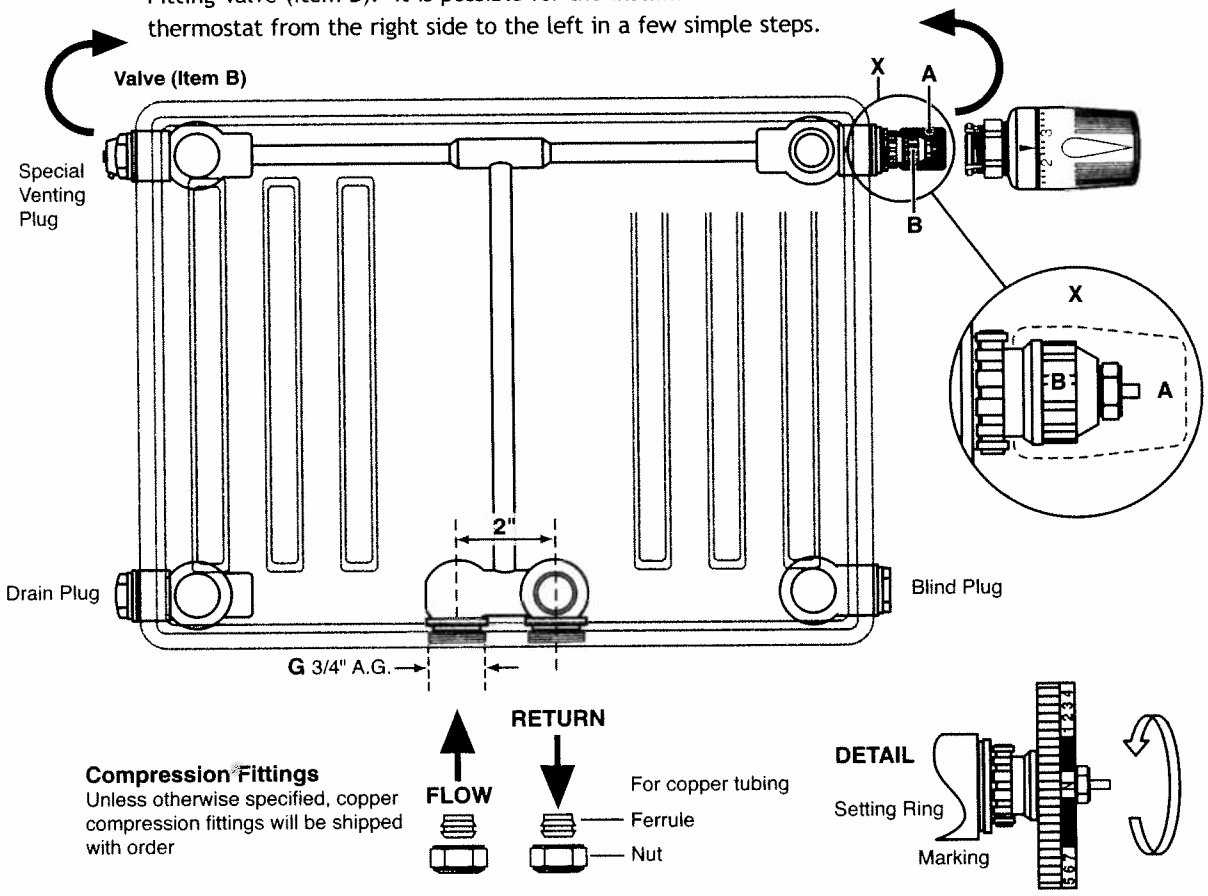
Myson T6 IVC Radiators

The center-connection Radiator features innovative design, high quality workmanship, and high heat output.

This dual panel, double convector radiator offers the advantage of a standard 2" central connection and the standard 4 corner connection options. Pre-planning and installation are greatly reduced, saving time and money. The new T design allows installers the flexibility to connect to the most convenient location for installation.

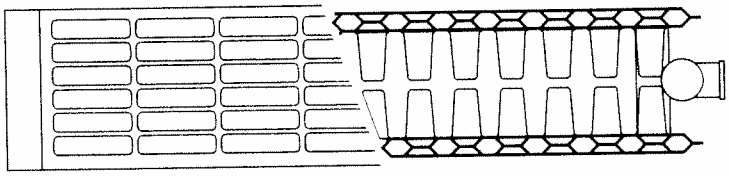
The Myson is a ready-to-install radiator and includes a wall-mounting bracket set, a thermostatic head and insert, drain-off plug, air bleed vent and compression fittings for 1/2" copper tubing.

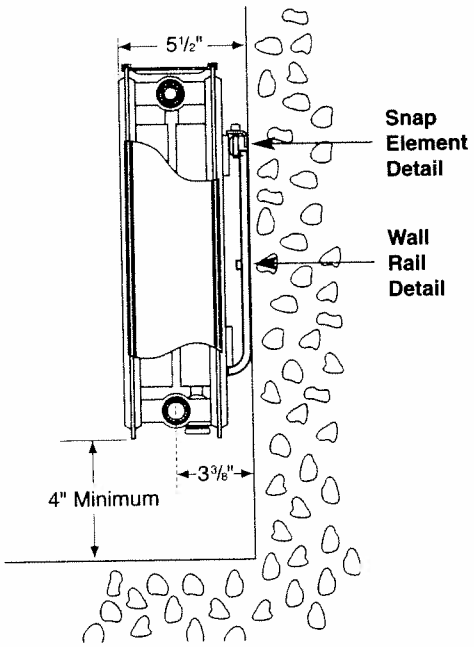
The Radiator is supplied with the Site Cap fitted. After removing the Site Cap (Item A), the Thermostat heads can be fitted directly onto the Fitting Valve (Item B). It is possible for the installer to move the thermostat from the right side to the left in a few simple steps.



Setting Information

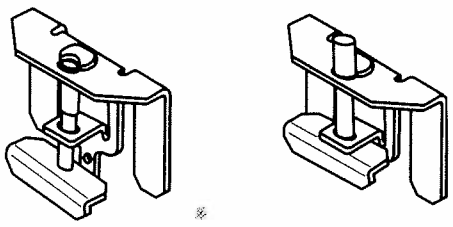
- Remove Site Cap or Probe Element.
- Turn the Setting Ring counter-clockwise to the desired presetting—the setting value (1, 2, ... 7, N) must be positioned above the mark.
- Presetting can be selected in grades from 0.5 between 1 and 7. Presetting is released in the setting "N".





T6 IVC

Nominal Height (in)	Actual Height (in)	Actual Length (in)	Output (Btu/hr)	Order Code	Weight (lbs)	Water Content (gals)
12	11 13/16	23 5/8	2890	TK2-3-06	31.7	0.56
		39 3/8	4814	TK2-3-10	51.2	0.90
		55 1/8	6742	TK2-3-14	70.7	1.27
		78 3/4	9632	TK2-3-20	100.0	1.64
20	19 11/16	15 3/4	2811	TK2-5-04	36.1	0.57
		23 5/8	4217	TK2-5-06	53.5	0.85
		36 1/4	6466	TK2-5-92	81.3	1.30
		47 1/4	8434	TK2-5-12	105.5	1.65
		63	11246	TK2-5-16	140.2	2.21
		70 7/8	12652	TK2-5-18	157.6	2.49
		78 3/4	14057	TK2-5-20	174.9	2.77
24	23 5/8	15 3/4	3207	TK2-6-04	43.3	0.68
		23 5/8	4811	TK2-6-06	64.5	1.01
		36 1/4	7377	TK2-6-92	98.3	1.55
		47 1/4	9622	TK2-6-12	128.0	1.98
		63	12829	TK2-6-16	170.6	2.65
		70 7/8	14433	TK2-6-18	191.5	2.99
		78 3/4	16036	TK2-6-20	212.6	3.33

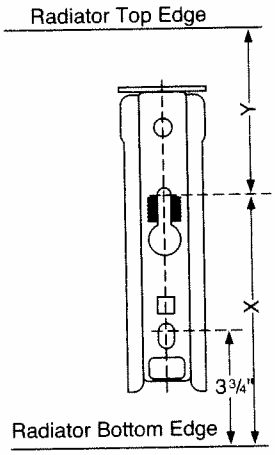


Snap Element Details

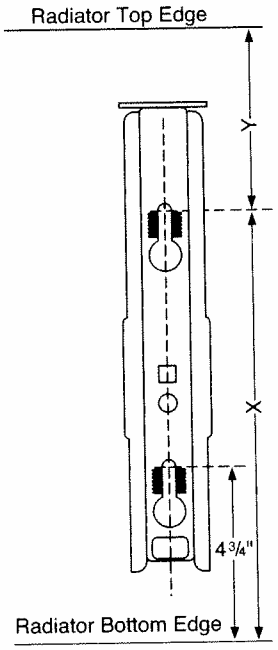
With integrated anti-lift out device and a device that prevents movement

Wall Rail Details

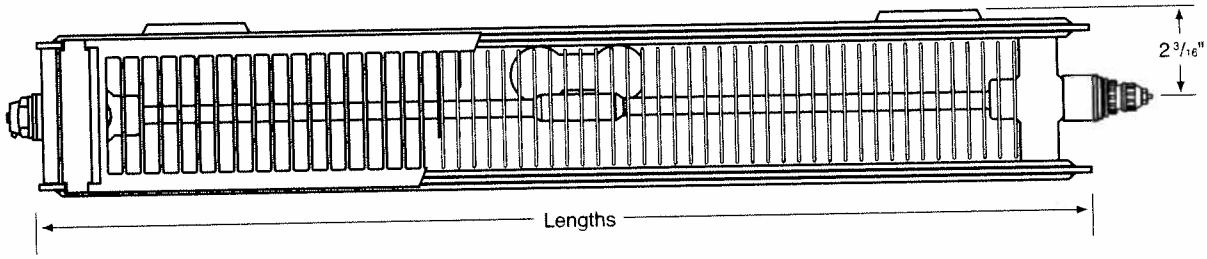
Wall Rail for Height TK2-3



Wall Rail for Height TK2-5&6



Radiator Height	X	Y
TK2-3	6 7/8"	4 15/16"
TK2-5	14 5/8"	5 1/16"
TK2-6	18 9/16"	5 1/16"



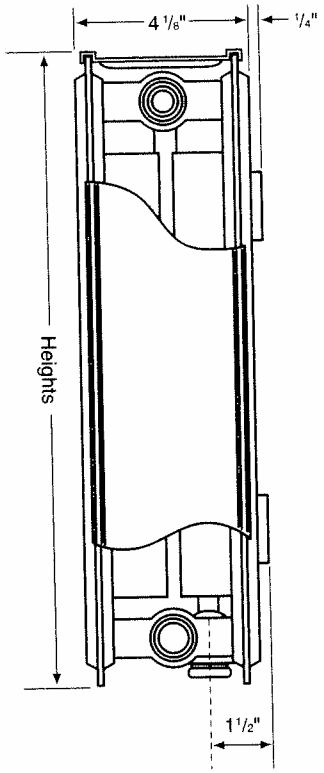
General Specifications

Approval and Certification
All MYSON T6 IVC Radiators are manufactured and tested to DIN EN 442

Operating Pressures and Temperatures
Every Radiator is pressure tested to 188.5 psi
Maximum working pressure 145 psi
Maximum working temperature 230°F

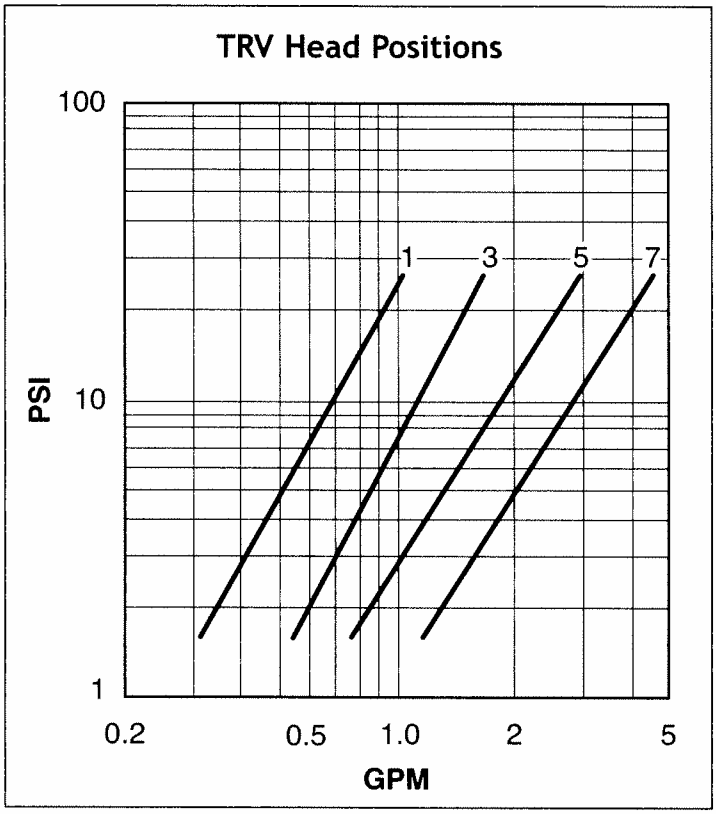
Paint Finish
Every Radiator undergoes a multistage pre-treatment process followed by an epoxy polyester powder coat in white (RAL 9016) is applied to all front and rear surfaces allowing the MYSON T6 IVC to be fitted without further painting.

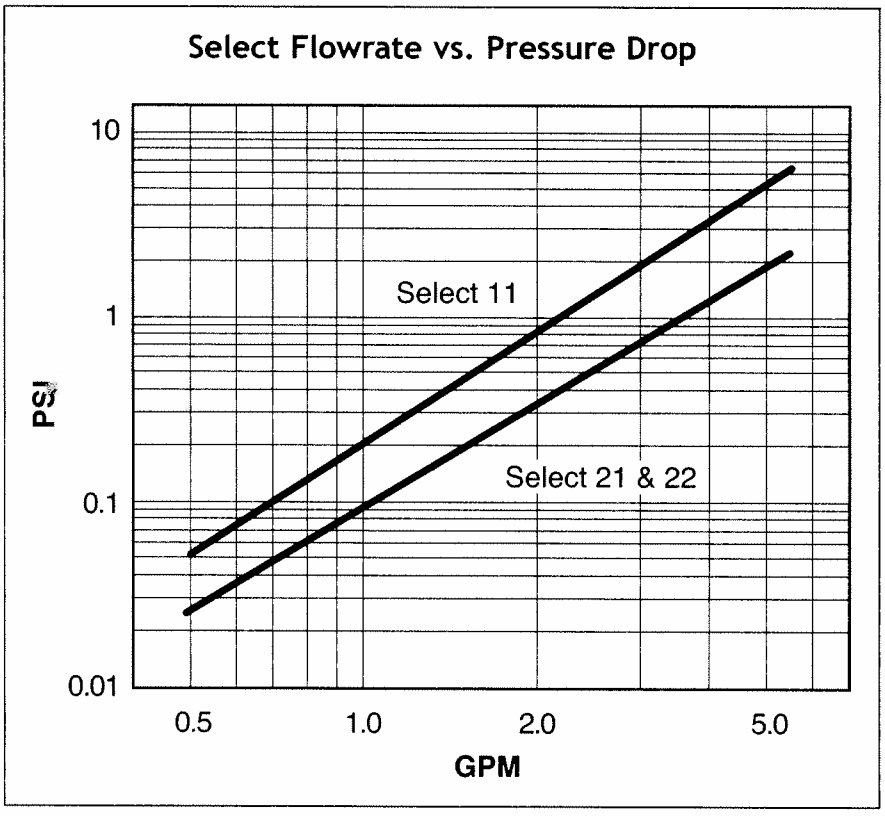
Conversion Factors
Factors for differences between average water temperature and room temperature in °F other than 108°F, (example: water temperature 180°F minus room temperature 72°F equals ΔT of 108°F). See page 11 for Heat Output Adjustment Factors.



Pressure Loss Graphs

For Compact and IVC Radiators



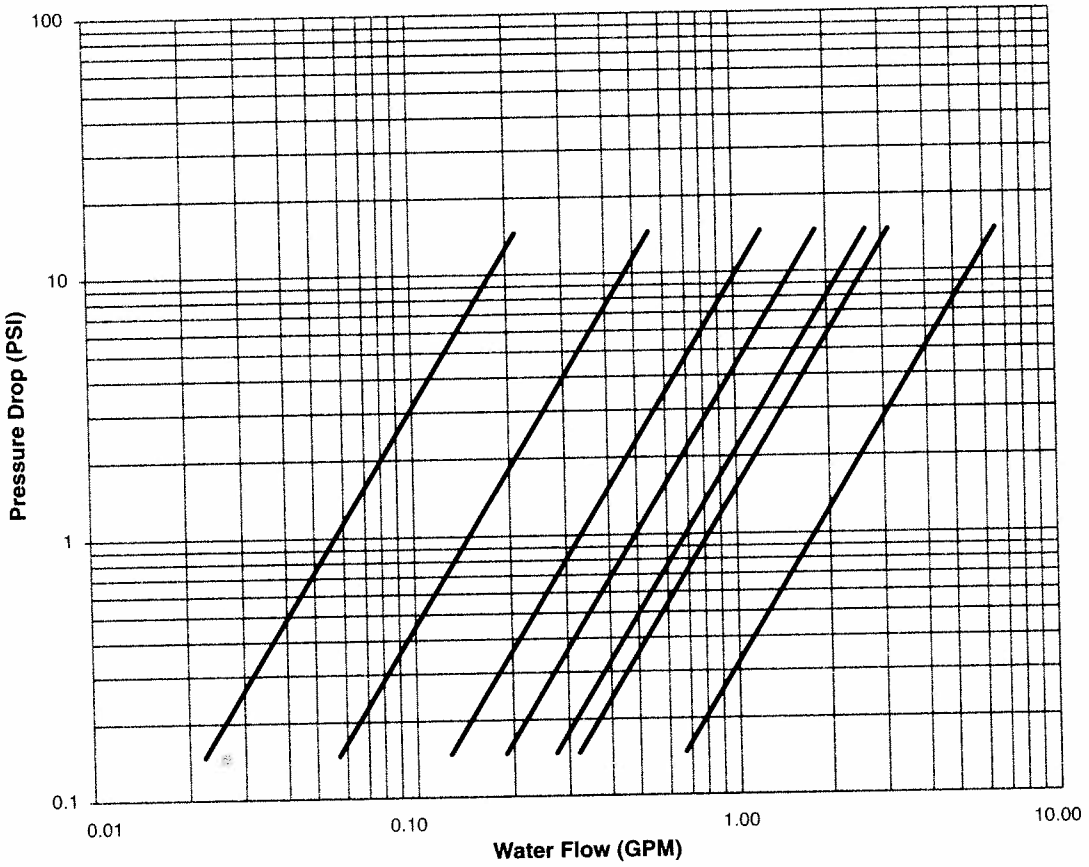


Pressure Loss Graphs

For Compact and IVC Radiators

Valve Setting	1	2	3	4	5	6max	kPa
	gpm						
	0.02	0.06	0.12	0.18	0.26	0.31	0.66
	0.07	0.18	0.39	0.58	0.84	0.97	2.09
	0.22	0.56	1.23	1.83	2.64	3.08	6.60
Q=Cv+Sqrt(∂P)	0.06	0.15	0.32	0.48	0.69	0.81	1.73

Pressure Loss and Presetting



Heat Output Adjustment Factors

Temperature Difference[1]

°F	65	70	75	80	85	90	95	100	105	108	110	115	120	125	130
°C	36	39	42	44	47	50	53	56	58	60	61	64	67	69	72

Adjustment Multiplier

	0.53	0.59	0.64	0.69	0.74	0.80	0.85	0.91	0.97	1.00	1.02	1.08	1.14	1.20	1.26

[1]Certified heat output is based upon tests conducted at a room temperature of 68°F (20°C) and a mean water temperature of 176°F (80°C) using T.B.O.E. (Top, Bottom, Opposite End) connections. For temperature differences other than 108°F (60°C) used for these tests, multiply the heat output (given in the table above) by the adjustment multiplier given in this table which correspond to the desired performance conditions. B.O.E. (Bottom, Opposite End) connections give slightly lower heat output.

Selection of Sizes

Myson has a Select or Eclipse Radiator model to meet every room situation and Btu output requirement. The following examples use Select models.

Select SX-70-90G
Heat Output: 5702 Btu/hr
Length: 35.4"
Water Content: 1.71 gal

Select SX-60-100G
Heat Output: 5582 Btu/hr
Length: 39.4"
Water Content: 1.63 gal

Select SX-40-160G
Heat Output: 6344 Btu/hr
Length: 63"
Water Content: 1.66 gal

Select SX-30-180G
Heat Output: 5570 Btu/hr
Length: 70.9"
Water Content: 1.60 gal

STEP 1: Determine the heat output rating needed.
Use the tables (above) to determine the Heat Output Rating required for a specific situation. See the example below.

STEP 2: Check the locations.
Make sure you are aware of any restrictions with the length or height. (Window or wall dimensions should be reviewed.)

STEP 3: Pick the size & model you require.
Select offers a range of sizes and often can provide the required heat with any one of several models. The example below illustrates the range of choices possible.

QUESTION: Room needs about 4500 Btu/hr on a low water temperature system. Will the SX-70-90G do the job?

Requirement: 4500 Btu/hr (actual heat output)

Conditions:
Hot water temperature: 158°F
Room air temperature: 68°F
Temperature difference: 90°F

Calculation: Adjust the Certified Heat Output from the top table to account for the lower temperature difference between the hot water supply and the room air. (The table is based upon a difference of 108°F.)

Example:

Certified Heat Output for Model SX-70-90G:	**5702 Btu/hr**	(page 4)
Adjustment Multiplier at 90°F:	**x 0.80**	(2nd table)
Actual Heat Output:	**4562 Btu/hr**	

Answer: The SX-70-90G provides what the room needs.

Question: Will other models do the job?

Answer: YES. Any one of the models described to the left will work.