

Model Type RS2

Detailed Specifications

General: Provide steel column style radiators of lengths and in locations as indicated, and of capacities, style and having accessories as scheduled. The wall hung heating column radiation shall be of one-piece all-welded steel construction, consisting of vertical flattened water tubes welded to horizontal round headers at the top and bottom. Spacing between the vertical water tubes shall be 2" nominal; and the radiator shall be available in 16", 24", 30", 78", or 84" nominal heights, as scheduled on the plans.

The headers shall include all necessary inlet, outlet and vent connections as required. Standard connection sizes are ½" NPT tapered thread for supply and return piping, and 1/8" for the vent connection. Internal baffling is provided where required for proper water flow.

The radiant heating panels shall be available in lengths from 4" to 20'-0" in two inch even increments without the need for splicing. The panel radiation shall be capable of being mounted to typical stud wall construction without additional blocking or strapping. Appropriate wall mounting brackets shall be provided with the radiation.

The column radiation shall be manufactured in the USA.

ALTERNATE: The RS2 column radiators shall be provided with welded-on pedestal supports for floor mounting. The pedestals shall provide for a 4" clearance beneath the radiator.

Pressure Ratings: Pressure ratings for the radiation shall be as follows:

STANDARD: Working pressure-56 PSI maximum, Test Pressure-74 PSI maximum

OR

MEDIUM: Working pressure-85 PSI maximum, Test Pressure-110 PSI maximum

OR

HIGH: Working pressure-128 PSI maximum, Test Pressure 184 PSI maximum

Column radiation expansion shall not exceed 1/64" per foot of radiation at 215°F. The installer shall provide adequate expansion compensation for each radiator.

Finishes: The column radiation shall be cleaned and phosphatized in preparation for the powder coat finish. The radiation is then finish painted with a gloss powder coat finish, for a total paint thickness of 2-3 mils (0.002" - 0.003"). The color shall be selected from the Runtal's standard colors, or optional colors shall be available at an additional cost.

Warranty:

All Runtal radiators are covered by a 5-Year Limited Warranty.

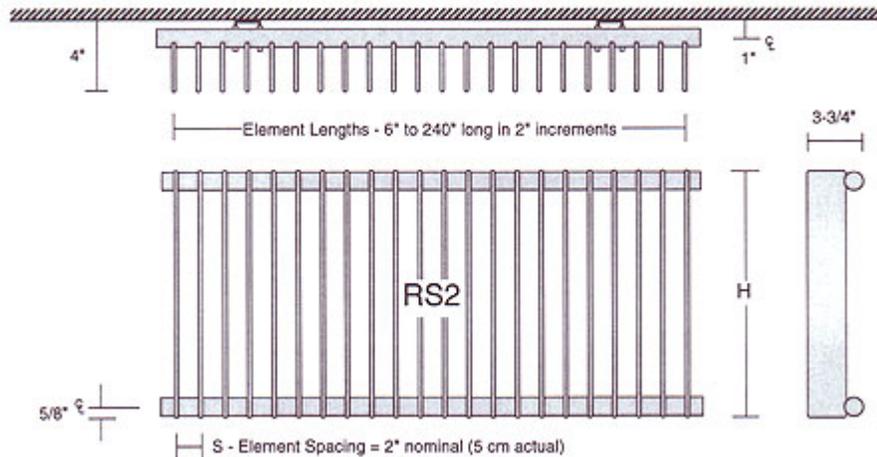
Manufacturer: Subject to compliance with requirements, provide column radiation as manufactured by Runtal North America, Inc.

OPTIONAL ITEMS WHICH MAY BE ADDED TO THE SPECIFICATION:

The radiation manufacturer shall provide combination shutoff valve/union fitting of less than two inches in width for the supply and return to each panel radiator, to be field installed by others.

Runtal-Flex connectors shall be used where appropriate to provide expansion compensation for the radiators.

Model Type RS2 Quick Specifications



Column Radiator Specification

1. Radiators are manufactured of cold rolled low carbon steel, fully welded and consisting of header pipes at each end, connected by flat oval water tubes.
2. The water tube (element) thickness available is:
 - Standard Pressure - 0.048" min wall thickness
3. Radiator header pipes are round 0.072" min wall thickness and include all necessary supply, return, and air vent connections. Internal baffling is provided as required.
4. Standard piping connections are 1/2" NPT taper threaded sockets, located at bottom opposite side positions. Air vent connections are 1/8" NPT taper threaded sockets located on the top return side.
5. The standard working pressure rating is:
 - 56 psi max - (Tested at 74 psi)
6. Radiator expansion does not exceed 0.016 inch per linear foot at 215°F. Expansion compensation as required, to be provided in the piping by others
7. Radiators are cleaned and phosphatized in preparation for the powder coat finish.
8. Radiators are painted with a gloss powder coat finish, for a total paint thickness of 2 to 3 mils (0.002" - 0.003").
9. Color of the finish paint shall be selected from available standard or optional colors prior to ordering
10. Wall mounting brackets are provided with radiator, unless pedestals are specified.
11. Necessary wall support blocking for proper radiator mounting shall be by others.
12. Radiators are manufactured in the USA to the sizes, capacities, and quantities as shown on the plans and schedules.