General

DESIGN AND LAYOUT CONSIDERATIONS:

Myson radiators should only be used with recirculation pump **closed loop hydronic heating systems** such as 2 pipe reverse return, 2 pipe direct return, 1 pipe monoflo or homerun piping systems. Series loop piping is not recommended. **Myson radiators are not for use in gravity or steam systems**. Position your radiator away from your circulator pump to avoid either excess pressure that could force water out the air vent or excess suction that could draw air into the system. The suggested location for your Myson radiator, where possible, is below a window where it can minimize downdrafts from glazed areas. Mounting the radiator a minimum of 4 inches off the floor will provide for adequate convection.

Myson Contractor Series radiators are supplied with a drain plug, vent plug, mounting brackets, TRV insert and 1/2"BSP male to sweat connection adapters.

Standard Connections:
6 x internal thread G **1/2" BSP** side 4 corners plus 2 bottom right
Maximum positive operating pressure: 145psi
Maximum operating temperature: 230° F

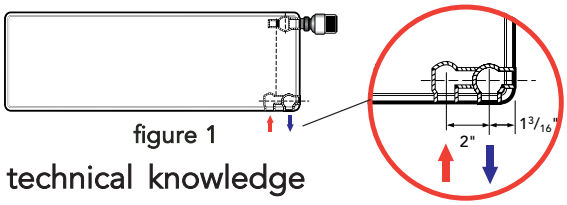


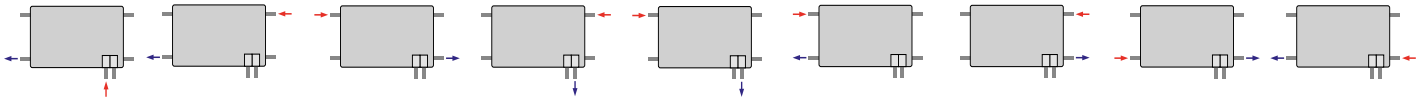
figure 1

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.

VALVE ROUGH-IN: The Myson Contractor Series radiator is intended to be installed using the bottom right 1/2" connections. **The supply MUST be connected to the left hand connection as you face the radiator in order for the internal thermostatic valve to work.** (see **figure 1** for recommended connection)
A variety of optional TRV heads (M30 x 1.5 thread) are available from Myson. A manual adjustment cap is provided.

NOTE: All nylon paint plugs must be removed and replaced with an appropriate metal plug, vent or valve!!

Other connection configurations are shown below. Vent should be located at top corner opposite supply.



NOTE: The last 2 diagrams shown (lower side supply and return) will result in an approximate 10% lower output.

ALTERNATE CONNECTIONS: When using Myson radiator valves in the **side connections** to install your radiator add the following distance from the end of the radiator to the center of your Supply/Return pipe for each valve: For **LKD16AN** valves add **1-3/4"** --- For **FF16WAC / FF16LAC** valves add **1-5/8"**.

In addition to the **LKD** and **FF** valves the following **BSP** male adapters and valves are available from Myson for use with your Contractor Series radiators: **HV-S** or **HV-A** valves (for bottom connections only), 1/2"BSP to sweat, 1/2"BSP to compression (angled or straight, for pex or copper)

MOUNTING: Myson Contractor Series radiators are supplied with BH200 wall brackets. These brackets may be positioned anywhere along the length of the radiator to accommodate wall framing locations.

For more detailed bracket installation dimensions and mounting positions please consult the assembly instructions included with the mounting brackets.

For the correct installation of radiators it is essential that the mounting of the radiator to the wall is carried out in such a way that it is suitable for intended use AND predictable misuse.

SAFETY PRECAUTIONS

Radiators are hot when in use, and as such, present a risk of burns to users on prolonged contact. The temperature of a radiator is dependent on the temperature of the system water, as set by the system installer or user. Installers and users should take all necessary steps to minimize the risks of burns. If the risk is significant, consideration should be given to installing low surface temperature radiators, or to placing guards in front of the radiators.

SYSTEM START-UP

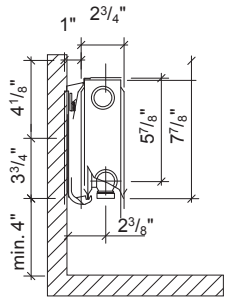
STOP **Failure to flush system of debris and flux may cause premature radiator failure, which can result in leaks and property damage NOT covered under the Myson Warranty.**

Step 1 Fill and vent the system.
Step 2 Run the system for two (2) hours at full temperature with all radiator valves in the open position.
Step 3 Shut off and drain the system while the water is still hot.
Step 4 Refill the system.
Step 5 Reheat, vent, and balance the system.
Step 6 Once the radiator is filled with water the system should be left filled.
Step 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.

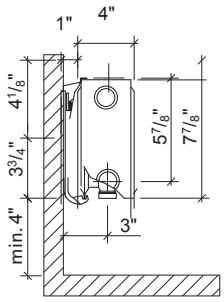
CV and RCV Type 21 and Type 22 models

PANEL RADIATORS

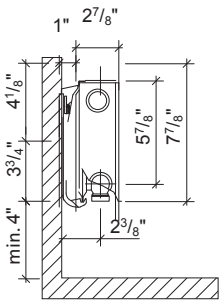
CV Baseboard and RCV Baseboard - wall brackets



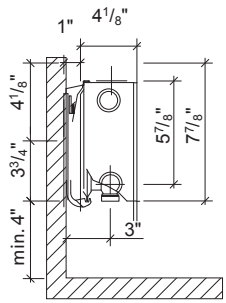
type CV 21



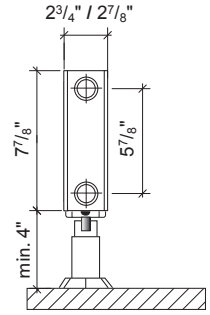
type CV 22



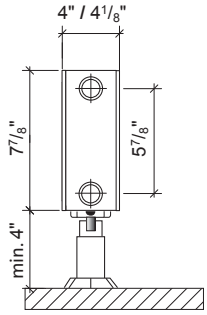
type RCV 21



type RCV 22

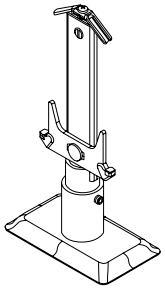


type CV 21
type RCV 21



type CV 22
type RCV 22

Wall Bracket



Pedastal Stand

Number of wall or pedastal brackets per radiator length

up to 1600mm: 2 brackets
1600 - 2400mm: 3 brackets
over 2400mm: 4 brackets

CV Baseboard and RCV Baseboard - pedastal

	Order Code CV/RCV Type 21	Nominal Length (mm - inches)	Output* Btuh @ 180°F AWT	Output* Btuh @ 160°F AWT	Output* Btuh @ 140°F AWT	Weight (lbs)	Water Content (gals)	Order Code CV/RCV Type 22	Output* Btuh @ 180°F AWT	Output* Btuh @ 160°F AWT	Output* Btuh @ 140°F AWT	Weight (lbs)	Water Content (gals)
Height 200mm - 7 7/8 in	CV21/RCV21-600	600 - 23 5/8	1346	1063	781	14.3/18.0	0.39	CV22/RCV22-600	1776	1403	1030	16.7/20.5	0.39
	CV21/RCV21-700	700 - 28 3/8	1573	1243	912	17.2/21.6	0.47	CV22/RCV22-700	2075	1639	1204	20.0/24.6	0.47
	CV21/RCV21-800	800 - 31 1/2	1796	1419	1042	19.1/24.0	0.52	CV22/RCV22-800	2370	1873	1375	22.3/27.4	0.52
	CV21/RCV21-900	900 - 36 1/4	2022	1597	1173	21.9/27.6	0.60	CV22/RCV22-900	2668	2108	1547	25.6/31.5	0.60
	CV21/RCV21-1000	1000 - 39 3/8	2248	1776	1304	23.8/30.0	0.66	CV22/RCV22-1000	2964	2342	1719	27.8/24.2	0.66
	CV21/RCV21-1100	1100 - 43 5/16	2472	1953	1434	26.2/33.0	0.72	CV22/RCV22-1100	3251	2568	1886	30.6/37.6	0.72
	CV21/RCV21-1200	1200 - 47 1/4	2698	2131	1565	28.6/36.0	0.79	CV22/RCV22-1200	3968	3135	2301	33.4/41.0	0.79
	CV21/RCV21-1400	1400 - 55 1/8	3147	2486	1825	33.4/42.0	0.92	CV22/RCV22-1400	4150	3279	2407	38.9/47.9	0.92
	CV21/RCV21-1600	1600 - 63	3598	2842	2087	38.1/48.0	1.05	CV22/RCV22-1600	4758	3759	2760	44.5/54.7	1.05
	CV21/RCV21-1800	1800 - 70 7/8	4046	3196	2347	42.9/54.0	1.18	CV22/RCV22-1800	5336	4215	3095	50.0/61.5	1.18
	CV21/RCV21-2000	2000 - 78 3/4	4496	3552	2608	47.6/60.0	1.31	CV22/RCV22-2000	5939	4692	3445	55.6/68.4	1.31
	CV21/RCV21-2300	2300 - 90 9/16	5172	4086	3000	54.8/69.0	1.51	CV22/RCV22-2300	6818	5386	3954	63.9/78.6	1.51
	CV21/RCV21-2600	2600 - 102 3/8	5842	4615	3388	61.9/78.0	1.71	CV22/RCV22-2600	7706	6088	4469	72.3/88.9	1.71
	CV21/RCV21-3000	3000 - 118 1/8	6742	5326	3910	76.8/90.0	1.97	CV22/RCV22-3000	8894	7026	5159	83.4/102.5	1.97

* Outputs are based on EAT of 68°F. For outputs based on other AWT and/or other EAT please consult our radiator correction chart.

All dimensions are nominal

10 YEAR WARRANTY 10 YEAR

Specifications per Linear Foot						
Order Code	Nominal Height (inches)	Btuh/ft at 180°F AWT**	Btuh/ft at 160°F AWT**	Btuh/ft at 140°F AWT**	Weight (lbs/ft)	Water Content (gals/ft)
CV21 - XXXX	7 7/8	684	540	397	7.26	0.20
CV22 - XXXX	7 7/8	902	713	523	9.14	0.20
RCV21 - XXXX	7 7/8	684	540	397	8.47	0.20
RCV22- XXXX	7 7/8	902	713	523	10.41	0.20

** Outputs are based on a delta T of 20°F and EAT of 68°F.

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 radiator.
3 The use of abrasive cleaners will damage the surface of your radiator and void the manufacturer's warranty.