

**DESIGN AND LAYOUT CONSIDERATIONS:**

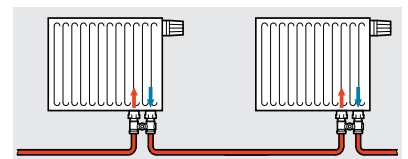
The Myson T6, CV & RCV radiators are designed for optimum ease of installation and efficiency when installed using the bottom supply and return connections. The optional "H" Diverter Valve, available in straight or angle configuration, is recommended for all installations and is required for proper function of the radiators when connected to a 1-pipe Series Loop system. Piping the radiators in Series should only be done when Home Run, Mono-Flo, or 2-Pipe systems are not possible. It is important to size your radiators and circulators accordingly when piping in Series.

**STOP** Please read the entire standard installation sheet before proceeding with this alternate connection method. Myson radiators are not for use in gravity or steam systems.

**STOP** 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.

**MYSON "H" DIVERTER VALVE SYSTEM**

When using "H" style diverter valves to connect multiple radiators in series, it is necessary to size the downstream radiators based on the lower inlet water temperature at each radiator caused by the mixing of return water.



**THE FOLLOWING IS AN EXAMPLE OF HOW TO PROPERLY SIZE EACH RADIATOR.**

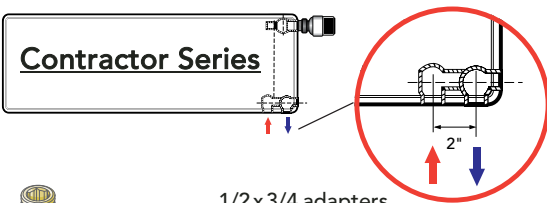
1	Rooms in order of flow	Bedroom 2	Bathroom	Bedroom 3	MBR
2	Heat Loss In BTUH	4,200	3,000	5,400	8,600
3	Available Wall Space (ft)	3	2	3	7
4	Max Height (inches)	16	24	16	24
5	Select Δ T for system -- Δ T 30°F Maximum supply temp -- 180°F				
6	Total Heat Load	Q = 21,200 BTUH			
7	Total Loop GPM*	GPM = Q/(500 Δ T) = 21,200/500X30 = 1.41 GPM			
8	Supply Temp Per Room	180°F	174°F	170°F	162°F

\* **NOTE:** Flow rate cannot exceed 2 GPM on a diverter valve system. Using a larger Δ T lowers the GPM requirement.

**Line 6.** Sum of all heat loads in **Line 2**.  
**Line 7.** Use formula to calculate GPM  
**Line 8.** Calculate the supply temperature of each room according to the following examples.

Supply Water Temperature **Bedroom 2** = 180°F.  
 Supply Water Temperature **Bathroom** = 180°F minus 4200 / (500 x 1.41) = 174°F.  
 Supply Water Temperature **Bedroom 3** = 174°F minus 3000 / (500 x 1.41) = 170°F.  
 Supply Water Temperature **Master BR** = 170°F minus 5400 / (500 x 1.41) = 162°F.

**NOTE:** Use the throttle (bypass) screw to balance the mix of supply and return water to achieve maximum comfort levels.



**A** In single-pipe operation, set the built-in valve on **N** for T6 and on **6** for the Contractor Series

1/2x3/4 adapters required for Contractor Series - must be ordered separately

- 102-82-53** Adapters 1/2" x 3/4" required for Contractor Series radiator
- 101-68-44** Adapters 1/2" copper tube compression (included with T6 radiator)
- 164-68-50** Adapters 1/2" pex pipe compression (substituted for 101-68-44 with T6 radiator)

