

# Model PRC

## PANEL RADIATOR SPECIFICATIONS

### Specifications

Provide steel panel radiator elements of lengths and in locations as indicated, and of capacities, style, and having accessories as scheduled. The ceiling hung heating panel radiation shall be of one-piece all-welded steel construction, consisting of flattened water tubes welded to headers at each end. The radiator may include optional integral heavy gauge all-welded perforated side grilles when specified.

All radiator header pipes are square 0.109" minimum wall thickness. 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. Internal baffling is provided where required for proper water flow. Option 19, ¾" NPT connections are available at an additional cost, when specified.

The radiant heating panels shall be available in lengths from 2'-0" to 20'-0" in two inch even increments without the need for splicing. Required ceiling mounting hardware (typically threaded rod) is to be provided by the installing contractor. Panel radiation expansion shall not exceed 1/64" per foot of radiation at 215°F. The installer shall provide adequate expansion compensation for each radiator.

The panel radiation shall be manufactured in the USA.

### Pressure Ratings:

Pressure ratings for the radiation shall be as follows:

LOW (Standard)- .048" minimum wall thickness. Working pressure 56-PSI maximum, Test Pressure-74 PSI maximum

*OR*

MEDIUM (Optional)- .058" minimum wall thickness. Working pressure 85-PSI maximum, Test Pressure-110 PSI maximum

*OR*

HIGH (Optional)- .078" minimum wall thickness. Working pressure 128-PSI maximum, Test Pressure 184 PSI maximum

### Finishes:

The panel 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 Sterling's standard commercial colors. Optional custom colors shall be available at and additional cost.

### Warranty:

A 5-Year Limited Warranty covers all Sterling panel radiators.

### Options:

Optional integral heavy gauge all-welded perforated side grilles are available at an additional cost, when specified.

Option 19, ¾" NPT connections are available at an additional cost, when specified.