

Model PR3F

PANEL RADIATOR SPECIFICATIONS

Specifications

Provide steel double panel radiators of the lengths and in locations as indicated, and of capacities, style, and having accessories as scheduled. The double heating panel radiation shall be of one-piece all-welded steel construction, consisting of a pair of flattened water tube panels welded to headers at each end. Continuous strips of steel corrugated fins are to be welded to the inside of each panel. An additional strip of steel corrugated fins will be welded to the rear of the back panel for maximum convective output of the radiator. The fins shall start at no less than 3" from the end of the radiator, and shall have no less than 32 fins per foot. The radiators may include an optional integral heavy gauge all-welded perforated top grille, which will cover the top of all of the finned areas.

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, and 1/8" for the vent connection. 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 16'-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. Optional floor mounting pedestal brackets (for panels up to 4 tubes high) may be provided at an additional cost when specified. 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 an additional cost.

Warranty:

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

Options:

Dual header panel radiators (up to 4 tubes tall) may to be provided with floor-mounted pedestal brackets at an additional cost when specified. Ribbed pipe cover trims (up to 4 tubes high), finished to match the radiators shall be provided at an additional cost when specified.

Optional integral heavy gauge all-welded perforated top grille is available at an additional cost, when specified.