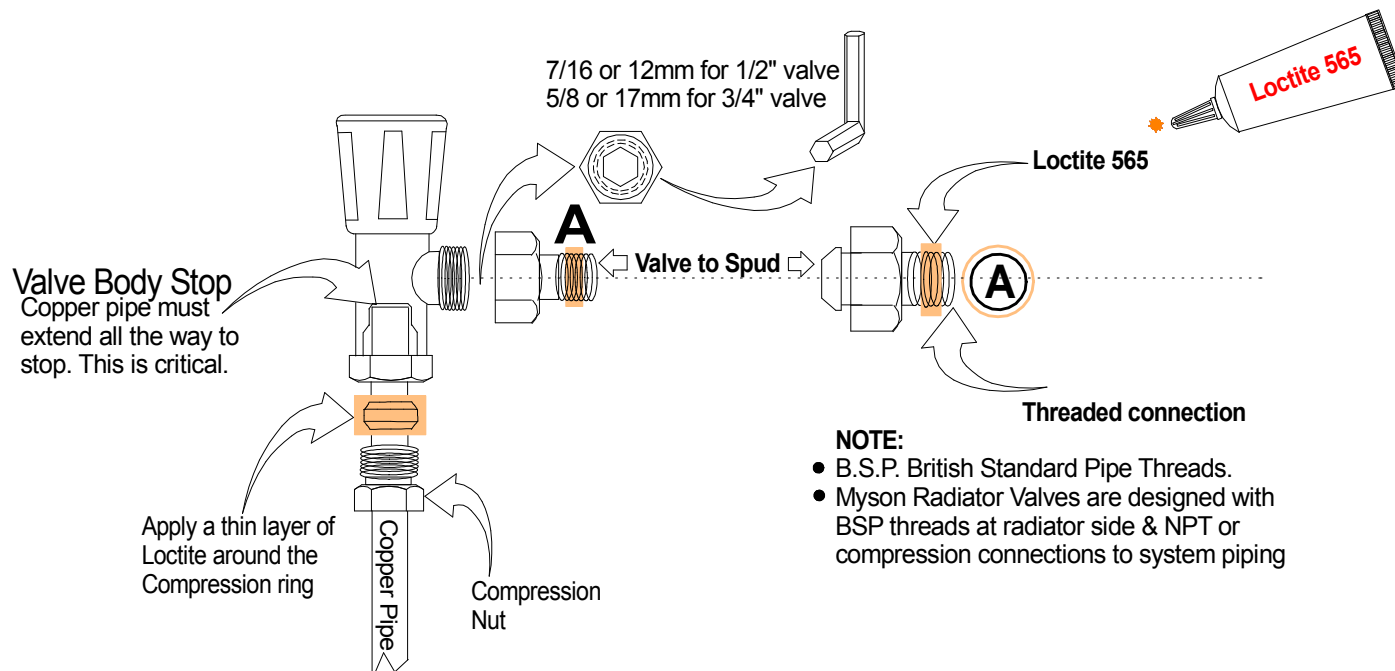
Myson products are designed to be installed by professional trades people.

Myson instructions are meant to be thorough; however it is assumed that the installer has the appropriate technical knowledge related to building codes, standard trade practices, and proper use of the tools of the trade. Should a homeowner without such knowledge or skill take it upon him/herself to attempt the installation, Myson will not be responsible for any damages, injuries or unsatisfactory performance of the Myson product used.

**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.





**Failure to flush system of debris and flux may cause premature radiator failure, which can result in leaks and property damage NOT covered under the Myson Warranty.**

### SYSTEM STARTUP:



1. Fill and vent the system.
2. Run the system for two (2) hours at full temperature with all radiator valves in the open position.
3. Shut off and drain the system while the water is still hot.
4. Refill and drain the system.
5. Reheat, vent, and balance the system.
6. Once the Decor Radiator is filled with water the system should be left filled.
7. System should be checked for leaks on seasonal start-ups. Leaks must be repaired as automatic system fill valves allow fresh water/oxygen into the system attacking radiators internally



### MAINTENANCE & CLEANING.

1. Once operating, avoid the introduction of fresh water and oxygen to the system to prevent corrosion.
2. An occasional wiping with a damp cloth using a non abrasive detergent can protect the finish of your Myson Decor Panel Radiator.
3. The use of abrasive cleaners will damage the surface of your radiator, and void the manufacturer's warranty.

### ADDITIVES:



Treatment of the primary water is not usually required in a properly designed system. Treatment may be necessary if either.

1. Local waters are known for their content of corrosive or if high bacterial levels are present.
2. If there is a possibility that the system may be idle during a prolonged period of freezing temperatures, system should be either drained or protected with antifreeze.  
If either corrosion inhibitors or anti freeze is to be used it should be added **AFTER** the system has been flushed in the final stages. Use only anti-freeze suitable for potable water.



Do not put heating system into operation without checking for leaks with the system up to full operating temperature. Leaks can appear in a heated system that were not noticeable with a cold system or air pressure check.