HEATINGEDGE™
BY SMITH'S ENVIRONMENTAL PRODUCTS

HE3 Silent Fin™
by Smith's Environmental Products

Superior Performance High Efficiency Baseboard Radiation

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The appeal of Silent Fin Heating Edge from Smith's Environmental is reflected in the stylish and rugged exterior, ideally suited for both residential and commercial applications. Unlike conventional baseboard, the one piece finished cover can be quickly removed for cleaning or redecorating. Color customization has never been easier as the cover can be painted in the color of your choice in the location of your choice. The higher output performance characteristics mean that less wall space is taken up by heat emitters. Silent Fin Heating Edge offers the ultimate in comfort, style and efficiency!

SPECIFICATIONS

	Entering Water Temperature (BTU/hr/ft @EWT in °F)												
	90 °F	100 °F	110 °F	120 °F	130 °F	140 °F	150 °F	160 °F	170 °F	180 °F	190 °F	200 °F	210 °F
	32 °C	38 °C	43 °C	49 °C	54 °C	60 °C	66 °C	71 °C	77 °C	82 °C	88 °C	93 °C	99 °C
1USGPM	117*	189	261*	342	423*	500	576*	686	795*	888	980*	1080	1179*
2USGPM	141*	201	262*	362	463*	560	657*	750	843*	928	1012*	1110	1208*
4USGPM	143*	220	296*	382	468*	566	665*	791	917*	1020	1123*	1230	1337*

BSRIA

* Where marked (*) Heating Edge HE3 Silent Fin output is based on performance tests undertaken by BSRIA. The test data can be verified on the BSRIA website (report 58930/1). This includes calibration information.

The catalog data above is presented in accordance with the American IBR protocol for baseboard heating. This allows a 15% heating effect factor to be applied to the test values.

ACCESSORIES

HE3-IC90W
90° Inside Corner

HE3-OC90W
90° Outside Corner

HE3-SW
Splicer
2", 3", 4", 6"

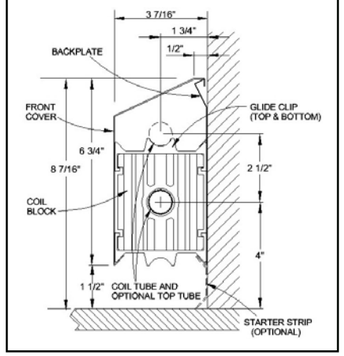
HE3-OC135W
135° Outside Corner

HE3-EC12W
12" End Cap
(left or right)

HE3-EC6W
6" End Cap
(left or right)

HE3-IC135W
135° Inside Corner

DIMENSIONS



PRODUCTS

HE3 has a perforated cover making it childprood and aesthetically pleasing.

Available lengths: 2', 3', 4', 5', 6', 7', 8'

HE3-TK trim kit includes the cover, backplate and starter strip.

Available lengths: 2', 3', 4', 5', 6', 7', 8'

Smith's
ENVIRONMENTAL PRODUCTS
300 Pond St., Randolph, MA 02368 | (781) 986-2525 | Fax (781) 986-8934 | www.smithsenvironmental.com

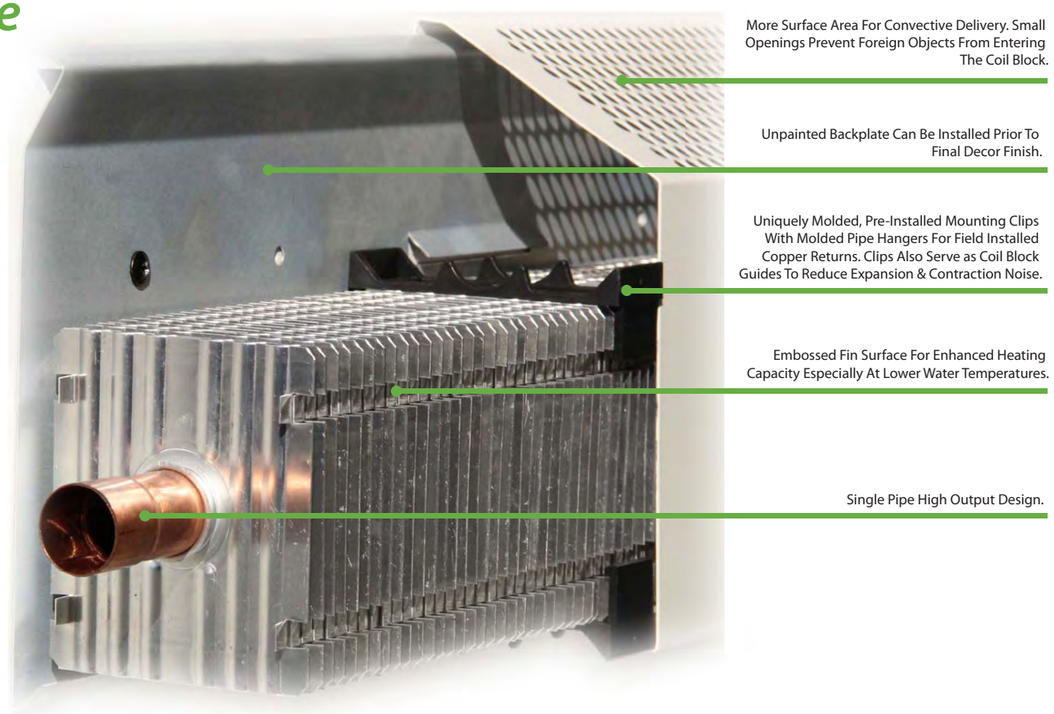
Quiet Delivery Of Heat

Energy Efficient Design

Luxury Performance Low Temperature Heating Emitter

Attractive Design Suitable for Residential or Commercial

Silent Fin Heating Edge delivers high performance in style, and at low temperature ranges



Superior Performance

Silent Fin Heating Edge from Smith's Environmental is the perfect complement to today's high efficiency heating equipment. Ideal for both residential and commercial applications, Silent Fin is designed to provide maximum output at lower temperatures. Utilizing features to enhance the benefits of hydronic heat, Silent Fin is a quieter and cleaner alternative to conventional high temperature emitters. Combining an attractive exterior with rugged construction, Silent Fin can withstand the rigors of high traffic locations. Whether used to enhance the performance of high efficiency heat generators or as a superior replacement for traditional high temperature emitters, Silent Fin's exceptional performance characteristics make it the ideal choice.

Designed for Excellence

Silent Fin Heating Edge from Smith's Environmental incorporates an efficient design with attractive, robust construction. The coil block is made up of a single ¾" copper tube encased in aluminum fins featuring exclusive embossed channels designed to promote turbulent air flow thereby maximizing their heat transfer capabilities. Incorporating a Tabbed 5-Point Space Design to ensure continued performance, the aluminum fins help to create "Best-in-Class" performance outputs at both high and low temperatures. The attractive cover, made from 20 gauge rolled steel, features a perforated grille providing maximum free space thereby permitting maximum convective flow of heated air. This ingenious design also enhances safety by reducing the likelihood of human contact with the heated coil block.

Quiet Heat

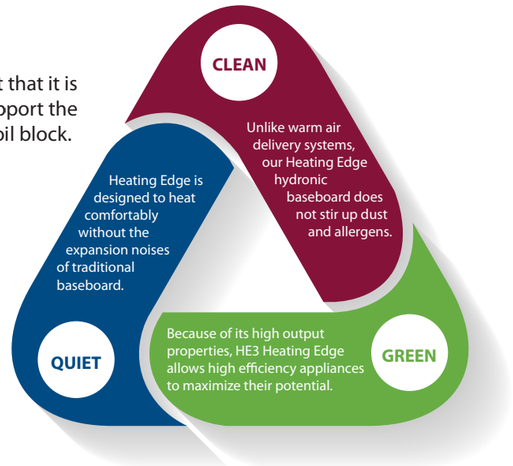
Silent Fin Heating Edge from Smith's Environmental is designed to deliver comfort - less the expansion noises normally associated with copper fin-tube baseboard style heaters. Strategically placed thermoplastic "Silent Clips" ensure that the directional forces resulting from material expansion and contraction are absorbed structurally rather than transmitted through the framework.

The "Silent Clip"

Incorporates a return pipe cradle designed to support a return pipe in the event that it is needed. The unique bevel design means that the "Silent Clip" can be used to support the cover while at the same time facilitating quick installation and removal of the coil block.

More Heat…Less Space

Providing over fifty percent more heat output than conventional baseboard, Silent Fin Heating Edge from Smith's Environmental offers a low profile design that is less obtrusive than low temperature alternatives. The unique three piece design means that there are no moving parts and consequently, fewer parts to become dislodged. Valuable wall space that might otherwise be given over to baseboard is now freed up. A complete line of installation accessories ensure that the attractive finished appearance remains consistent throughout.



Installation and Service

The unique design Silent Fin Heating Edge from Smith's Environmental ensures that installation is as easy as 1, 2, 3! Designed for ease of installation, the coil block includes preinstalled "glide clips" which have the effect of reducing the noises usually associated with baseboard heaters. The clips also include a molded cradle designed to accommodate return piping in areas where this is required. With an attractive durable finish, the cover is easily removed for cleaning and redecorating. The back plate, predrilled 16" on center for convenience, is not part of finished look thereby permitting room decorative surfaces to be completed without damage to the finished product.

Heating Edge gives homeowners the performance and reliability they demand

Condensing boilers, Ground Source Heat Pumps and Solar Thermal Collectors are all great ways to save energy and reduce fossil fuel usage. All three achieve their highest efficiencies when delivering low temperature water but generally have higher upfront costs than their less efficient counterparts. While each technology has inherent features and benefits, each is also judged on its ability to provide a return on investment. Whether for commercial or residential use, it is imperative that careful attention be paid to the application of the equipment and the distribution system being utilized by these technologies.

The challenge faced when it comes to heating effectively with traditional baseboard is that supply water temperatures need to be at least 140˚F in order to deliver enough BTUH's to sufficiently heat a space at design temperature. Not so with Heating Edge's HE3 High Capacity Coil Block. Due to HE3's unique embossed fin design, it is able to deliver comparable BTUH's using 100˚ - 120˚F supply water, all in an attractive package. HE3 allows these technologies to perform to their optimum efficiencies and provide their respective returns on the initial investment. In other words, Heating Edge helps to make that ROI possible.

Heating Edge is perfect for use with the following low temperature heat generators:

GEOTHERMAL *CONDENSING BOILERS* *SOLAR THERMAL*