



Radiator Range Technical Specifications

Oct 2013: Rev. E

This book supercedes all previous editions

Select
T6 IVC
LST
Décor
Column
Bench
Valves



MYSON

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T6 IVC Panel Radiators



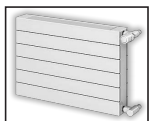
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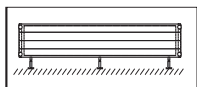


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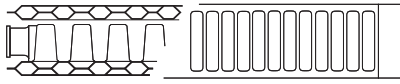
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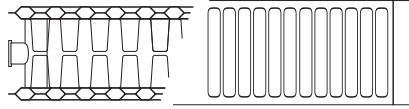
Select Panel Radiators

The One Range Solution



Type 21VN

Single convector with factory fitted top grill and end panels. Available in outputs from 1,857 Btu/hr to 10,138 Btu/hr.



Type 22VN

Standard double convector radiator with factory fitted top grill and end panels. Available in outputs from 2,430 Btu/hr to 13,031 Btu/hr.

General Specifications

APPROVAL AND CERTIFICATION

All Myson Select Radiators are manufactured and tested to BS EN 442.

Every radiator carries the BS Kitemark, which certifies independent approval of heat output and verifies production under a quality system to BS EN ISO 9002.



OPERATING PRESSURES

Every radiator is pressure tested at 188.5 psi and is suitable for working pressures up to 145 psi.

PAINT FINISH

Every radiator undergoes a multistage pre-treatment process followed by an epoxy polyester primer coat. An epoxy polyester powder coat in white (RAL 9016) is applied to all front and rear surfaces allowing the Myson Select to be fitted without further painting.

APPLICATION

Myson Select Radiators are for use on residential and commercial central heating installations, with a maximum working temperature of 230°F. The system should be designed with particular care taken to avoid air entry or water discharge.

Panel Radiators must be installed on a closed loop heating system.

The installation work must be carried out in accordance with recognized good practice, and precautions taken to avoid contamination which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the manufacturer's instructions must be strictly followed.

CONNECTIONS

All Myson Select Radiators are fitted with four 1/2 inch BSP connections.

An air vent and plug are packed with every radiator.

PACKAGING

Each radiator is individually wrapped in strong polyethylene reinforced with corner protection pieces.

The pack is clearly marked with the type and size, and mounting brackets are included within the pack.

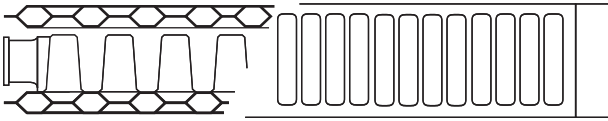
MOUNTING BRACKETS

All radiators are supplied with concealed wall mounting brackets to accommodate different wall construction details. The brackets include plastic inserts to minimize noise caused by the expansion and contraction of the radiator.

HEAT OUTPUT

Careful design of an optimum profile for the convector plate, and welding directly onto the water channels have combined to give high heat output per surface area of radiator.

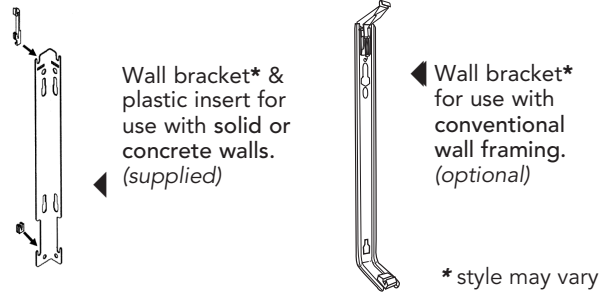
For heat outputs at AWT other than 180°F, as shown on pages 2 and 3, the output should be multiplied by the appropriate factor from the Radiator Correction Factors table on page 8.



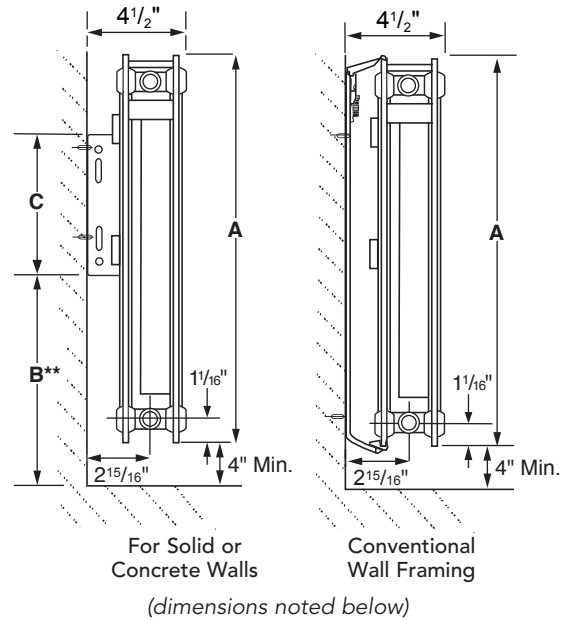
Select Type 21VN Double Panel Single Convector

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	1857	SX 30 60VN	19.4	0.56
		39 3/8	3095	SX 30 100VN	31.6	0.90
		55 1/8	4333	SX 30 140VN	44.6	1.27
		70 7/8	5570	SX 30 180VN	57.6	1.64
16	15-3/4	20 1/2	1982	SX 40 50VN	21.2	0.56
		23 5/8	2379	SX 40 60VN	25.5	0.68
		28 3/8	2775	SX 40 70VN	29.7	0.79
		31 1/2	3172	SX 40 80VN	32.9	0.87
		36 1/4	3568	SX 40 90VN	37.1	0.98
		39 3/8	3965	SX 40 100VN	41.4	1.10
		47 1/4	4758	SX 40 120VN	49.9	1.32
		63	6344	SX 40 160VN	66.8	1.77
24	23-5/8	15 3/4	2233	SX 60 40VN	25.5	0.68
		20 1/2	2791	SX 60 50VN	31.8	0.84
		23 5/8	3349	SX 60 60VN	38.2	1.01
		28 3/8	3907	SX 60 70VN	44.6	1.18
		31 1/2	4466	SX 60 80VN	49.3	1.31
		36 1/4	5024	SX 60 90VN	55.7	1.47
		39 3/8	5582	SX 60 100VN	62.1	1.64
		44 1/8	6140	SX 60 110VN	68.4	1.81
		47 1/4	6698	SX 60 120VN	74.8	1.98
		52	7257	SX 60 130VN	81.1	2.15
30	29-1/2	15 3/4	2534	SX 70 40VN	33.3	0.92
		20 1/2	3168	SX 70 50VN	41.6	1.20
		23 5/8	3802	SX 70 60VN	50.0	1.38
		28 3/8	4435	SX 70 70VN	58.3	1.66
		31 1/2	5069	SX 70 80VN	64.5	1.84
		36 1/4	5702	SX 70 90VN	72.8	2.12
		39 3/8	6336	SX 70 100VN	81.2	2.30
		47 1/4	7603	SX 70 120VN	97.8	2.76
		55 1/8	8871	SX 70 140VN	114.4	3.22
		63	10138	SX 70 160VN	131.1	3.68

NOTE: For pressure drop values refer to the graph on page 7



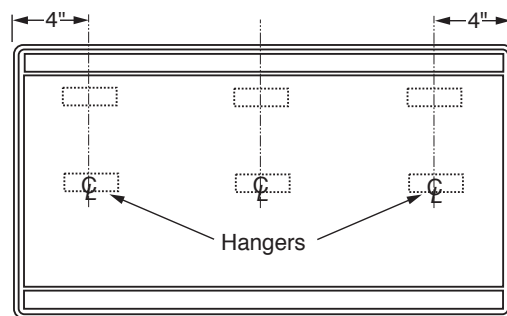
Select Side Profile with Brackets



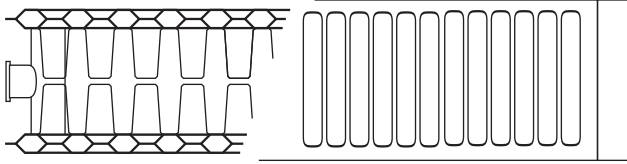
Nominal Height	A	B**	C
12"	11-13/16"	6"	6-1/4"
16"	15-3/4"	6"	10-3/8"
24"	23-5/8"	6"	18-1/8"
30"	29-1/2"	6"	24-1/16"

** Includes a minimum clearance of 4" from floor to bottom of Select Radiator

Select Mounting Panel for Bracket Installation



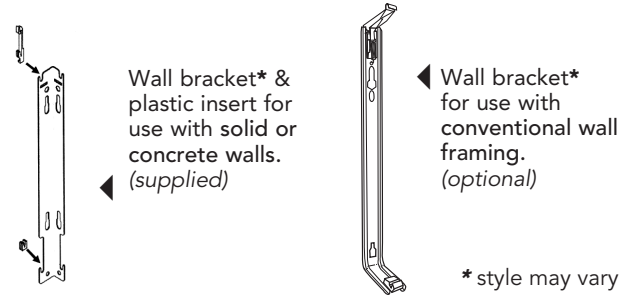
(dimensions are nominal)



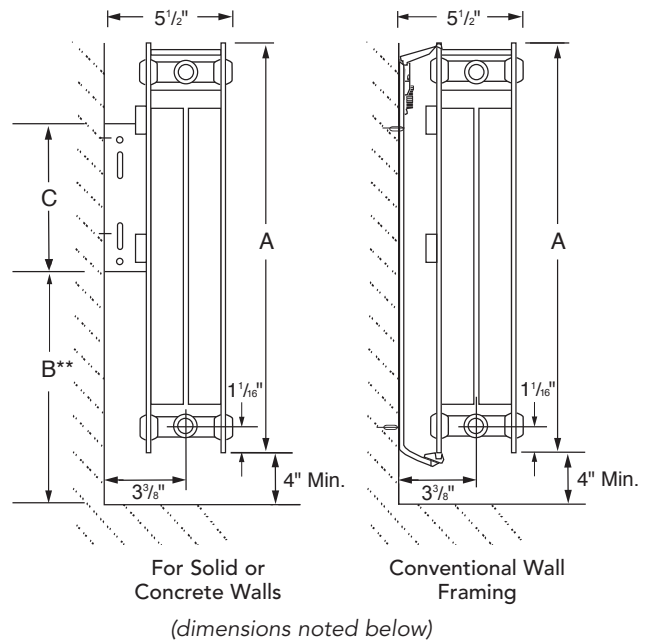
Select Type 22VN Double Convactor

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	2430	SD 30 60VN	21.6	0.56
		39 3/8	4050	SD 30 100VN	35.1	0.90
		55 1/8	5670	SD 30 140VN	49.5	1.27
		70 7/8	7290	SD 30 180VN	63.9	1.64
16	15-3/4	20 1/2	2603	SD 40 50VN	24.2	0.56
		23 5/8	3124	SD 40 60VN	29.1	0.68
		28 3/8	3645	SD 40 70VN	33.9	0.79
		31 1/2	4165	SD 40 80VN	37.6	0.87
		36 1/4	4686	SD 40 90VN	42.4	0.98
		39 3/8	5207	SD 40 100VN	47.2	1.10
		47 1/4	6248	SD 40 120VN	56.9	1.32
24	23-5/8	63	8331	SD 40 160VN	76.3	1.77
		15 3/4	2900	SD 60 40VN	29.2	0.68
		20 1/2	3625	SD 60 50VN	36.4	0.84
		23 5/8	4350	SD 60 60VN	43.7	1.01
		28 3/8	5075	SD 60 70VN	51.0	1.18
		31 1/2	5800	SD 60 80VN	56.5	1.31
		36 1/4	6525	SD 60 90VN	63.7	1.47
		39 3/8	7251	SD 60 100VN	71.0	1.64
		44 1/8	7976	SD 60 110VN	78.3	1.81
		47 1/4	8701	SD 60 120VN	85.6	1.98
30	29-1/2	52	9426	SD 60 130VN	92.9	2.15
		55 1/8	10151	SD 60 140VN	100.1	2.31
		63	11601	SD 60 160VN	114.7	2.65
		15 3/4	3258	SD 70 40VN	39.2	0.92
		20 1/2	4072	SD 70 50VN	49.0	1.20
		23 5/8	4887	SD 70 60VN	58.8	1.38
		28 3/8	5701	SD 70 70VN	68.6	1.66
		31 1/2	6516	SD 70 80VN	76.0	1.84
		36 1/4	7330	SD 70 90VN	85.8	2.12
		39 3/8	8144	SD 70 100VN	95.6	2.30
47 1/4	9773	SD 70 120VN	115.2	2.76		
55 1/8	11402	SD 70 140VN	134.8	3.22		
63	13031	SD 70 160VN	154.4	3.68		

NOTE: For pressure drop values refer to the graph on page 7



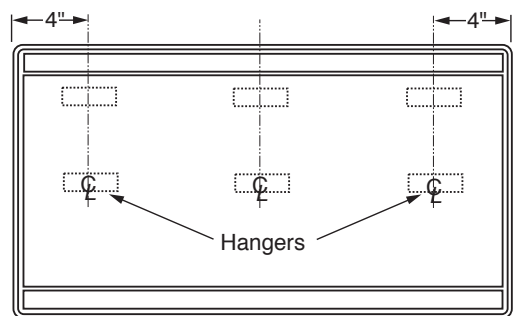
Select Side Profile with Brackets



Nominal Height	A	B**	C
12"	11-13/16"	6"	6-1/4"
16"	15-3/4"	6"	10-3/8"
24"	23-5/8"	6"	18-1/8"
30"	29-1/2"	6"	24-1/16"

** Includes a minimum clearance of 4" from floor to bottom of Select Radiator

Select Mounting Panel for Bracket Installation



(dimensions are nominal)

T6 IVC Radiators

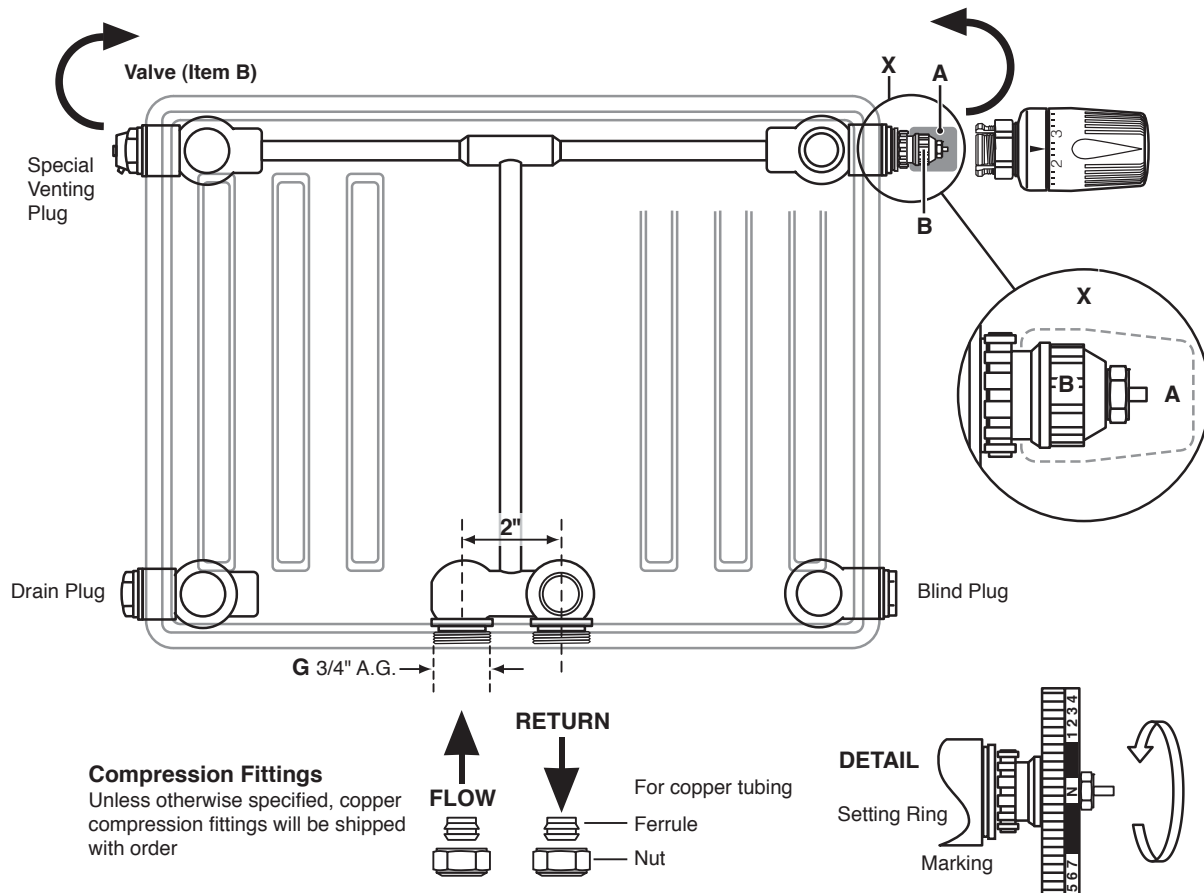
The center-connection Radiator features innovative design, high quality workmanship, and high heat output.

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 T6 Radiator is a ready-to-install radiator and includes a wall-mounting bracket set, a thermostatic valve insert, drain-off plug, air bleed vent and compression fittings for 1/2" copper tubing. Compression fittings for 1/2" pex are available as a substitute. Herz TRV Head is available as an option.

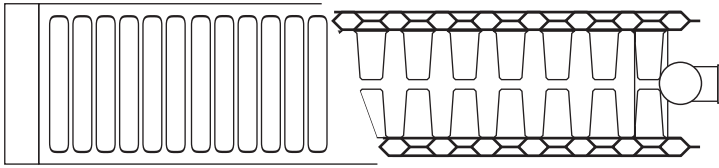
Swapping the right-hand side built-in valve to the left-hand side is no problem at all at any time.

Radiators are delivered with protective caps. After removing the protective cap (pos. A) the following thermostat heads can be fitted directly to the built-in valve (pos. B): "RA 2000", "RAW" by Danfoss, "VK" by Heimeier, "D" by Herz, "thera DA" by MNG and "UNI XD" by Oventrop.



Setting Information

- Bottom center connections must be used for internal valve function.
- 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".

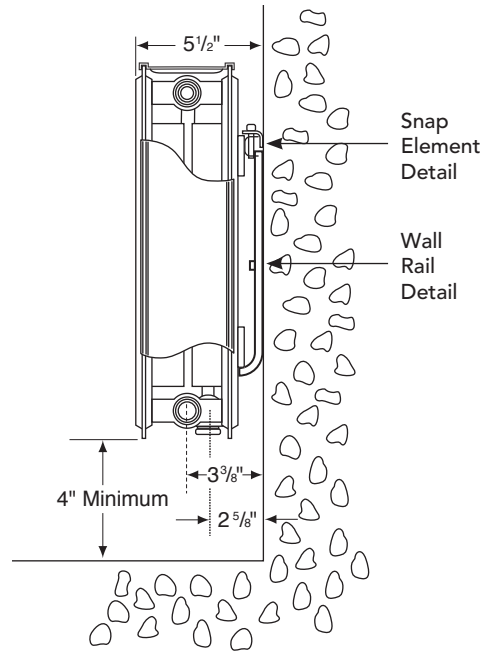
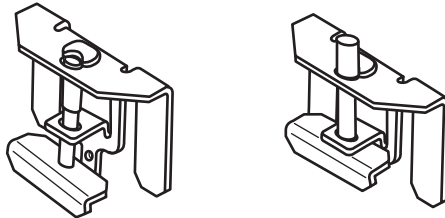


T6 IVC

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
24	23-5/8	78 3/4	14057	TK2-5-20	174.9	2.77
		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

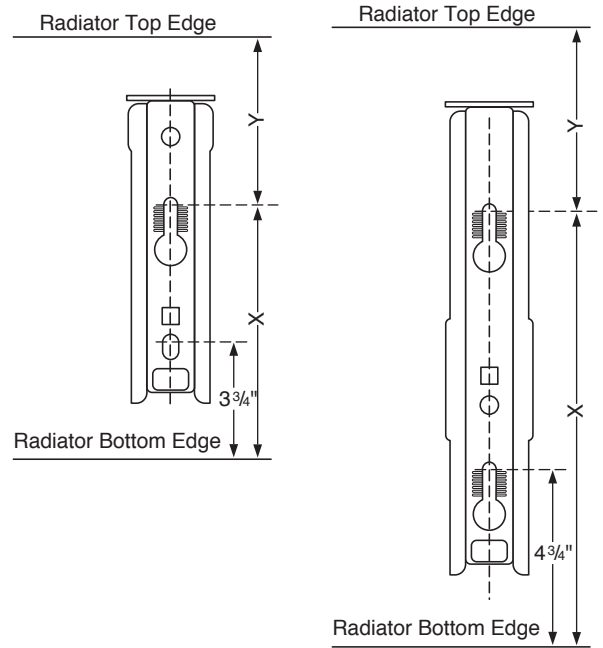
With integrated anti-lift out device and a device that prevents movement



Wall Rail Details*

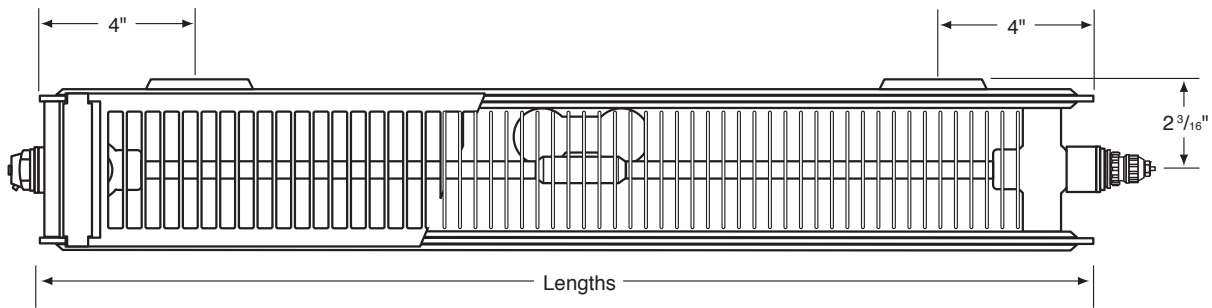
Wall Rail for Height TK2-3

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"

* style may vary



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

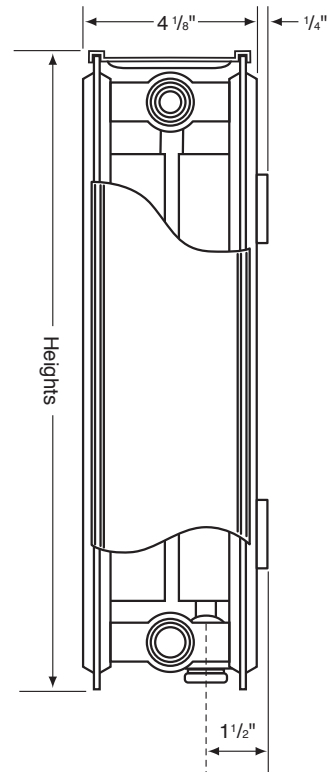
Maximum working temperature 230°F

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.

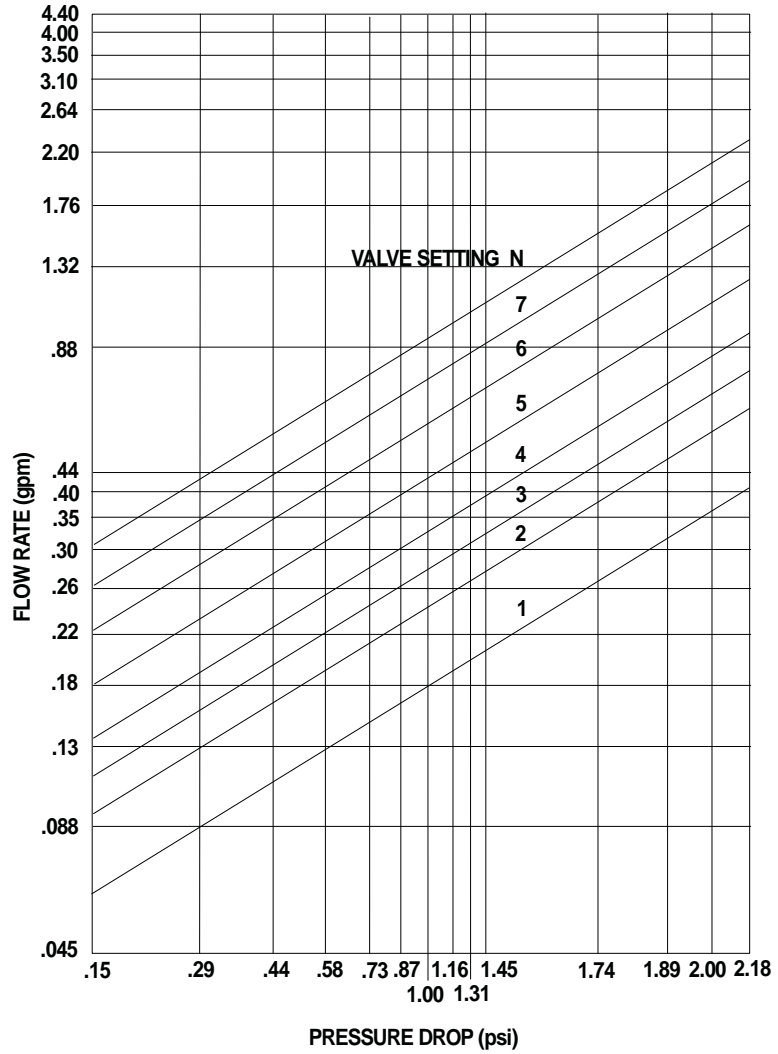
Conversion Factors

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 8 for Heat Output Adjustment Factors.

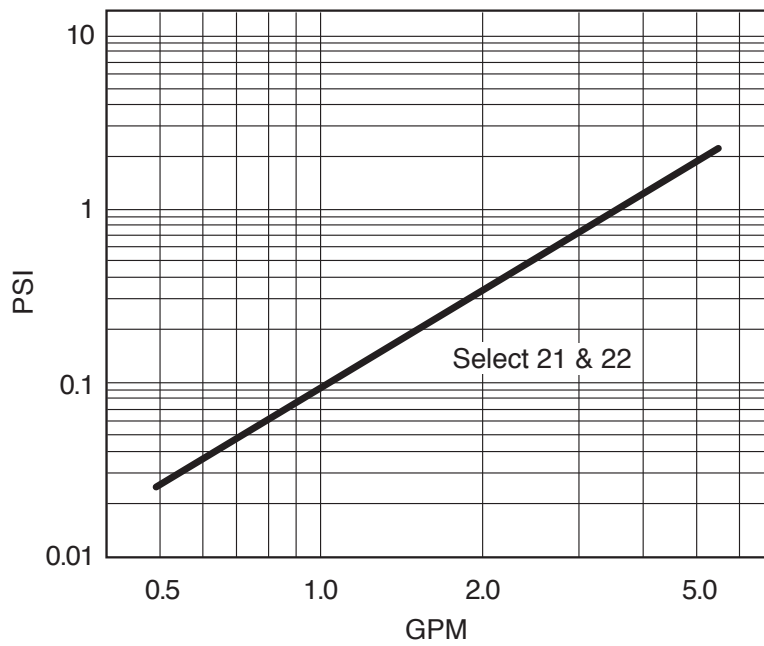


Pressure Loss Graphs

T6 IVC Radiators



Select Radiators



Select & T6 IVC

Heat Output Adjustment Factors

Temperature Difference¹

°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
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¹Certified 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 T6 Radiator model to meet every room situation and Btu output requirement. The following examples use Select models.


Select SX-70-90VN

Heat Output: 5702 Btu/hr
Length: 36.22"
Water Content: 1.71 gal




Select SX-60-100VN

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-70-90VN 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 2)
Adjustment Multiplier at 90°F: $\times 0.80$ (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.

LST Radiators *Low Surface Temperature*

Why Choose Myson LST Radiators

There are some installations that require heating equipment to operate at a lower surface temperature. For example, higher surface temperatures are not appropriate for those most vulnerable such as young children, the elderly and infirm. The unique design of the Myson LST gives a surface temperature of less than 109°F. This ensures absolute safety without compromising on heat output into the room.

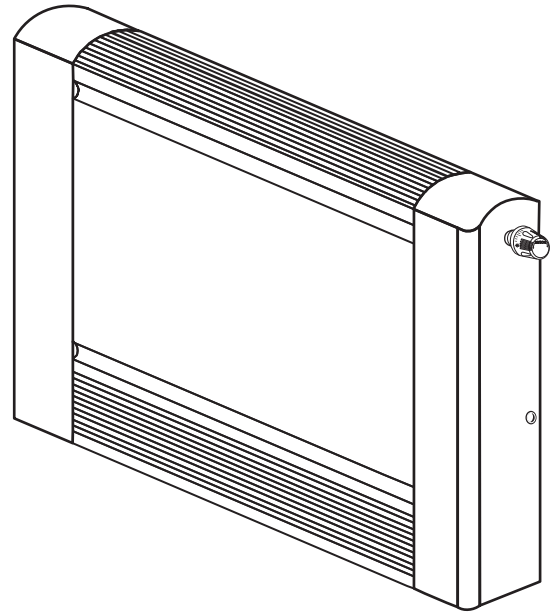
The low surface temperature of Myson LST Radiators makes them ideal in situations where safety is paramount. Increasingly they are specified and installed by health authorities, local authorities, government departments, leisure centers and public buildings.

Myson—The Original

Myson was the first radiator manufacturer to base its LST Radiator on its well-proven steel panel radiator range. This not only ensures that there is a radiator to suit almost every application, but that reliability is built in and second to none.

Myson LST Radiators are available in four heights and up to eight lengths for maximum flexibility, and have many unique features, making selection really easy.

As with all Myson products, installation couldn't be simpler, and with a host of clever design features and clean simple lines, you can be sure that the Myson LST Radiator will look good in any situation.



General Specifications

Introduction

Myson LST Radiators are intended for use in heating applications where a low surface temperature is required (less than 109°F with inlet water at 180°F) or is desirable for other reasons. Typical applications are hospitals, clinics, retirement homes, nurseries, public buildings (e.g. schools, libraries, sports halls, etc.) and private housing.

Description

The LST Radiators consist of an efficient internal heat emitter in an attractive and robust .047" (18 gauge) steel enclosure. The enclosure is designed to give protection against high surface temperatures and also provides for concealment and security of pipework and valves. A simple unique locking arrangement prevents unauthorized removal but gives ready and convenient access for venting and cleaning, decorating, etc.

Surface Temperatures

Surface temperatures are below 109°F with water inlet temperature up to 180°F.

Range

The Myson LST is available in fifty-six sizes comprising four heights 22", 26", 34" and 38", and up to eight lengths from 32" to 78". Two types are available, Super and Super Plus.

Connections

Myson LST Radiators are fitted with 1/2" BSP threaded connections.

Accessories

Concealed wall brackets, air vent, and plug are supplied with every radiator. A fitting instruction leaflet is also included.

Pressures

Every Myson LST Radiator is tested to a pressure of 152.5 psi and is suitable for a working pressure of 117.1 psi.

Installation

Myson LST Radiators are for use on closed loop systems only, with a maximum working temperature of 180°F.

When installing the unit, allow for any floor covering. For example, allow an additional 3/16" above any floor that is likely to become wet when cleaning.

The installation work must be done in accordance with recognized good practice and precautions taken to avoid contamination which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the Manufacturer's Instructions must be strictly followed.

Cleaning and Maintenance

Myson LST Radiators have been designed and constructed to enable venting, cleaning and maintenance to be carried out easily without disturbance to plumbing. The casing and top grill are rounded to prevent items from being stacked on top and reducing heat output. A simple screw prevents unauthorized removal of the casing but gives easy access for cleaning.

Packaging

Each LST Radiator is individually packed in a single protective cardboard carton which displays the unique model identification code. Concealed wall brackets are a standard feature of all models and the single piece case makes fitting easy. The Myson LST is delivered as a complete unit from stock, but the radiator can be fitted separately in order to avoid damage to the casing prior to installing.

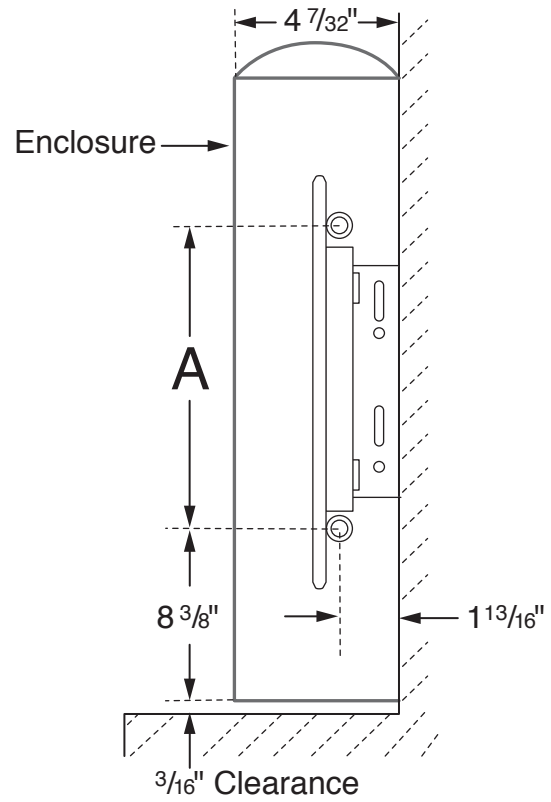
Approval and Certification

All Myson LST Radiators are manufactured and tested to BS EN 442. Every radiator carries the BS Kitemark which certifies independent approval of heat output and verifies production under a quality system to BS EN ISO 9002.



Super LST

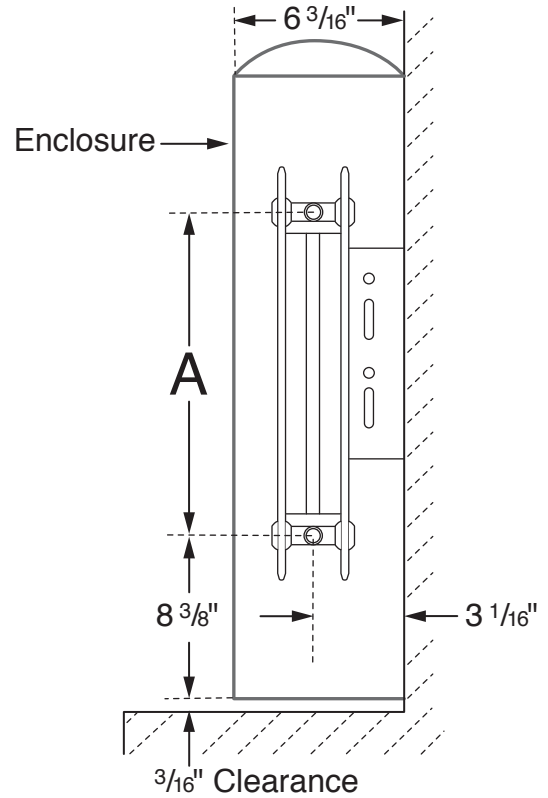
Nominal Height (in)	Actual Height (in)	Actual Length (in)	Output (Btu/hr)	Order Code	Weight (lbs)	Water Content (gals)
22	21-5/8	31 1/2	9855	5 LS 080	26.7	0.29
		39 3/8	1313	5 LS 100	33.6	0.37
		47 1/4	1641	5 LS 120	40.7	0.44
		63	2298	5 LS 160	54.7	0.59
		78 3/4	2954	5 LS 200	68.5	0.73
26	25-5/8	23 5/8	854	6 LS 060	24.3	0.28
		31 1/2	1282	6 LS 080	32.8	0.37
		39 3/8	1709	6 LS 100	41.4	0.46
		47 1/4	2136	6 LS 120	50.0	0.55
		55 1/8	2563	6 LS 140	58.7	0.64
		63	2990	6 LS 160	67.4	0.73
		70 7/8	3417	6 LS 180	76.1	0.83
34	33-1/2	78 3/4	3845	6 LS 200	84.7	0.92
		23 5/8	1222	8 LS 060	33.8	0.41
		31 1/2	1838	8 LS 080	46.1	0.55
		39 3/8	2451	8 LS 100	58.4	0.69
		47 1/4	3064	8 LS 120	70.7	0.83
		55 1/8	3677	8 LS 140	83.2	0.96
		63	4290	8 LS 160	95.6	1.10
38	37-7/16	70 7/8	4902	8 LS 180	108.1	1.24
		78 3/4	5515	8 LS 200	120.4	1.38
		23 5/8	1402	9 LS 060	38.0	0.47
		31 1/2	2102	9 LS 080	51.9	0.62
		39 3/8	2803	9 LS 100	65.9	0.78
		47 1/4	3504	9 LS 120	79.8	0.94
		55 1/8	4205	9 LS 140	93.9	1.10
63	4906	9 LS 160	107.9	1.25		
70 7/8	5607	9 LS 180	122.0	1.40		



A	9-3/4" — (5LS)
	13-11/16" — (6LS)
	21-9/16" — (8LS)
	25-1/2" — (9LS)

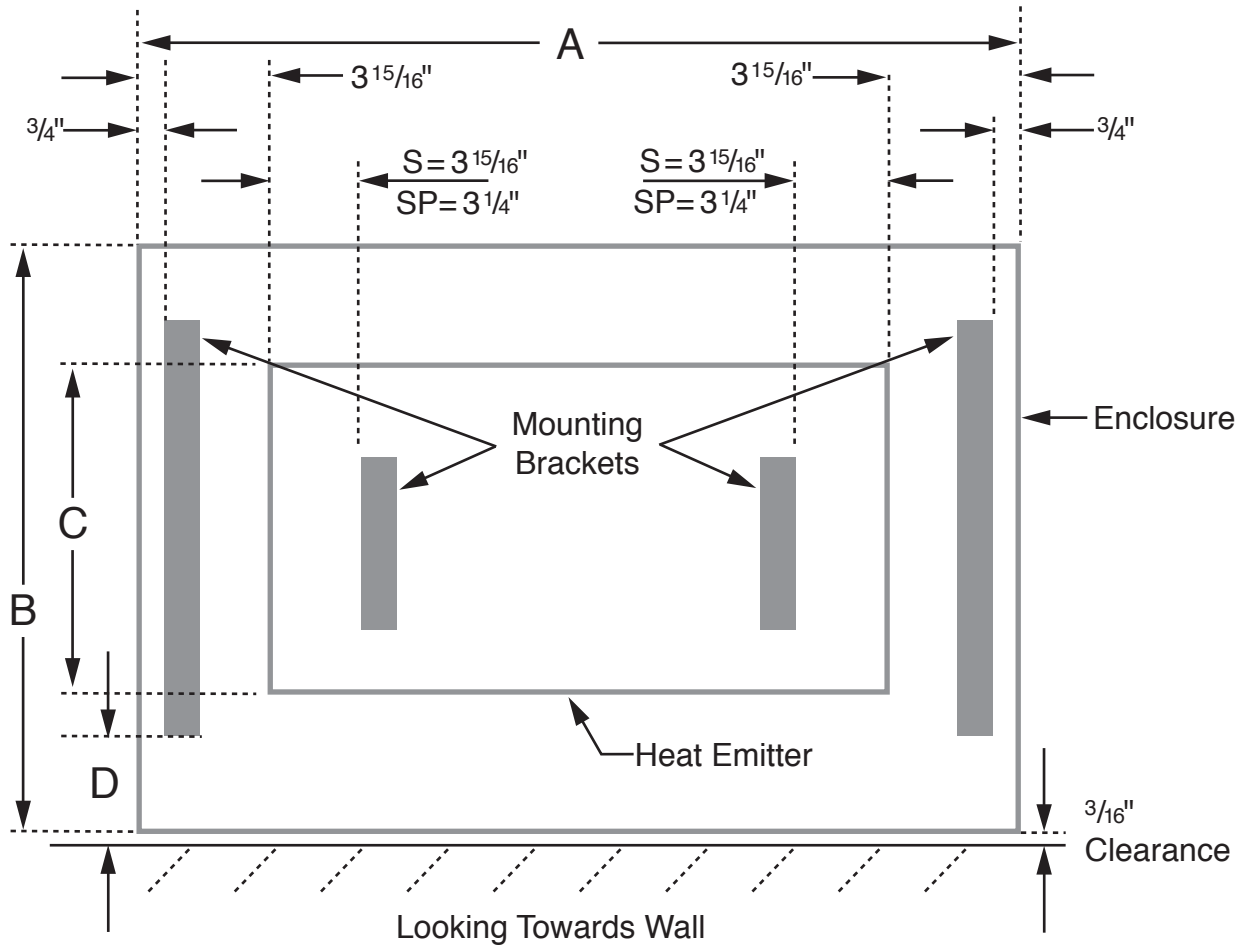
Super Plus LST

Nominal Height (in)	Actual Height (in)	Actual Length (in)	Output (Btu/hr)	Order Code	Weight (lbs)	Water Content (gals)
22	21-5/8	31 1/2	1930	5 LSP 080	39.5	0.60
		39 3/8	2574	5 LSP 100	50.0	0.73
		47 1/4	3217	5 LSP 120	60.6	0.88
		63	4504	5 LSP 160	81.8	1.20
		78 3/4	5791	5 LSP 200	103.0	1.50
26	25-5/8	23 5/8	1579	6 LSP 060	35.9	0.56
		31 1/2	2368	6 LSP 080	49.3	0.75
		39 3/8	3158	6 LSP 100	62.7	0.94
		47 1/4	3947	6 LSP 120	76.1	1.13
		55 1/8	4737	6 LSP 140	89.6	1.32
		63	5526	6 LSP 160	103.0	1.51
		70 7/8	6316	6 LSP 180	116.6	1.70
34	33-1/2	23 5/8	2170	8 LSP 060	50.8	0.81
		31 1/2	3255	8 LSP 080	70.3	1.10
		39 3/8	4340	8 LSP 100	89.8	1.40
		47 1/4	5425	8 LSP 120	109.3	1.63
		55 1/8	6510	8 LSP 140	128.8	1.90
		63	7595	8 LSP 160	148.4	2.20
		70 7/8	8680	8 LSP 180	168.1	2.44
38	37-7/16	23 5/8	2477	9 LSP 060	57.5	0.95
		31 1/2	3715	9 LSP 080	79.8	1.27
		39 3/8	4954	9 LSP 100	102.1	1.58
		47 1/4	6192	9 LSP 120	124.5	1.90
		55 1/8	7431	9 LSP 140	146.8	2.22
		63	8669	9 LSP 160	169.2	2.53
		70 7/8	9908	9 LSP 180	191.6	2.85



A	9-3/4" — (5LSP)
	13-11/16" — (6LSP)
	21-9/16" — (8LSP)
	25-1/2" — (9LSP)

Dimensions and Bracket Positions



(A) Enclosure Length	23-5/8"	31-1/2"	39-1/8"	47-1/4"	55-1/8"	63"	70-7/8"	78-3/4"
(B) Enclosure Height	22-1/2"	26-1/2"	34-3/8"	38-1/4"				
(C) Emitter Height	11-13/16"	15-3/4"	23-5/8"	27-9/16"				
(D) Enclosure Mounting Brackets								
Height	Model	Model	Model	Model				
5-5/16"	5LS	5LSP	8LS	8LSP				
9-1/4"	6LS	6LSP	9LS	9LSP				

Décor Radiators

General Specifications

DECOR convectors and horizontal heating panels are radiators in fully welded designs, with either 1 to 5 layers of steel rectangular water-flow tubes arranged one-behind-the-other (for convectors), or 1 or 2 such layers (for horizontal heating panels). In each layer, the convectors have between one and four tubes arranged one-above-the-other; the horizontal heating panels have from 2 to 11 tubes.

DECOR vertical heating panels consist of 1 or 2 layers of steel rectangular water flow tubes, arranged one-behind-the-other, with 6 to 10 steel pipes, arranged side-by-side.

A 5/62" space between the heating pipes guarantees additional resistance to corrosion. DECOR convectors and horizontal heating panels come with side panels and top covers; DECOR

vertical heating panels come with side panels. DECOR heating panels are delivered with welded mounting brackets. (Except the 2H)

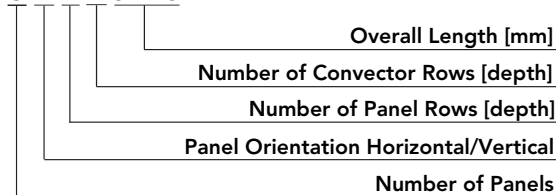
All DECOR convectors and heating panels are also delivered with factory-sealed drain plugs and pivotable vent plugs. (Exception: bottom-opposite-end connection models come with a dummy plug instead of the drain plug.)

Standard design: rectangular steel tubes 2-3/4" x 7/6" x 16 ga.

High-pressure design: rectangular steel tubes, 2-3/4" x 7/16" x 14 ga.

PRODUCT DESCRIPTION

6H22090



Baseboard dimensions: 2H

Overall lengths: between 23-5/8 inches and 118-1/8 inches

Overall height: 5-9/16 inches (2 panels)

Horizontal radiator dimensions: 3H - 11H

Overall lengths: between 23-5/8 inches and 94 1/2 inches

Overall heights: between 8-7/16 inches (3 panels) and 31-1/8 inches (11 panels)

Vertical radiator dimensions: 5V - 10V

Overall lengths of: 14-1/8, 16-15/16, 22-5/8, and 28-1/4 inches

Overall height: 78-3/4 inches

- Additional sizes and models are available as special order

Coatings:

1. Undercoat: electrophoretic, using water-soluble paints, conforming to DIN 55900 part 1, stoved at 329° F;
2. Finish: electrostatic powder coating, conforming to DIN 55900 part 2, in a state-of-the-art facility. (On request, and at a supplementary charge, a range of RAL and sanitary ware colours can be offered.) This particularly robust coating is stoved at an object temperature of 356° F.

- Packaging:**
1. Cardboard packaging
 2. Edge protection
 3. Shrink foil

All the production sites' production processes are certified according to ISO. The quality and performance specifications of the convectors and heating panels have been verified by recognised European institutions.

The standards that the quality certificates require us to maintain give you security, the best heating performance and premium product quality.



Connections:

2 x internal thread G 1/2" BSP, welded-in for supply and return. Vent and drain plugs (or dummy plug) are factory sealed and are fitted according to the customer's specifications.



Maximum positive operating pressure

Standard design: **72 psi**



Maximum positive operating pressure:

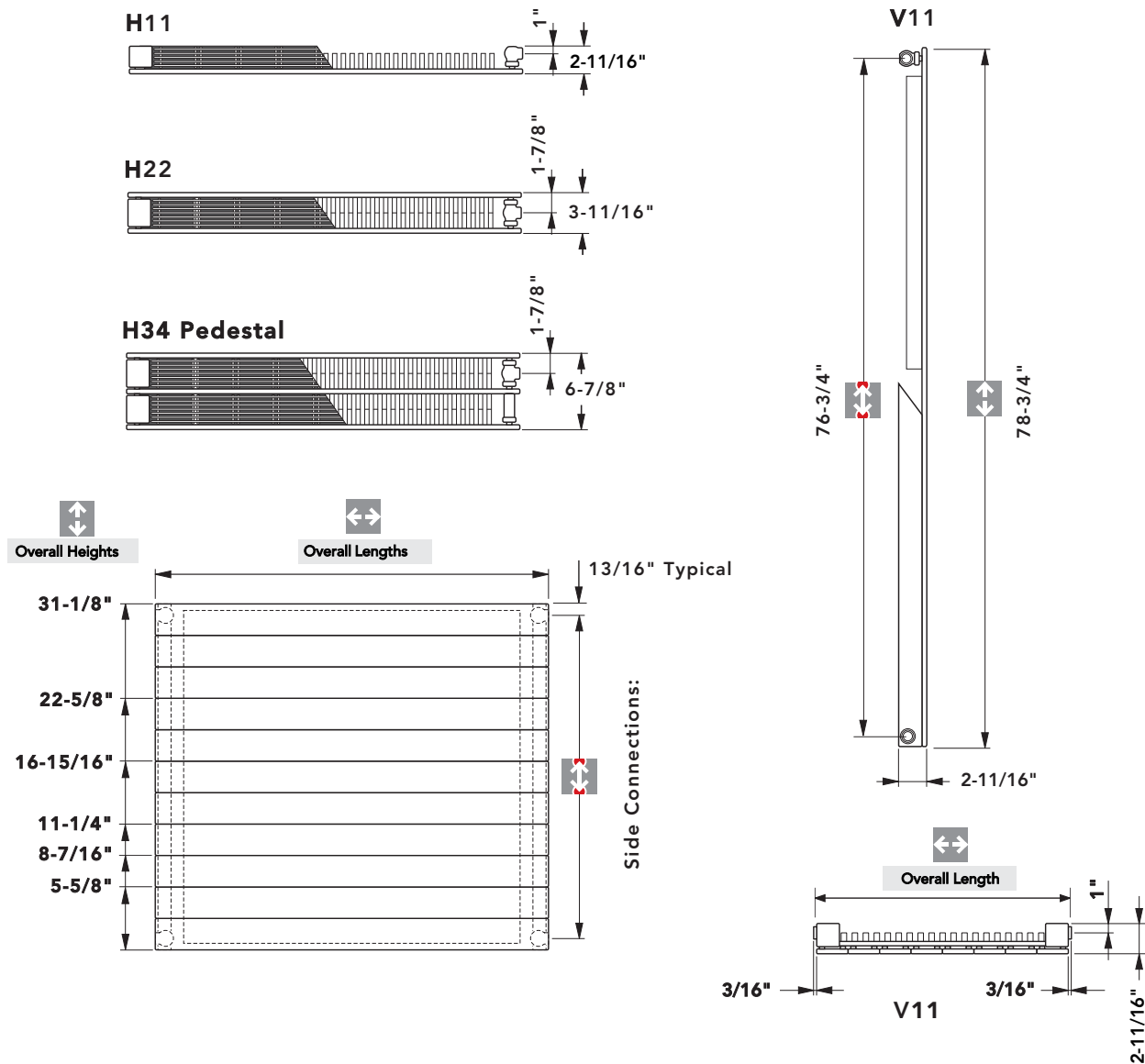
High-pressure design Special Order (supplementary charge): **116 psi**



Maximum operating temperature: 230° F



Dimensional Information Summary



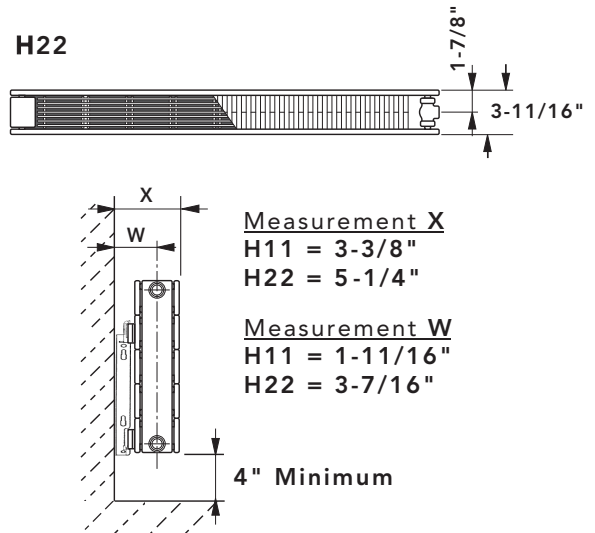
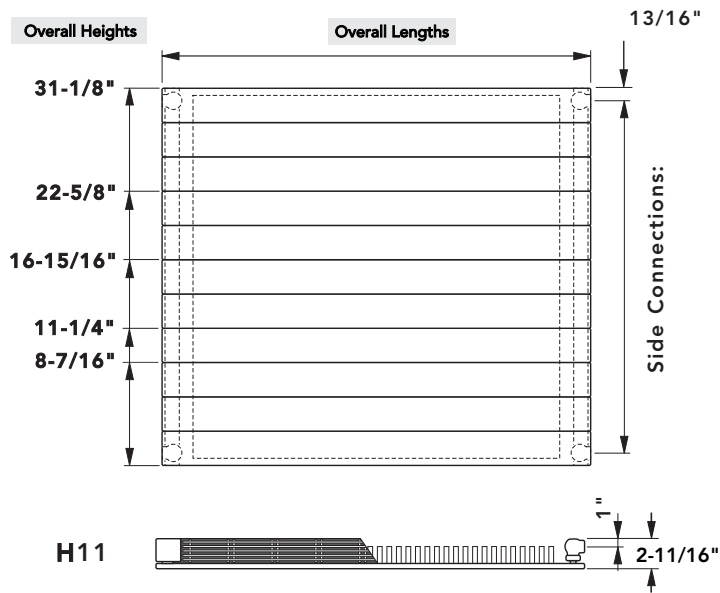
Model Height	2H	3H	4H	6H	8H	11H
Overall height [in]	5-5/8"	8-7/16"	11-1/4"	16-15/16"	22-5/8"	31-1/8"
Tapping spacing [in]	4"	6-7/8"	9-9/16"	15-3/8"	21"	29-1/2"

Model Length	**060	**080	**090	**100	**120	**140	**160	**180	**200	**220	**240	**300
Overall length	23-5/8"	31-1/2"	35-7/16"	39-3/8"	47-1/4"	55-1/8"	63"	70-7/8"	78-3/4"	86-5/8"	94-1/2"	118-1/8"

Vertical Model	5V11	6V11	8V11	10V11
Overall length	14-1/8"	16-15/16"	22-5/8"	28-1/4"

All Dimensions are nominal

Specifications

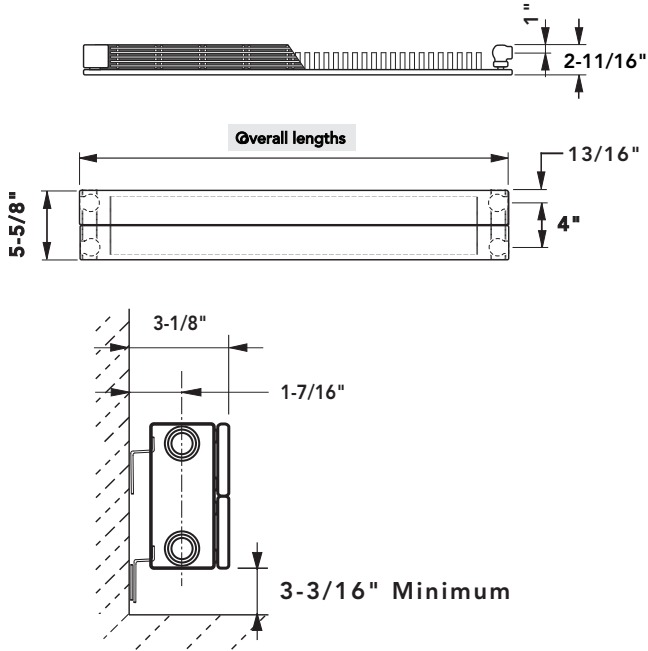


Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
3H11060VN	23 5/8	1558	.26	15.00
3H11090VN	35 7/16	2343	.39	22.33
3H11120VN	47 1/4	3122	.52	29.77
3H11160VN	63	4160	.70	39.69
3H11180VN	70 7/8	4681	.78	44.65
3H11220VN	86 5/8	5724	.95	54.57
3H11240VN	94 1/2	6245	1.04	59.54
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4H11060VN	23 5/8	1940	.36	19.20
4H11090VN	35 7/16	2909	.53	28.81
4H11120VN	47 1/4	3879	.71	38.42
4H11160VN	63	5174	.95	51.22
4H11180VN	70 7/8	5825	1.06	57.62
4H11220VN	86 5/8	7144	1.30	70.43
4H11240VN	94 1/2	7764	1.42	76.83
<hr/>				
6H11060VN	23 5/8	2887	.52	26.27
6H11080VN	31 1/2	3849	.69	35.03
6H11100VN	39 3/8	4811	.87	43.79
6H11140VN	55 1/8	6736	1.22	61.30
6H11180VN	70 7/8	8660	1.56	78.82
<hr/>				
8H11060VN	23 5/8	3501	.71	34.59
8H11080VN	31 1/2	4665	.95	46.12
8H11100VN	39 3/8	5830	1.18	57.65
8H11140VN	55 1/8	8160	1.66	80.70
8H11180VN	70 7/8	10496	2.13	103.76
<hr/>				
11H11060VN	23 5/8	4147	.97	44.39
11H11080VN	31 1/2	5596	1.29	59.19
11H11100VN	39 3/8	6995	1.62	74.00
11H11140VN	55 1/8	9793	2.26	103.58
11H11180VN	70 7/8	12591	2.91	133.18

Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
6H22060VN	23 5/8	5394	1.06	48.86
6H22080VN	31 1/2	7187	1.42	65.14
6H22100VN	39 3/8	8988	1.77	81.43
6H22140VN	55 1/8	12581	2.48	114.00
6H22180VN	70 7/8	16175	3.19	146.57
<hr/>				
8H22060VN	23 5/8	6391	1.42	64.85
8H22080VN	31 1/2	8526	1.89	86.47
8H22100VN	39 3/8	10654	2.36	108.09
8H22140VN	55 1/8	14917	3.31	151.32
8H22180VN	70 7/8	19180	4.25	194.55
<hr/>				
11H22060VN	23 5/8	7575	1.94	83.45
11H22080VN	31 1/2	10098	2.58	111.26
11H22100VN	39 3/8	12621	3.25	139.07
11H22140VN	55 1/8	17667	4.52	194.70
11H22180VN	70 7/8	22720	5.81	250.33

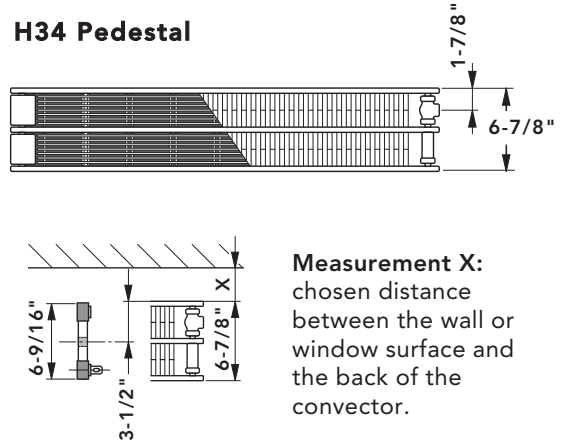
Specifications

H11 Baseboard



Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
2H11060VN	23 5/8	1235	.18	10.28
2H11090VN	35 7/16	1852	.26	15.42
2H11120VN	47 1/4	2469	.35	20.55
2H11140VN	55 1/8	2881	.40	23.98
2H11160VN	63	3292	.46	27.41
2H11180VN	70 7/8	3704	.52	30.83
2H11220VN	86 5/8	4527	.63	37.68
2H11240VN	94 1/2	4938	.69	41.11
2H11300VN	118 1/8	6173	.87	51.38

H34 Pedestal



Measurement X: chosen distance between the wall or window surface and the back of the convactor.

Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
2H34100VN	39 3/8	6647	.87	52.77
2H34140VN	55 1/8	9306	1.22	73.87
2H34180VN	70 7/8	11964	1.56	94.98
2H34220VN	86 5/8	14623	1.91	116.08

Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
4H34100VN	39 3/8	10907	1.79	102.38
4H34140VN	55 1/8	15629	2.48	143.33
4H34180VN	70 7/8	19630	3.19	184.28
4H34220VN	86 5/8	23998	3.90	225.23

Correction Factors

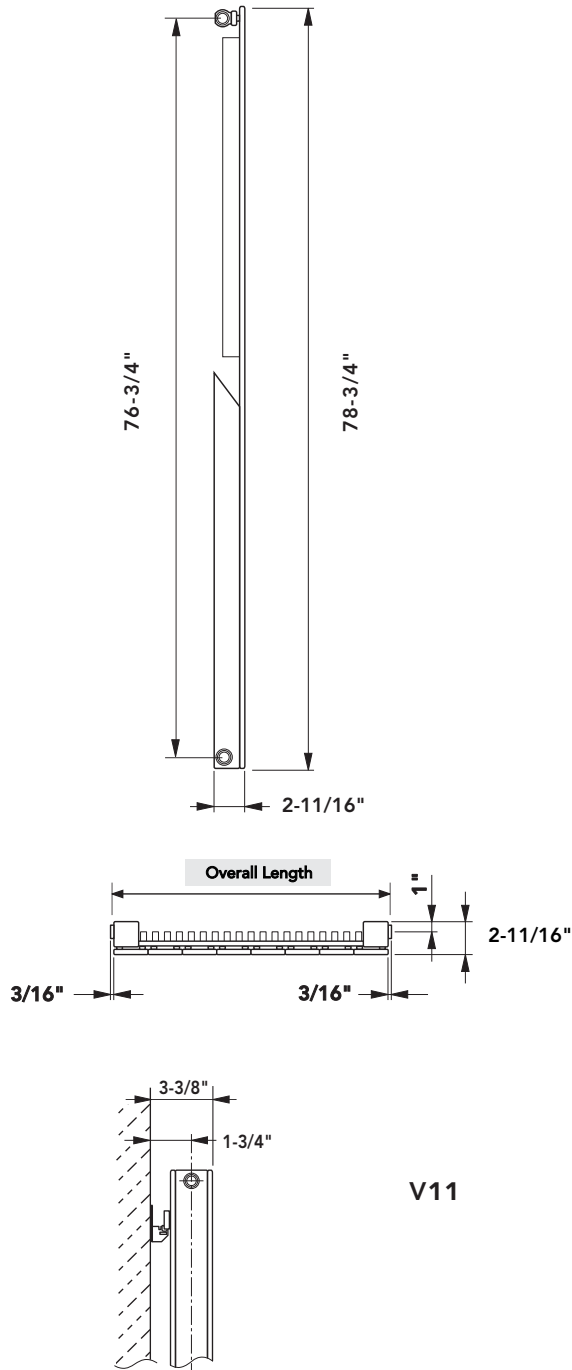
Decor output values* for Average Water Temperatures (AWT) other than 180°F can be calculated using the correction factors shown. Temperature difference is the AWT minus 68°F, the Entering Air Temperature (EAT)

Average Water Temperature (°F)	Temperature Difference (°F)	Factor
180	112	1.00
170	102	0.89
160	92	0.78
150	82	0.67
140	72	0.56
130	62	0.46
120	52	0.36
110	42	0.27

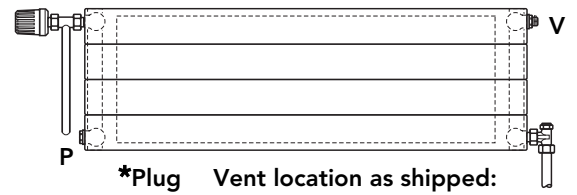
* At minimum flow rate: 1 gpm

Specifications

V11 Vertical



Top-bottom opposite-end side-connection left-side supply*

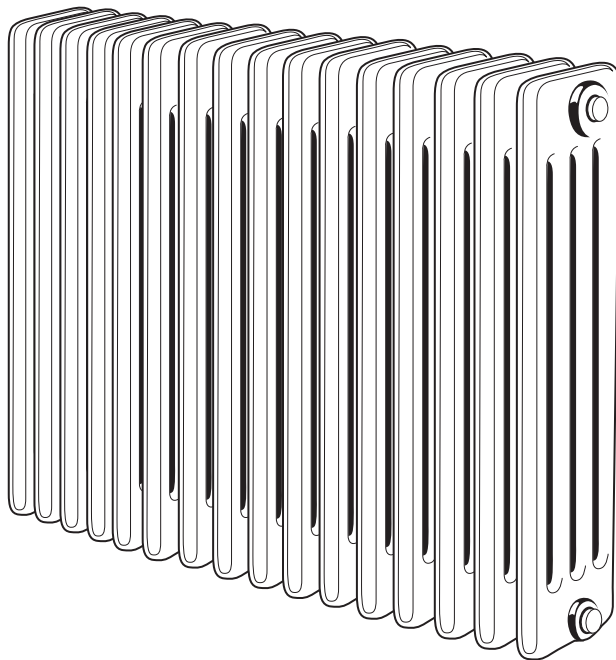


Typical tapping and valve arrangement. Additional arrangements, styles and sizes are available as special order. Please consult Myson for lead times and specific model configuration availability.

Product Code	Overall Length (in)	Output @180°F (Btu/hr)	Water Content (gals)	Weight (lbs)
5V11200VN	14 1/8	4719	1.32	58.30
6V11200VN	16 15/16	5671	1.58	69.90
8V11200VN	22 5/8	7565	2.11	93.38
10V11200VN	28 1/4	9459	2.63	116.59

Column Radiators

Steel Radiators



General Specifications

MANUFACTURE

Myson Column Radiators are manufactured using a unique laser welding process that virtually eliminates the visible welding points associated with the traditional methods of manufacturing this type of radiator. The clean finish significantly enhances the aesthetic qualities of the radiator.

APPROVAL AND CERTIFICATION

All Myson Column Radiators are manufactured and tested to EN 442.

PAINT FINISH

Every radiator undergoes a multistage pre-treatment process followed by an epoxy polyester primer coating. A baked epoxy polyester powder coat in white (RAL 9016) is applied to all front and rear surfaces allowing the Myson Column Radiator to be fitted without further painting. Other colors are available on request.

APPLICATION

Myson Column Radiators are for use on domestic and commercial central heating installations, with a maximum working temperature of 248°F. The system should be designed with particular care taken to avoid air entry or water discharge.

Panel Radiators must be installed on a closed loop heating system.

The installation work must be carried out in accordance with recognized good practice, and precautions taken to avoid contamination, which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the manufacturer's instructions must be strictly followed.

PRESSURE DROP

Because of the large tube dimensions used in the Myson Column Radiator, the internal pressure loss can be ignored.

TUBE DETAILS

Precision, D-profile steel tube is used for all outside surfaces, which ensures high outputs and soft, rounded edges for maximum safety.

WATER CONNECTIONS

Stock range: Four 1/2" BSP threaded welded water connections. Radiators include plug and vent.

PRESSURE TESTING

All Myson Column Radiators are tested at 189 psi for a working pressure of 145 psi.

MOUNTING BRACKETS

All Myson Column Radiators are supplied with standard wall bracket kits comprising an appropriate number of RW wall brackets and RH radiator brackets.

OPTIONS

RAL colors are available as special order.

Length (in)	Sections	Output (Btu/hr)	Product Code	Weight (lbs)	Water Content (gals)
2 Column					
18 Inch Height					
24	12	1847	12-2045	19.8	1.68
32	16	2462	16-2045	26.5	2.24
40	20	3078	20-2045	33.0	2.80
48	24	3693	24-2045	39.6	3.36
56	28	4309	28-2045	46.2	3.92
72	36	5540	36-2045	59.4	5.00

24 Inch Height					
24	12	2448	12-2060	25.9	2.10
32	16	3265	16-2060	34.6	2.80
40	20	4081	20-2060	43.2	3.50
48	24	4897	24-2060	52.0	4.20
56	28	5713	28-2060	60.5	4.90

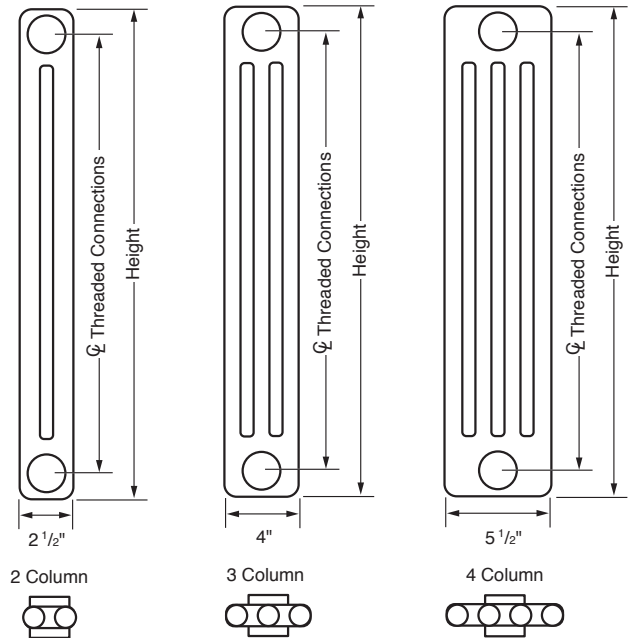
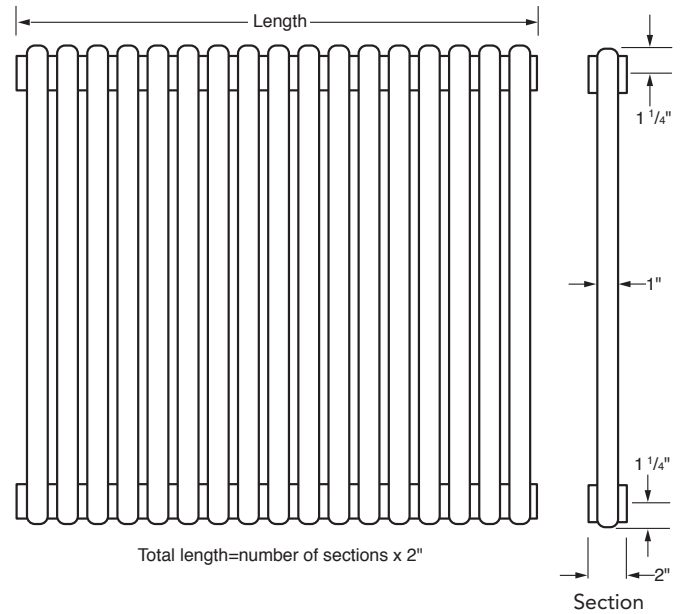
79 Inch Height					
12	6	4041	6-2200	41.4	3.00
16	8	5388	8-2200	55.2	4.02
20	10	6735	10-2200	69.0	5.02
24	12	8082	12-2200	82.8	6.02
30	15	10103	15-2200	103.5	7.53

3 Column					
12 Inch Height					
32	16	2380	16-3030	27.5	2.42
40	20	2975	20-3030	34.4	3.02
56	28	4165	28-3030	48.2	4.23
72	36	5355	36-3030	62.0	5.44

18 Inch Height					
24	12	2674	12-3045	29.6	2.41
32	16	3565	16-3045	39.5	3.22
40	20	4456	20-3045	49.4	4.02
48	24	5347	24-3045	59.3	4.83
56	28	6239	28-3045	69.2	5.63
72	36	8021	36-3045	88.9	7.24

24 Inch Height					
24	12	3566	12-3060	38.6	3.05
32	16	4755	16-3060	51.5	4.06
40	20	5944	20-3060	64.4	5.08
48	24	7132	24-3060	77.3	6.10
56	28	8321	28-3060	90.2	7.12

4 Column					
24 Inch Height					
24	12	4213	12-4060	51.6	4.00
32	16	5618	16-4060	68.8	5.33
40	20	7022	20-4060	86.0	6.67
48	24	8426	24-4060	103.2	8.00

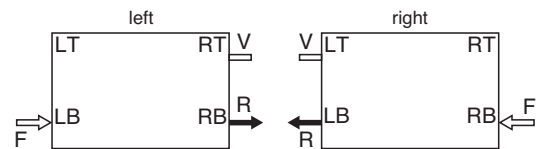


Pressure Drop

Because of the large tube dimensions used in the Myson Column Radiator, the internal pressure loss can be ignored.

Connection Options

Bottom Bottom Opposite End (BBOE)



Myson Column radiators have four side connections, which are given the following codes. These are viewed from the front of the radiator.

V = Air Vent	LT= left top
E = Drain	RT= right top
F = Flow (⇔)	LB= left bottom
R = Return (→)	RB= right bottom

Tapping: 1/2"

Heat Outputs

Tested Heat Outputs According to EN442

T₁ = Flow Temperature

T₂ = Return Temperature

T_R = Ambient Air Temperature

$$\Delta T = \frac{T_1 + T_2}{2} - T_R$$

Eg: T₁ = 167°F, T₂ = 149°F, T_R = 68°F

$$\Delta T = \frac{167 + 149}{2} - 68 = 90^\circ\text{F}$$

Correction Factors (U_r)

For heat outputs @ ΔT's other than 90°F

ΔT[°F]	Factor	ΔT[°F]	Factor	ΔT[°F]	Factor
117	1.408	90	1.000	63	0.627
115	1.380	88	0.974	61	0.604
113	1.352	86	0.948	59	0.581
112	1.324	85	0.922	58	0.558
110	1.296	83	0.897	56	0.535
108	1.268	81	0.871	54	0.512
106	1.241	79	0.846	52	0.491
104	1.213	77	0.821	50	0.469
103	1.186	76	0.796	49	0.447
101	1.159	74	0.771	47	0.426
99	1.132	72	0.747	45	0.404
97	1.105	70	0.723	43	0.383
95	1.079	68	0.699	41	0.363
94	1.052	67	0.675	40	0.342
92	1.026	65	0.651	38	0.322

Example

For model 28-3030 (see 3 Column 12" height on page 28):
Standard heat output (based upon ΔT = 90°F) = 4165 Btu/hr

Actual conditions:

Inlet flow temperature = 158°F
Return flow temperature = 131°F
Average room temperature = 64°F

ΔT = 80°F
(see table above)

Correction factor U_r = 0.871 (see table above)

Actual heat output: 4165 Btu/hr x 0.871 = 3628 Btu/hr

TEMPERATURE DIFFERENCE FOR OTHER ΔT'S

For flow temperatures from 194°F to 122°F and return temperatures from 158°F to 104°F.

Temperature Difference (ΔT)

T ₁ Flow Temp. (°F)	T _R Ambient Air Temp. (°F)	T ₂ Return Temperature (°F)						
		158	149	140	131	122	113	104
194	59	117	113	108	104	99	95	90
	64	112	107	103	98	94	89	85
	68	108	104	99	95	90	86	81
	72	104	100	95	91	86	82	77
	75	101	96	92	87	83	78	74
185	59	113	108	104	99	95	90	86
	64	107	103	98	94	89	85	80
	68	104	99	95	90	86	81	77
	72	100	95	91	86	82	77	73
	75	96	92	87	83	78	74	69
176	59	108	104	99	95	90	86	81
	64	103	98	94	89	85	80	76
	68	99	95	90	86	81	77	72
	72	95	91	86	82	77	73	68
	75	92	87	83	78	74	69	65
167	59	104	99	95	90	86	81	77
	64	98	94	89	85	80	76	71
	68	95	90	86	81	77	72	68
	72	91	86	82	77	73	68	64
	75	87	83	78	74	69	65	60
158	59	95	90	86	81	77	72	68
	64	89	85	80	76	71	67	63
	68	86	81	77	72	68	64	59
	72	82	77	73	68	64	59	55
	75	78	74	69	65	60	56	52
149	59	86	81	77	72	68	63	59
	64	80	76	71	67	62	58	54
	68	77	72	68	63	59	55	51
	72	73	68	64	59	55	51	47
	75	69	65	60	56	52	48	44
140	59	77	72	68	63	59	54	50
	64	71	67	62	58	53	49	45
	68	68	63	59	54	50	46	42
	72	64	59	55	50	46	42	38
	75	60	56	51	47	43	39	35
131	59	68	63	59	54	50	46	42
	64	62	58	53	49	45	41	37
	68	59	54	50	46	42	38	34
	72	55	50	46	42	38	34	30
	75	51	47	42	38	34	30	26
122	59	59	54	50	46	42	38	34
	64	53	49	45	41	37	33	29
	68	50	46	42	38	34	30	26
	72	46	42	38	34	30	26	22
	75	42	38	34	30	26	22	18

Mounting Systems and Accessories

The table on the right gives recommendations for the number of brackets to be used with each radiator.

The strength of the wall should be checked for its load-bearing capabilities before installation.

Type	2 to 4 Column	
Number of Sections	0-20	21-40
Up to 39" Height Wall-Mounted		
Angle Brackets - RW	4	6
Radiator Bracket - RH	4	6
Floor Mounting		
Floor bracket - SK	2	3
Over 39" Height Wall-Mounted		
Angle Brackets - RW	4	6
Radiator Bracket - RH	4	6

Angle Brackets RW (included with radiator)

For wall mounting, with anti-vibration inserts, painted to RAL 9016

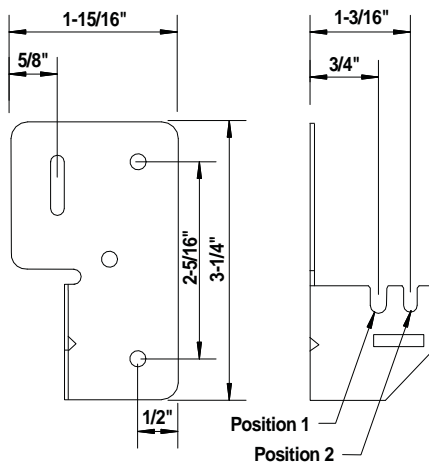
Myson Column Radiator Rough-in Specifications

To obtain pipe centers using Myson valves multiply the number of sections by 2" and add 3.5".

Example: A 12 section radiator would be
 $12 \times 2" + 3.5" = 27.5"$

Pipe centers from finished wall are dependent on which mounting slot is selected on the mounting bracket and the number of column.

		2 Column	3 Column	4 Column
Position 1	Minimum	2-1/2"	3-1/4"	4"
Position 2	Maximum	2-7/8"	3-5/8"	4-7/16"

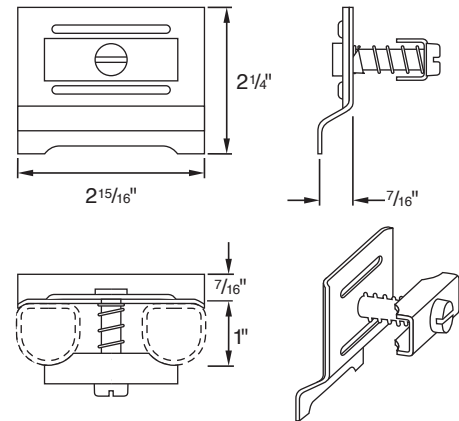


Column Radiator Mounting Brackets

	Code
LH Bracket (shown)	D950-1507
RH Bracket	D950-1508

Radiator Bracket RH (included with radiator)

Code
 Painted to RAL 9016 50-1302



Floor Brackets

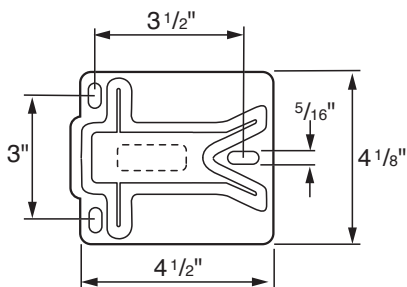
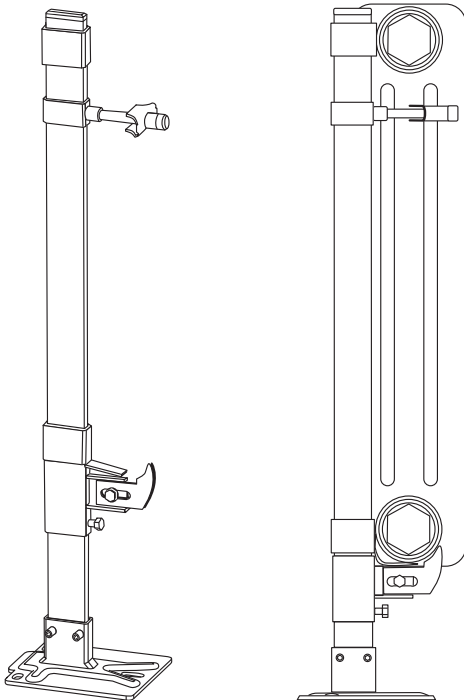
Floor Bracket SK

Complete system for free-standing radiators, from 2-6 column up to 39" height. Painted to RAL 9016.

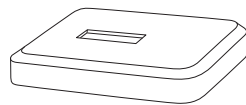
Comprises:

1/8" thick base-plate for fixing to either finished or unfinished floor, upright support 1-3/8" x 3/8" x 1/16" mounting set with adjustable bracket, security fixing, anti-vibration insert, adjustable bottom support with spacer and security fixing, anti-vibration insert, white plastic end stop for top of upright.

Height of Upright	Height of Radiator	Code
18"	12"	SK2-300
24"	18"	SK2-450
30"	24"	SK2-600



Dimensions of base-plate for Floor Bracket SK and Clamped Floor Bracket FK

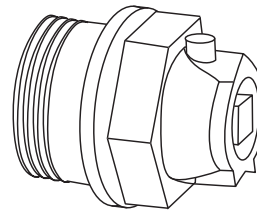


Two-part cover for baseplate in white plastic 4-5/16" X 5-5/16"

Code
50-1004

Accessories

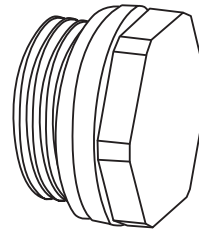
Chrome Vent Plug (included with radiator)



With washer and directable nozzle

Code
CR 1/2" BSP 81-0202

Chrome Blanking Plug (included with radiator)



With washer

Code
R 1/2" BSP 81-0106

Touch-Up Paint Stick

To repair chipped paint

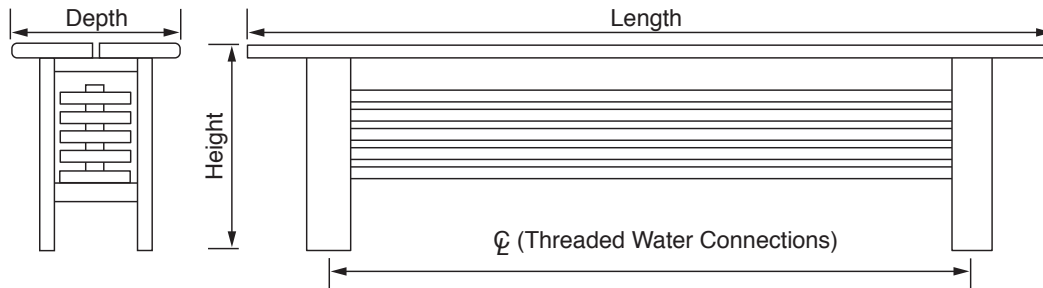
	Code
RAL 9016	81-0272
Other colors	81-0274

Bench Radiators

Comfort and Convenience

The Myson Bench Radiator incorporates the Myson Column Radiator into an individually styled piece of furniture that can be used as a bench. The radiator comes complete with a high quality, two-part, beech laminated seat, specially designed feet and supports to hide all pipework, a thermostatic radiator valve and all necessary fixings. The radiator is also available separately if a different seat finish is required.

The Myson Bench radiator is available as standard in any color.



Architectural Range

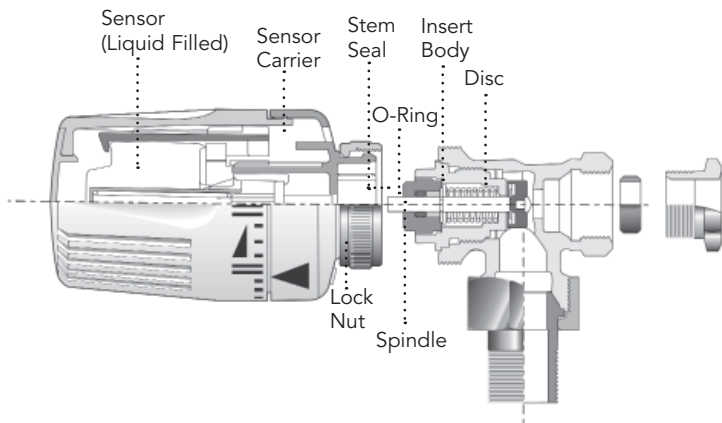
Length Incl. Seat (in)	Number of Sections	Height Incl. Seat (in)	Depth Incl. Seat (in)	Output (Btu/hr)	Product Code (Includes Seat)	Weight (lbs)	Water Content (gals)	CL Threaded Water Connections (in)
53	5	19	14	3528	23-05-6100	75	3.75	37
53	6	21	14	4231	23-06-6100	87	4.49	37
61	5	19	14	4185	23-05-6120	85	4.41	45
61	6	21	14	5022	23-06-6120	99	5.28	45
73	5	19	14	6452	23-05-6150	146	4.52	56-1/2
73	6	21	14	7530	23-06-6150	161	6.50	56-1/2
85	5	19	14	7868	23-05-6180	172	5.34	68-3/8
85	6	21	14	9182	23-06-6180	190	7.64	68-3/8
93	5	19	14	8895	23-05-6200	186	5.90	76-1/4
93	6	21	14	10383	23-06-6200	205	8.42	76-1/4

TRVII Radiator Valves

Now you can control temperatures room by room!

Myson TRV II Radiator Valves provide a cost-effective method of achieving better energy efficiency by allowing you to control temperatures in your house, room by room.

Choose the precise temperature you want in each room and the Myson TRV II automatically maintains it. It's quick and easy to have the Myson TRV II installed: there's no complicated plumbing and the cost is amazingly small compared to the savings you'll see in your heating bills year after year.



TRV II Valve

This is how Myson's unique TRV II Valve works:

- Each TRV II has a sensor element which consists of a liquid-filled capsule with an immersed bellows and push rod;
- As the ambient temperature rises, the liquid in the sensor's metal capsule expands and compresses the bellows, causing the integral push rod to close the valve;
- As the room's ambient temperature drops, the liquid in the capsule contracts, allowing the bellows to retract the push rod to open the valve.

Added Benefit:

Another special feature of the TRV II is its two integral locking pins, allowing you to lock the temperature at one setting or limit it to a specific range of temperatures.

Comfort, safety & durability

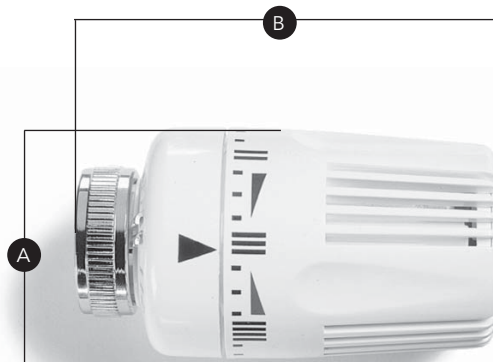
The Myson TRV II:

- Controls the level of heat in individual rooms, much like a zone valve;
- Automatically shuts off when the need for heat is satisfied;
- Has a locking or limited range adjustment to prevent tampering;
- Provides optimum comfort while reducing energy waste and heating costs.

Technical Data:

- For Hot Water Systems Only
- Maximum Operating Pressure 145 psi
- Maximum Water Temperature 248°F
- Conforms to ISO 9002
- Liquid-Filled Sensor Element
- Time Constant: 26 min
- Hysteresis <2°F
- Setting Ambient Range 46°F to 83°F
- Normal Setting 68°F
- Frost Setting 46°F
- Maximum Differential Pressure 8 psi

The Myson TRV II Valve incorporates a notched economy position (set at 68°F) which gives a warning when the valve is turned to higher temperatures.



TRV II	A	B
2TRVHD	1-15/16"	3-9/16"

Setting range of temperature with proportional band of <4°F

*	I	II	III	IIII	●
42°F	50°F	57°F	64°F	72°F	79°F

Closing temperatures of the sensor

○	*	I	II	III	IIII	●
OFF	46°F	53°F	60°F	68°F	75°F	83°F

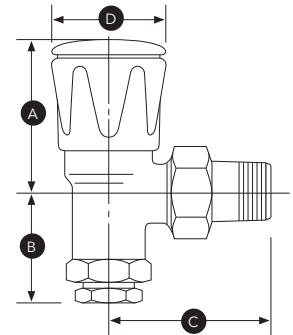
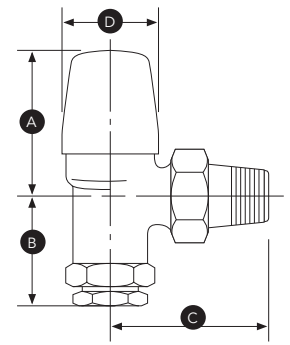
Myson Fullflow Range Valves

The MYSON Fullflow Heavyweight Valve is a high performance valve for providing on/off control.

The non-rising spindle mechanism uses a double O-ring seal capable of withstanding 145 psi at 245°F in either the full open or closed position. Because the applications to which the FullFlow is suited have higher operational demands, the mechanism has been ingeniously designed to allow maintenance while in service. The spindle may be removed for servicing while the plunger remains securely sealed, preventing sudden escapes of system water.

The FullFlow handwheel and lockshield cover are manufactured in high quality ABS and are screw-fixed to the valve spindle. The handwheel has a smooth appearance and easy-to-clean surface.

- Maximum operating pressure 145 psi
- Maximum water temperature 248°F
- Conforms to ISO-9002
- Available in high quality polished chrome finish.
- One valve for copper compression or iron pipe threads
- Double O-ring seal and non-rising spindle
- O-ring seal on union guarantees water tight seal
- Copper compression or female pipe thread inlet
- Outlet is 1/2" male BSPT
- All valves are shipped with the base tapped for nominal 1/2" threads and with a matching compression nut and ferrule.



FULLFLOW RANGE VALVES		G	A	B	C	D
WHEELHEAD ANGLE	FF16WAC	1/2"	2-5/32"	1-3/4"	2-5/32"	1-17/32"
LOCKSHIELD ANGLE	FF16LAC	1/2"	2-1/16"	1-3/4"	2-5/32"	1-3/8"

Lockshield Body for Two-Pipe Heating Systems

Myson offers two adjustable valve bodies for Two-Pipe Heating Systems: Vertical Angle and Straight Body

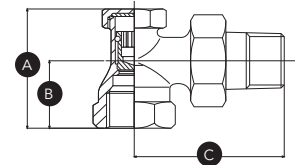
- Stamped Brass, Nickel Plated
- Maximum Operating Pressure 145 psi
- Maximum Water Temperature 248°F
- Copper compression or female pipe thread inlet
- Outlet is 1/2" male BSPT

To determine flow through the lockshield valves, choose the body style* and design pressure drop in psi. The chart below shows the C_v^{**} factor for each style and valve setting. Use this equation to calculate flow:

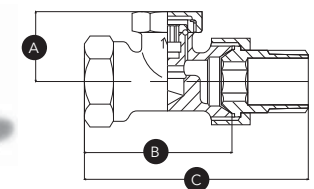
$$\text{Flow}[\text{gpm}] = C_v \sqrt{dP[\text{psi}]}$$

*Each valve body is shipped in the closed position

** C_v = gpm@1 psi differential pressure



VERTICAL ANGLE BODY	Size	A	B	C
LKD16AN	1/2"	1-3/4"	1-1/32"	2-1/4"



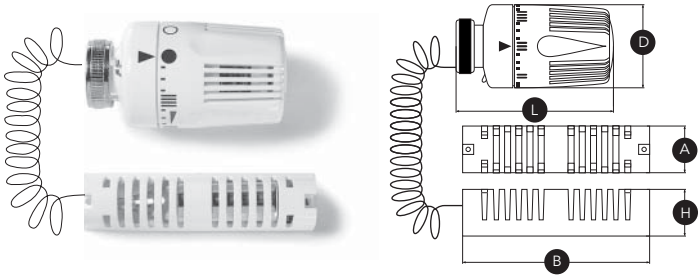
STRAIGHT BODY	Size	A	B	C
LKD16SN	1/2"	15/16"	2"	3-1/8"

TURNS	.25	.50	.75	1.0	1.25	1.50	1.75	2.0	2.25	2.50	2.75	3.0	3.25	3.50	3.75	4.0	4.25	4.50	4.75	5.0
Vertical Angle	0.22	0.36	0.55	0.80	0.96	1.10	1.26	1.51	1.71	1.88	2.07	2.29	2.46	2.62	2.76	2.97	3.13	3.31	3.43	3.57
Straight Body	0.29	0.35	0.43	0.51	0.61	0.71	0.79	0.87	0.97	1.06	1.13	1.20	1.27	1.32	1.36	1.40	1.43	1.45	1.47	1.48

Remote Sensor

Myson's Remote Sensor helps our valve do the job where a standard valve can't.

Use our Remote Sensor when valve placement makes it difficult or impossible to sense air temperature correctly, such as when it must be placed behind furniture or curtains, or when the valve is in direct sunlight. The TRV II is set and responds exactly as a standard valve, except that a length of capillary tubing connects the SENSOR to the VALVE.

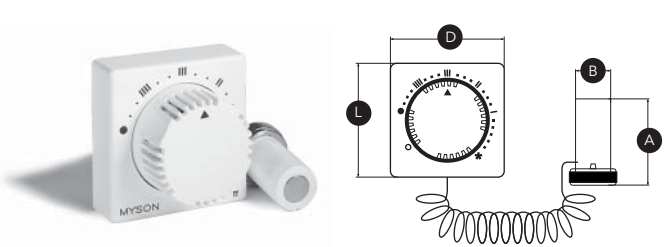


STANDARD CAPILLARY LENGTHS		A	B	D	H	L
6' 2TRVRS2	15' 2TRVRS5	1-1/8"	4-7/16"	1-15/16"	1-1/8"	3-9/16"

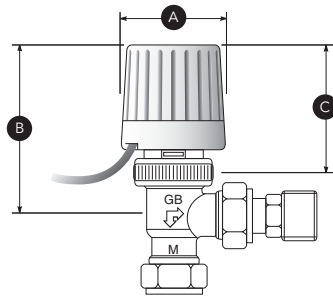
Remote Adjuster

Myson's Remote Adjuster allows easy temperature control where manual access to the valve would be difficult.

The Remote Adjuster can be wall-mounted anywhere from 6 to 15 feet away from the valve. The Remote Adjuster should be positioned where the air cannot continually pass freely over it.



STANDARD CAPILLARY LENGTHS		A	B	D	L
6' 2TRVRA2	15' 2TRVAS5	2-1/8"	1-9/32"	3-1/8"	3-1/8"



THERMO-ELECTRIC VALVE	A	B	C
2TRVEL 024	1/2"	1-3/4"	2-7/8"

Thermo-Electric Radiator Valves

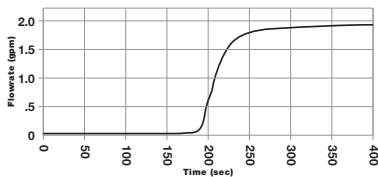
Myson Thermo-Electric Radiator Valves may be used to accurately control room temperature via a room thermostat or central control (thermostat and transformer are not provided).

These Myson Valves may be positioned behind long curtains, in boxes or in direct sunlight without loss of performance. The room thermostat is positioned on the optimal point on the wall and can be used to control one or more Thermo-Electric Valves, giving equal temperature regulation throughout the control zone.

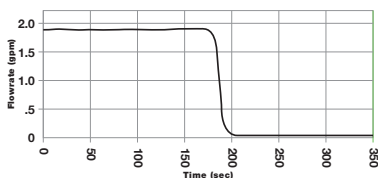
An integral indicator gives visual confirmation of whether the valve is open or closed.

Performance

24V Thermo-Electric Valve



Opening Curve



Closing Curve

Specifications

Electro Head	2 TRVEL 024
Operating Voltage	24V AC+/-10%
Electric Input	
-Temporary Operation (While Opening)	0.7A
-Continuous Operation	130mA,3W
Over Voltage Protection	Varistor
Operating Characteristics	Closed when no current
Opening Time	3 minutes
Closing Time	3 minutes
Strokes	.118" maximum
Ambient Temperature	122°F maximum
Cable Length	40"
Protection Class	Class II, IP41

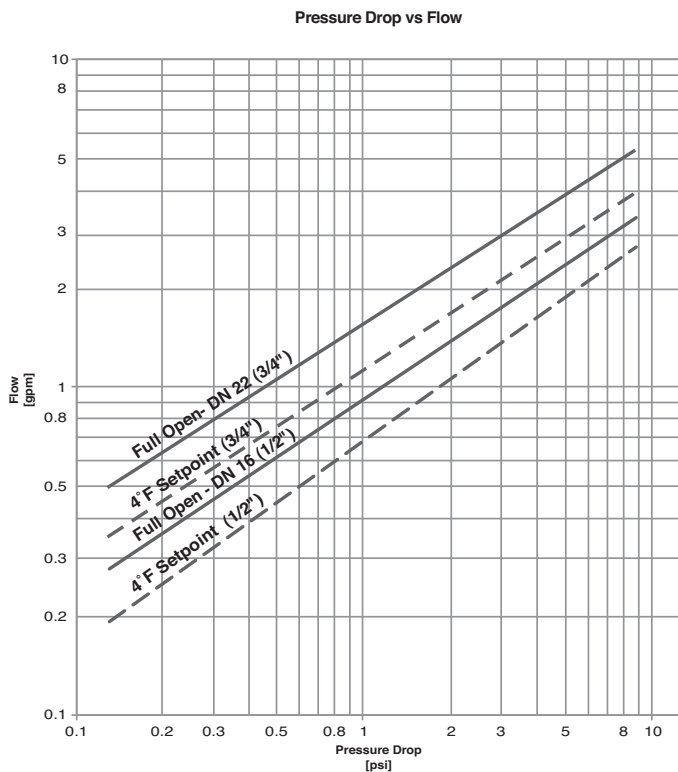
Thermostatic Body for Two-Pipe Heating Systems

The engineering of the Myson TRV II Thermostatic Radiator Valve Body allows the valve to operate correctly at all differential pressures, in either flow direction, without loss of performance. The Thermostatic Valve Body, for Two-Pipe Heating Systems, is available in a Vertical Angle, Straight, and Horizontal Angle Body.

Features:

- Nickel Plated, Stamped Brass Body
- Maximum Water Temperature 248°F
- Commissioning Cap - White
- Copper compression or female pipe thread inlet
- Outlet is 1/2" male BSPT

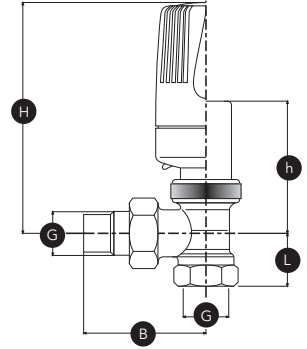
TRV II Flow Characteristics



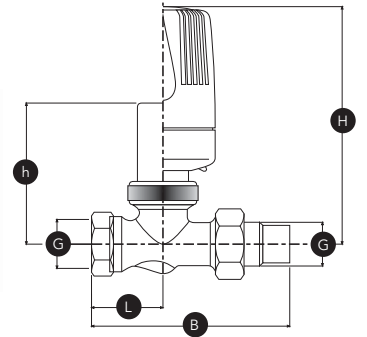
Note: The valve opening is determined by the temperature difference between the sensor (room temperature) and the setpoint on the valve. Typical design calls for a 4°F setpoint difference, i.e. when the room temperature at the sensor is 64°F and the TRVII is set at a control temperature of 68°F (the III setting), the flow through the valve can be determined by the 4°F Setpoint line shown in the figure above.

MYSON TRV valves maintain their quiet operation up to pressure drops of about 8 psi. To avoid water noise or chatter, good design practice suggests that design pressures be kept below this threshold.

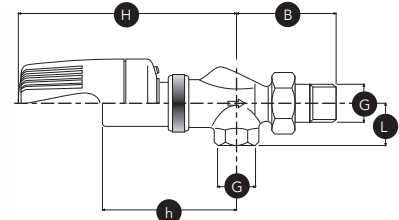
Vertical Angle Body



Straight Body



Horizontal Angle Body



VERTICAL ANGLE BODY	G	B	L	H*	h*
2TRV16ANP	1/2"	2-1/4"	1-1/16"	4-1/4"	2-15/16"

STRAIGHT BODY	G	B	L	H*	h*
2TRV16SNP	1/2"	3-3/4"	1-3/8"	4-7/16"	3-5/32"

HORIZONTAL ANGLE BODY	G	B	L	H*	h*
2TRV16INP	1/2"	2-1/16"	1-7/16"	4-1/2"	3-1/8"

H* fitted with 2TRV Head or 2TRV Head (Remote Sensor)
h* fitted with 2TRV ADJ Head (Remote Adjuster)

Notes



MYSON

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