

# Standard Hydronic Radiators - UF Series



- Readily available
- Easy to Install: Uniform fittings allow each radiator to be piped eight different ways. All pipe fittings are 1/2" NPT with 1/8" vent fittings. (vent included) Continuous mounting eliminates the need for backing. simply wall mount. (hardware included)
- Easy to Sell: Whether it's one radiator or a whole house, Runtal radiators are designed to impress. Runtal is attractive, durable, healthy, and comfortable. Runtal may be used as a replacement for fin-tube baseboard or cast iron radiators, or can be used with low temperature systems. It also makes a perfect radiant alternative to floor heating.
- Valves, accessories, and standard trims in stock.
- Runtal radiators carry a 5 year warranty.



## RUNTAL BASEBOARD/WALL PANEL OUTPUTS \*

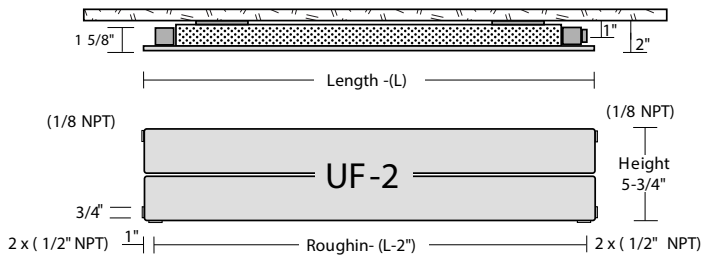
Length (Ft)	UF-2	UF-3	UF-4	UF-6	UF-8
	600 BTUH/Ft*	770 BTUH/Ft*	930 BTUH/Ft*	1430 BTUH/Ft*	1810 BTUH/Ft*
2	1,200	1,540	1,860	2,860	3,620
2.5	1,500	1,925	2,325		
3	1,800	2,310	2,790	4,290	5,430
3.5	2,100	2,695	3,255		
4	2,400	3,080	3,720	5,720	7,240
5	3,000	3,850	4,650		
6	3,600	4,620	5,580	8,580	10,860
7	4,200	5,390	6,510		
8	4,800	6,160	7,440		
9	5,400	6,930	8,370		
10	6,000	7,700	9,300		
11	6,600	8,470	10,230		
12	7,200	9,240	11,160		
13	7,800	10,010	12,090		
14	8,400	10,780	13,020		

\*Outputs shown are based on 180°F AWT at 70°F room temperature. Outputs at 140° are 350, 450, 550, 850 and 1050 Btu's/Ft on UF-2, UF-3, UF-4, UF-6 and UF-8 respectively. For outputs at various temperatures, see the complete Runtal catalog.



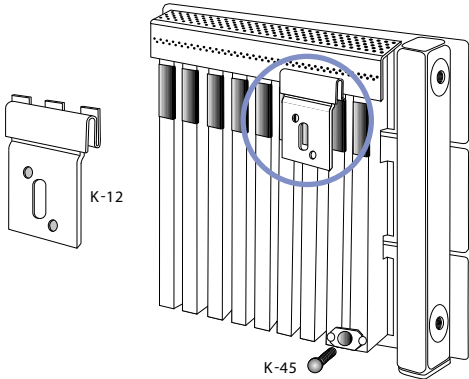
# Installation Tips for Runtal Baseboard / Wall Panels

## Roughing In: The Rough in dimensions are the same for all 5 heights



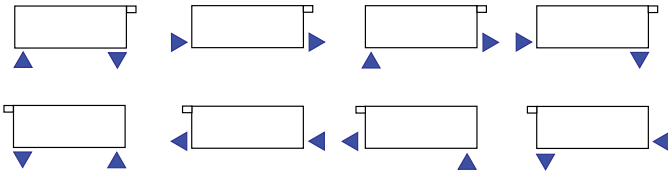
- Tips:
- Always plan to pipe directly into the radiator. "U" shapes should be avoided. Always check your piping scheme in advance to be sure of clearance from joists, etc.

## Mounting: The mounting system is identical on all 5 heights



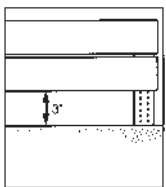
- Tips:
- Use all of the K-12 brackets provided with each radiator.
  - Place 1 bracket 6" in from each end, and equally space the rest.
  - Mount bracket on studs whenever possible (use appropriate method for non-stud mounting).
  - Mount radiators 3" from the floor for optimum efficiency, ease of vacuuming, and proper trim cover fit. However a minimum of 1" between the radiator and finished floor is permissible.
  - Be sure to install leveling bolts (K-45) prior to piping radiator.

## Piping: Each radiator may be piped eight different ways. This should allow for the most efficient and attractive installation



- Tips:
- Piping should be kept to a minimum and should be planned to match the standard trims.
  - Always install the air vent (included) opposite the supply side of the radiator.
  - Be sure to properly seal the flush plugs (included) in the unused fittings (3/8" and 3/16" hex wrenches required).
  - Be sure to leave room for piping inside corners. You will need two to three inches plus working room, minimum.

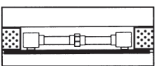
## Trim Covers: There are 2 types of standard trim covers: Vertical Covers and Horizontal Covers. Please refer to Runtal's "Radiator Trim Sheet" for complete information.



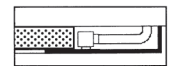
Vertical cover

Vertical covers: These come standard in 3" and 10" heights and are designed to cover straight vertical pipe between the radiator and floor. They can be easily field cut for heights other than 3" and 10".

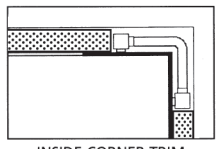
Horizontal Covers: Standard trims simply snap into place. Straight trims (used as end trims & center trims) are 12" long. Inside corners are 12" x 12" and end cap trims are either 6" x 2" (right hand) or 2" x 6" (left hand)



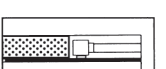
CENTER TRIM



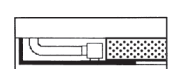
(R) END CAP TRIM 6" x 2"



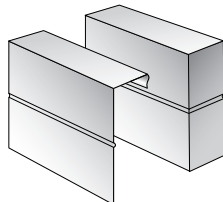
INSIDE CORNER TRIM



END TRIM



(L) END CAP TRIM 2" x 6"



Outside corner trims and other special trims are available by request.

- Tips:
- Horizontal trims require a minimum of 2" overlap on the radiator for proper fit.
  - It may be easier to purchase trims after the radiators are installed, but care should be taken to ensure that all piping has been done with standard trim configurations in mind.
  - If you are unable to use standard trims on an installation, please call for custom trim options.

## Horizontal Covers

## System: Runtal will work well in both high and low temperature closed loop systems.

- Tips:
- Always test the system with air pressure at a maximum pressure of 50 PSI prior to wet testing.
  - Runtal radiators can be used in series with fin-tube, but the fin-tube will perform better if the Runtal is at the end of the loop.
  - Runtal is compatible with cast iron baseboard and cast iron radiators.
  - In series installation: an individual loop should not exceed 30,000 Btu/h or 7 radiators.