

# Hydronic Draft Barrier HSB Series



### Model Code:

HSB	F	2
A	B	C

A: Series  
 B: F- Front intake  
    T- Bottom intake  
    ST- Slope top, bottom intake  
 C: Length



- Bottom intake, top discharge HSBT
- Front intake, top discharge HSBF
- Slope top, bottom intake HSBST (12GA)
- 14GA extruded aluminum front & back
- Snap fit 2 piece construction
- Valve compartments are 6" or 12"
- 3/4" copper tubes available
- 400 to 1000 BTUH ratings (per foot)
- HSB is 3"W x 5"H, HSBST is 3"W x 6"H
- 1/4" pencil proof discharge grill
- Multiple sections on one common back up to 14ft
- 1-year limited warranty

## The HSB Series Hot Water Draft Barrier

**MODEL HSB residential/commercial hydronic baseboards** offers superior performance, beauty and versatility that is combined with strength and durability. Softline baseboard provides a gentle curtain of warmth along cold outside walls. No drafts and no cold spots. It is ideal for residential, apartment and commercial applications. Painting after installation does not affect the operation. The heavy gauge back plate design assures perfect alignment of the enclosure, and holds the front panel firmly in place. The unique patented heating element for models HSB are available in 3/4" copper tube sizes. HSB baseboard is available completely factory assembled, in coded cartons, in lengths of 2 through 10 feet. Model HSB is available in seven standard colors. Anodized finishes are also available.

### Ordering Information

FRONT INTAKE		BOTTOM INTAKE		SLOPE TOP		LENGTH
MODEL	UPC	MODEL	UPC	MODEL	UPC	
HSBF-2	32499	HSBT-2	32536	HSBST-2	32566	2'
HSBF-3	32500	HSBT-3	32537	HSBST-3	32567	3'
HSBF-4	32501	HSBT-4	32538	HSBST-4	32568	4'
HSBF-5	32502	HSBT-5	32539	HSBST-5	32569	5'
HSBF-6	32503	HSBT-6	32540	HSBST-6	32570	6'
HSBF-7	32504	HSBT-7	32541	HSBST-7	32571	7'
HSBF-8	32505	HSBT-8	32542	HSBST-8	32572	8'
HSBF-9	32506	HSBT-9	32543	HSBST-9	32573	9'
HSBF-10	32507	HSBT-10	32544	HSBST-10	32574	10'

Louvers on blank sections not punched unless otherwise spec.

Add suffix -pd to catalog number for pedestal style heater. Pedestals can be field mounted.

All valve compartments are 6" or 12" long. Price is the same for 6" or 12". Dimensions shown on inside and outside corners are wall dimensions.

Anodize finishes available, consult factory. Finished backs are available.

Units are furnished with factory installed element support.

## Engineering Specifications

*HSB Draft Barriers shall be 5" or 6" high and 3" wide. The front cover shall be 14 gauge (12GA, HSBST) aluminum construction suitable for architectural, commercial and industrial use with optional 1/4" pencil proof top and discharge. The one piece cover shall be extruded aluminum for maximum strength and shall be available in lengths to 14". The front cover shall snap fit to the back cover with no screw heads or assembly fasteners. The back cover shall be suitable for mullion to mullion mounting. Standard painted finishes shall be provided.*

**Element:** Heat sections from 2' to 10' are available. Furnish and install model HEMB or HSLT type heating element. The element shall be manufactured with 3/4" nominal copper tubing with .010" thick aluminum fins, having full collars for uniform spacing and optimum thermal contact. Fins shall be mechanically bonded to the copper tube. One end of each element shall be expanded to accept the unexpanded end of another tube without couplings.

**Element mount bracket:** Element bracket is constructed of 16 gauge galvanized steel and are mounted to the backplate for noiseless expansion of element. Designed for easy installation into pre-punched mounting holes. Elements are supplied with nylon brackets for noiseless expansion.

**Installation features:** Model HSB construction allows simple, snap-fit installation. The back plate which houses the heating element assembly is simply attached to the wall surface at the desired height and the front cover enclosure is then snapped into place.

**Pedestal features:** Model HSBT-PD, HSBF-PD, HSBST-PD shall have 2" adjustable pedestals and the heater back will be painted to match the front cover, when requested (for an added charge). .1" of adjustment is available on the cast iron pedestal.

**Pedestal quantities:** 2 on 1', 2', 3', 4', 5', 6' / 3 on 7', 8', 9', 10'

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## Accessories

FRONT INTAKE		BOTTOM INTAKE		DESCRIPTION	LENGTH
MODEL	UPC	MODEL	UPC		
HSBF-IC	32508	HSBT-IC	32545	INSIDE CORNER	6"
HSBF-OC	32509	HSBT-OC	32546	OUTSIDE CORNER	6"
HSBF-SP	32511	HSBT-SP	32548	SPLICE PLATE	2"
HSBF-WT	32512	HSBT-WT	32549	WALL TRIM	4"
HSBF-VC	32513	HSBT-VC	32550	VALVE COMPARTMENT	12"
HSBF-EC	32510	HSBT-EC	32547	END CAP (SPECIFY RT OR LT)	
HSB-MESH	32514			1/4" WIREMESH UNDER DISCHARGE GRILL	
HSB-PD*	32515			PEDESTALS	

\* When adding pedestals, the heater back can be painted to match the front cover when requested (additional charge applies).

## Elements (Sold Separately)

MODEL	UPC	DESCRIPTION	LENGTH
HSLT-3/4"	32534	3/4" COPPER TUBE FINNED ELEMENT	2'-10'

## BTU HSBF / HSBT OUTPUT CHART

MODEL	FLOW RATE	WATER TEMPERATURE							
		170°F BTU/FT	180°F BTU/FT	190°F BTU/FT	200°F BTU	210°F BTU	220°F BTU	230°F BTU	240°F BTU
3/4"	4 GPM	540	600	680	734	790	870	940	1010
	1 GPM	510	570	640	690	750	820	890	960

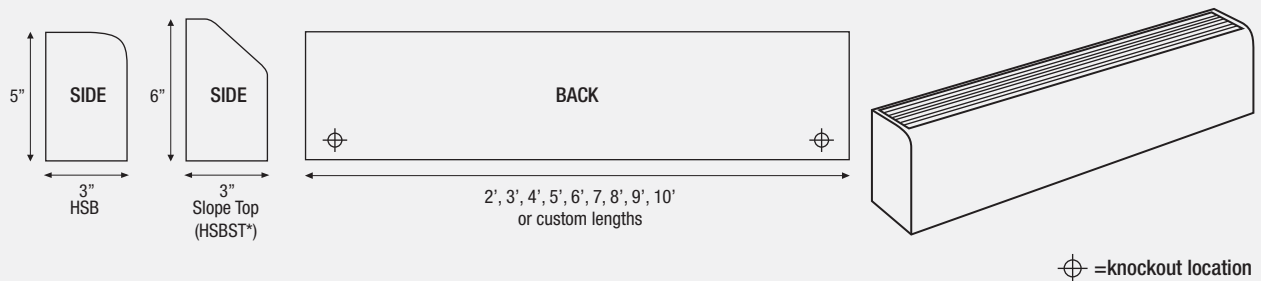
\*Multiply BTU x length of heated area for total BTU output.

## BTU HSBST OUTPUT CHART

MODEL	FLOW RATE	WATER TEMPERATURE							
		170°F BTU/FT	180°F BTU/FT	190°F BTU/FT	200°F BTU	210°F BTU	220°F BTU	230°F BTU	240°F BTU
3/4"	4 GPM	620	710	800	890	970	1070	1150	1250
	1 GPM	580	670	760	840	920	1010	1090	1180

\*Multiply BTU x length of heated area for total BTU output.

## Dimensional Data



Smooth back available when pedestal mounted and back can be seen.

\*Approved for residential use

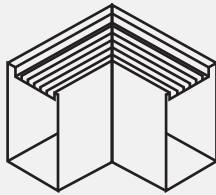
## Side View



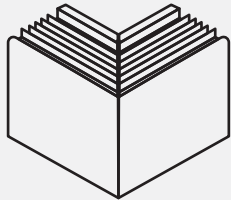
Note: Optional Painted Back: The heater back can be painted to match the front cover when requested (additional charge applies).

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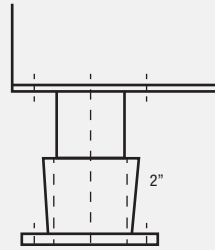
## Corners, Fillers, Blank Sections & End Caps



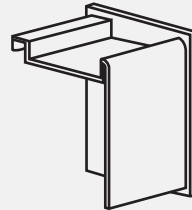
Inside Corner



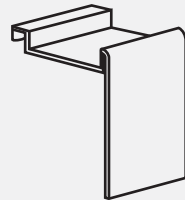
Outside Corner



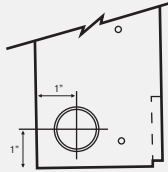
Cast Pedestal



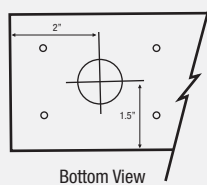
End Cap



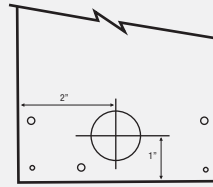
Splice Plate



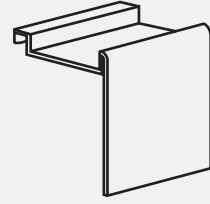
Side View  
Pedestal Unit Only



Bottom View  
Pedestal Unit Only



Back View  
Pedestal Unit Only



Wall Trim