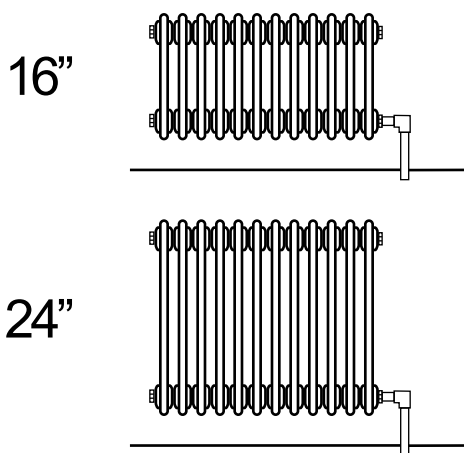


# Steam Radiators - Charleston Pro Series

**The  
stylish  
alternative  
to bulky  
cast iron!**



**Style:** Sleek 4" profile. Available in two heights: 16" and 24" and five lengths: 24", 36", 48", 60", and 72". Over 100 colors available by special order.

**Availability:** Fast shipping on stock radiators in white.

**Quick and Easy Installation:** The Charleston Pro is made for both one pipe and two pipe steam systems. Single piece construction, continuous mounting, individual wrapping and tagging, and uniform fittings (which allow the radiators to be piped six ways) make the Charleston Pro easy to specify and install.

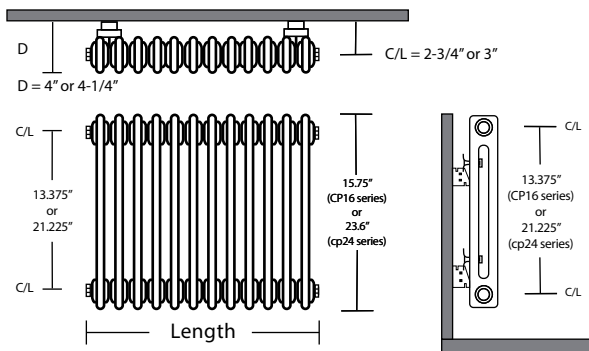
**Durability:** The Charleston Pro's all-welded steel construction ensures a long service life. Proprietary internal construction guards against steam corrosion. All Charleston Pro Radiators have a five-year limited warranty.

## CHARLESTON PRO CAPACITIES

Nominal Length	24"	36"	48"	60"	72"
BTU / H Outputs					
16" HEIGHT	2,990	4,370	5,980	7,590	8,970
20" HEIGHT	4,654	6,820	9,308	11,814	13,962

# STEAM RADIATOR INSTALLATION TIPS

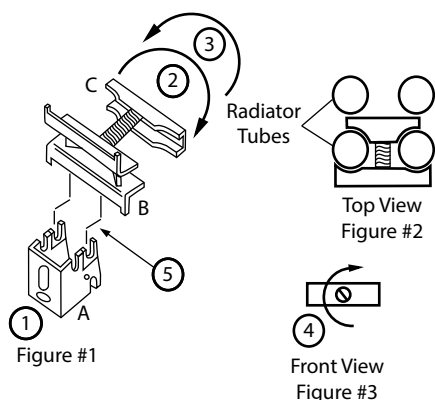
## ROUGHING-IN



Nominal Length	24"	36"	48"	60"	72"
LENGTH (IN.)	25.1"	35.98"	48.66"	61.34"	72.2"
WEIGHT (LBS.)	21lbs	30.3 lbs	40.5 lbs	51.3 lbs	60.5 lbs

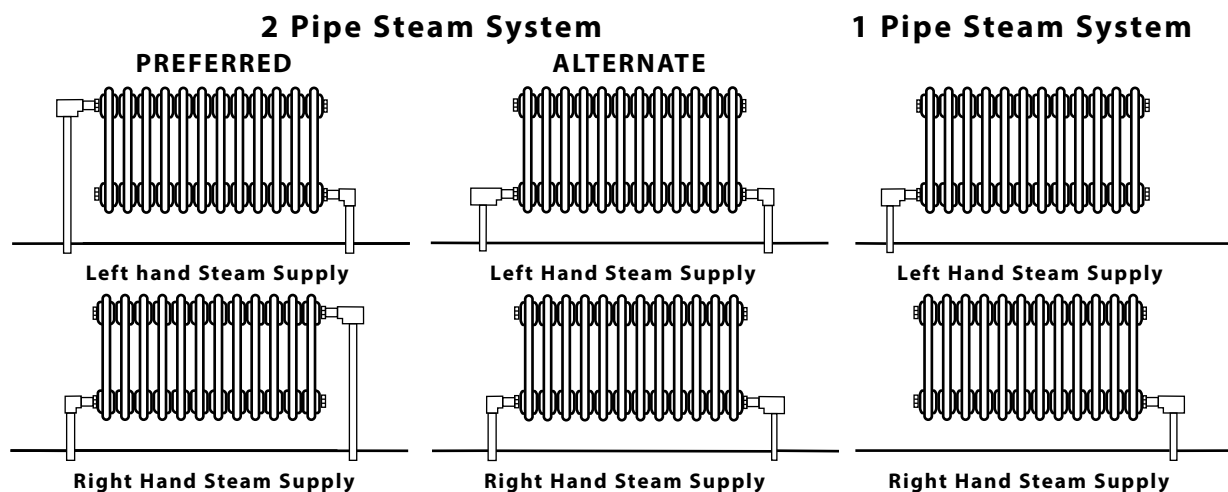
Nominal Length	24"	36"	48"	60"	72"
LENGTH (IN.)	25.1"	35.98"	48.66"	61.34"	72.2"
WEIGHT (LBS.)	29.2 lbs	42.4 lbs	57.8 lbs	73.2 lbs	86.4 lbs

## MOUNTING



1. Lay out the desired position of the radiator on the wall. Determine the locations of solid wall members (wall studs, bracing, etc.). Mark the positions for the wall mounting brackets (A), noting that each bracket should fit in the center of the space between adjacent radiator tubes. Fasten all part A wall brackets securely to the wall using the appropriate mounting fasteners (by others).  
Note: All of the brackets supplied with the radiator should be used, half as top supports and half as bottom supports.
2. Rotate part C at a 90° angle to part B, and insert part C between the two adjacent rear tubes of the radiator so that bracket assembly B-C will line up with its corresponding slot on part A.
3. Rotate part C back 90° in the opposite direction, so that the bracket assembly B-C "captures" the two adjacent rear tubes of the radiator (see Figure #2).
4. Tighten the screw on part C (see Figure #3), so that bracket assembly B-C tightly clamps the radiators rear tubes. Repeat steps 2, 3, and 4 for all remaining bracket assemblies.
5. Mount the radiator to the wall by placing parts B into the mounting slots of part A. Check to make sure that the radiator tilts at least 1/16" per foot towards the condensate return. If necessary, loosen all parts C slightly and adjust the radiator to get the proper tilt.

## PIPING



## GENERAL INSTALLATION TIPS

1. A 1" NPT tapping is included on each corner of the radiator. Two 1" plugs are provided to plug the two unused radiator tapings. Use a 5/8" allen wrench to tighten these plugs. A third plug with a 1/8" vent tapping is also included. Pipe dope should be applied to the plugs.
2. For one pipe steam systems, The installer should supply and install the proper air vent or control valve in the 1/8" vent tapping for one pipe steam systems.
3. For two pipe steam systems, The installer should install the proper size reducing bushing for the steam trap to be used.
4. The mounting brackets must be secured to a load-bearing wall member (like a wall stud or solid backing) capable of handling the radiator's weight.
5. The radiator should be tilted a minimum of 1/16" per foot toward the condensate return.