

Slant/Fin

350SERIES

HIGH-OUTPUT, SLOPE-TOP BASEBOARD



The heat
of commercial
radiation with
the convenience
and economy of baseboard.

350SERIES

HIGH-OUTPUT,
SLOPE-TOP BASEBOARD



Slant/Fin 350 Series -- Ideal for light commercial and industrial hot water or steam heating.

- Compactness and economy of baseboard
- High output and heavy-duty construction
- Two heights for one or two heating element tiers
- Nu-White enamel finish standard
- Interchangeable heating elements
- Fully assembled and factory packaged
- Room control damper optional
- Extra backbone
- Strong front panel resists kicks and dents

350 Series baseboard combines, for the first time, the compactness and economy of baseboard with the high output and heavy-duty construction needed for "in-between" applications. 350 Series makes baseboard practical for industrial and commercial use, as well as garden apartments, multi-story construction and custom residential heating. It is also the perfect supplement for Slant/Fin $\frac{3}{4}$ " baseboard, in "problem areas" of high heat loss or limited wall space. Optional 1" and 1 $\frac{1}{4}$ " copper/aluminum elements permit higher flow rates, longer series-loop runs and lower pump loads where required. With the 1 $\frac{1}{4}$ " all-steel element, 350 Series is perfect for use in one or two pipe steam systems. 350 Series is factory pre-assembled in individual cartons for rapid installations.

Matching snap-on accessories let you speed through virtually any job condition without custom cutting and fitting. Piano hinged accessories permit easy access with flush or recessed installation.

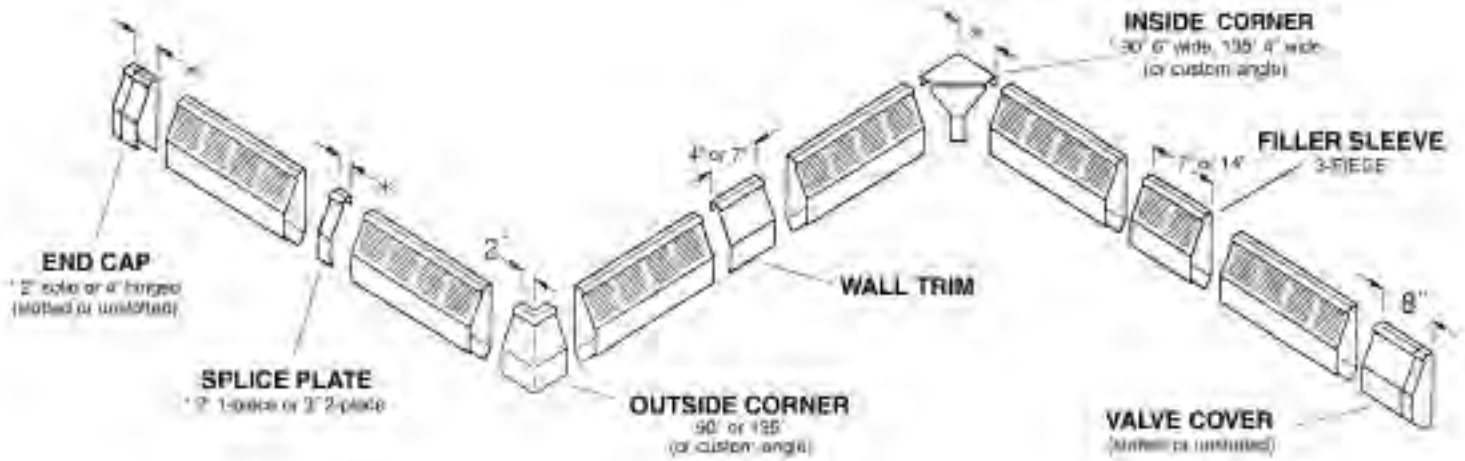
"CAST-IRON" RUGGEDNESS: 350 Series is engineered throughout for maximum strength. Super-strong enclosures. Extra-strength steel brackets. Heavy-duty copper and steel tubing with full mill rated bursting strength. Rock-solid interlocking fin elements are so strong you can stand on them.

"CONTRACTOR-DESIGNED" for fast, economical installation. 350 Series goes straight from carton to wall—without sorting parts, wasting time. Factory pre-cut lengths of 2 to 8 feet combine with snap-on telescoping accessories to make wall-to-wall installations without cutting.

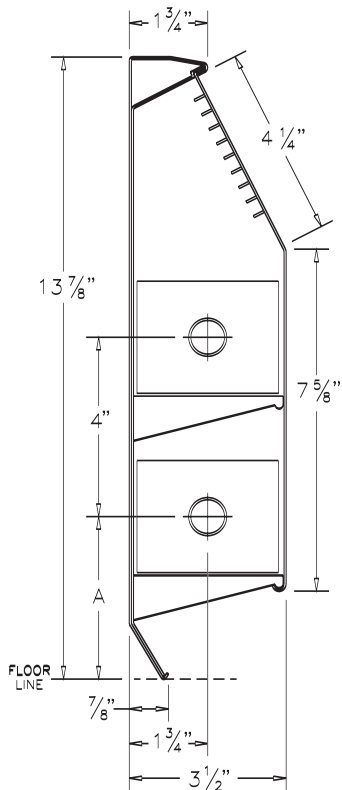
Slant/Fin

ACCESSORIES

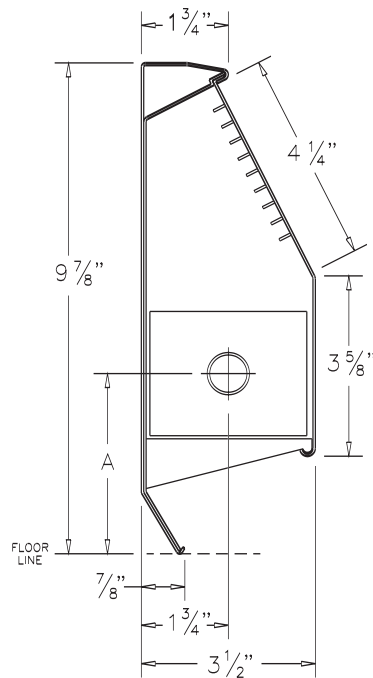
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DIMENSIONS



350-14



350-10

ORDERING DATA

PACKAGING: Complete 350 Series baseboard enclosures are factory assembled and individually packaged. Cover and heating elements are packaged and sold separately. Cover includes brackets and expansion cradles. Cover may be ordered with optional fully modulating damper.

CONSTRUCTION: Back panel, front cover and optional damper fully assembled at factory, ready to fasten to the wall.

DEPTH: $3\frac{1}{2}$ "

HEIGHTS: $9\frac{7}{8}$ " (one tier) and $13\frac{7}{8}$ " (one or two tier)

LENGTHS: 2', 3', $3\frac{1}{2}$ ', 4', 5', 6', 7', 8'

MATERIAL: 19-gauge steel or 16-gauge galvanized steel front cover. 24-gauge back cover. 17-gauge brackets.

ELEMENT SUPPORT: Self-adjusting, polypropylene brackets, allowing quiet expansion.

FINISH: 19-gauge model: Nu-White enamel finish. 16-gauge model: galvanized finish. Custom colors available.

350 SERIES RATINGS

Model Number	Element Type	Rows of Heating Element	Tube Size and Material	Fin Size and Material	Fins Per Foot	Water Flow	Pressure Drop †	Steam 1 PSI Btu/Hr. Per Foot	HOT WATER RATINGS* BTU/HR./FT.							
									150° F	160° F	170° F	180° F	190° F	200° F	210° F	220° F
Single-tier, 9 7/8" Models																
351-10	H-1	1	3/4" copper	3" x 3 3/4" x .024" aluminum	48	1 GPM 4 GPM	47 525	—	570 600	670 700	770 810	870 920	980 1040	1080 1140	1200 1260	1320 1400
353-10	H-3	1	3/4" copper	3 5/8" x 2 1/2" x .011" aluminum	55	1 GPM 4 GPM	47 525	—	520 550	610 650	710 750	800 850	900 960	1000 1060	1100 1170	1220 1290
354-10	H-4	1	1" copper	3 15/32" x 2 1/2" x .011" aluminum	48	1 GPM 4 GPM	13 145	—	520 550	610 650	710 750	800 850	900 960	1000 1060	1100 1170	1220 1290
355-10	H-5X	1	1-1/4" copper	3" x 3 3/4" x .020" aluminum	48	1 GPM 4 GPM	6 63	1160	540 570	640 670	730 780	830 880	940 990	1040 1100	1140 1210	1260 1340
356-10	H-6X	1	1-1/4" IPS steel	3" x 3 3/4" x .028" electro-gal. steel	48	1 GPM 4 GPM	3 41	980	460 490	550 580	630 670	710 750	810 850	890 940	980 1040	1080 1150
Two-tier, 13 7/8" Models																
351-14	H-1	2	3/4" copper	3" x 3 3/4" x .024" aluminum	48	1 GPM 4 GPM	47 525	—	880 970	1040 1150	1290 1420	1440 1590	1590 1750	1740 1920	1890 2080	2030 2250
353-14	H-3	2	3/4" copper	3 5/8" x 2 1/2" x .011" aluminum	55	1 GPM 4 GPM	47 525	—	830 910	980 1080	1210 1340	1350 1490	1490 1650	1630 1800	1770 1960	1910 2110
354-14	H-4	2	1" copper	3 15/32" x 2 1/2" x .011" aluminum	48	1 GPM 4 GPM	13 145	—	830 910	980 1080	1210 1340	1350 1490	1490 1650	1630 1800	1770 1960	1910 2110
355-14	H-5x	2	1-1/2" copper	3" x 3 3/4" x .020" aluminum	48	1 GPM 4 GPM	6 63	2160	850 940	1000 1100	1240 1370	1390 1530	1530 1690	1670 1850	1820 2010	1960 2160
356-14	H-6x	2	1-1/4" IPS steel	3" x 3 3/4" x .028" electro-gal. steel	48	1 GPM 4 GPM	3 41	1870	730 810	860 950	1070 1190	1200 1320	1320 1460	1450 1600	1570 1730	1690 1870

[* Based on 65°F entering air temperature † Millinches per foot.

Note: Ratings are based on active finned length (3" less than overall length), and include 15% heating effect factor.

Use 4 GPM ratings only when flow is known to be equal to or greater than 4 GPM; otherwise 1 GPM ratings must be used.

SPECIFICATIONS

Cover Assembly

Furnish and install 350 Series model baseboard cover assembly as manufactured by Slant/Fin Corp., consisting of one-piece, back and top panel, and one-piece front panel, formed of cold rolled steel. Bottom and top edges of back panel shall be formed to provide channels along entire length, to receive full-height support brackets. Brackets shall be die-formed of electro galvanized cold rolled steel, for rigid bracing and spring locking. Slide-action expansion cradles, formed of polypropylene, shall be inserted between heating element and support bracket. Cradles shall protect element bottom and sides from contact with brackets or cover, confining element to free lateral expansion for noiseless operation. All cover components with a 19-gauge front cover shall be painted in Nu-White thermosetting polyester enamel and all cover components with a 16-gauge front cover shall have a galvanized finish.

Extra-cost Options

Optional damper shall be provided for each length of enclosure, and shall modulate fully and freely, yet retain any setting through its arc. Optional 16-gauge steel with galvanized finish front cover shall be provided with each length of enclosure. Special colors available per architect selection or pub. no. SPC-40.

H-1 Element

Furnish and install H-1 baseboard heating element as manufactured by Slant/Fin Corp. consisting of 3/4" nominal copper tubing, with 3" x 3-1/4" x .024" aluminum fins, spaced 48 per linear

foot. The tubing shall not be weakened by expansion in process of manufacture, but shall be forced through undersized fin holes to obtain a force-fit mechanical bond. A flange with four teeth shall be formed on each fin to increase thermal contact and to space and lock the fins uniformly in place. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

H-3 Element

Furnish and install H-3 baseboard heating element as manufactured by Slant/Fin Corp., consisting of 3/4" nominal copper tubing, with 3-5/32" x 2-1/2" x .011" aluminum fins bent to 2-3/4" x 2-1/2" spaced 55 per linear foot. The tubing shall not be weakened by expansion in process of manufacture, but shall be forced through undersized fin holes to obtain a force-fit mechanical bond. A flange with four teeth shall be formed on each fin to increase thermal contact and to space and lock the fins uniformly in place. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

H-4 Element

Furnish and install H-4 baseboard heating element as manufactured by Slant/Fin Corp., consisting of 1" nominal copper tubing, with 3-15/32" x 2-1/2" x .011" aluminum fins bent to 3" x 2-1/2" spaced 48 per linear foot. The tubing shall not be weakened by expansion in process of manufacture, but shall be forced through undersized fin holes to obtain a force-fit mechanical bond. A flange with four teeth shall be formed on each fin to increase thermal

contact and to space and lock the fins uniformly in place. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

H-5X Element

Furnish and install H-5X baseboard heating element as manufactured by Slant/Fin Corp., consisting of 1-1/4" nominal copper tubing, with 3" x 3-1/4" x .020" aluminum fins spaced 48 per linear foot. The tubing shall not be weakened by expansion in process of manufacture, but shall be forced through undersized fin holes to obtain a force-fit mechanical bond. A flange with four teeth shall be formed on each fin to increase thermal contact and to space and lock the fins uniformly in place. One end of each element tube shall be expanded to receive the unexpanded end of another, without couplings.

H-6X Element

Furnish and install H-6X baseboard heating element as manufactured by Slant/Fin Corp., consisting of 1-1/4" IPS steel pipe (Schedule 40), with 3" x 3-1/4" x 0.028" steel fins, spaced 48 per linear foot. The pipe shall not be weakened by expansion in process of manufacture, but shall be forced through undersized fin holes to obtain a force-fit mechanical bond. A flange with four teeth shall be formed on each fin to increase thermal contact and to space and lock the fins uniformly in place. Both ends of each element pipe shall be expanded to be threaded with IPS standard threads.

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