

# Draft Barriers SB Series



## Model Code:

SB	F	-ST	2	24	03
A	B	C	D	E	F

**A:** Series  
**B:** Optional front intake  
**C:** -ST (Slope Top)  
**D:** Length  
**E:** Volts: 12=120V 20=208V  
           24=240V 27=277V  
**F:** Watts (200 - 2500)



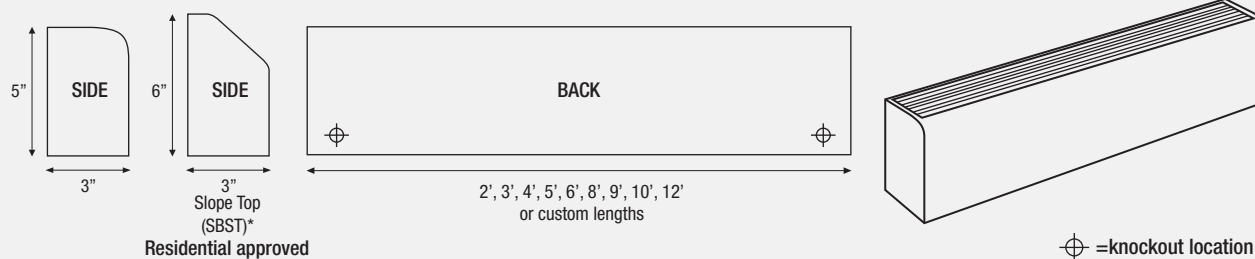
- Full length thermal limit switch
- 14 gauge front and back
- Two piece all aluminum
- Convection heat
- Silent running
- Extended backs and fronts available
- 4" junction-boxes at each end
- ¾" EMT raceway standard
- 3" D x 5" H cabinet size
- Available in gray, almond, bronze, white, & black
- Multiple heater sections on common back
- Custom cabinet lengths, 2-12 feet in 1/16" increments
- SBST approved for residential use
- ½" and ¾" knockouts
- 1-year limited warranty

## The SB Series Draft Barrier

**Convection heat becomes an architectural finishing touch** in the sleek appearance and continuous look of this heater.

An anodized aluminum finish is available (purchasing requirements may apply) with standard colors including white, gray, black, tan and bronze. Controls can be mounted conveniently in either end of the heater. Feed-through wiring is provided by a built-in wire-way running the entire length of the heater. End caps are required on standalone installation. Residential version requires a slope top. If you need a heater suitable for architectural, commercial and/or industrial use, this is it.

### Dimensional Data



Smooth back available when pedestal mounted and back can be seen.  
 \*Approved for residential use

## Engineering Specifications

- Model SB Architectural Draft Barriers shall be 5" H and 3" D. The front cover shall be 14 gauge extruded aluminum construction suitable for architectural, commercial and industrial use with ¼" pencil-proof intake and discharge grilles. The one-piece cover shall be extruded for maximum strength and shall be available in lengths up to 12 feet.
- The cover shall be linear mount to the 14 gauge heater back with no visible fasteners. The 14 gauge heater back shall be suitable for mullion-to-mullion mounting.
- Standard painted finishes or optional anodizing shall be provided as specified by the architect. Color matching to architect's specifications are available as optional finishes.
- Heat sections from 2 - 10 feet are available. All heaters shall contain ¾" EMT built-in raceway with factory wiring to provide field wiring from either end when optional controls are not included.
- ½" and ¾" knockouts shall be provided in the side and rear of the heater junction-box to permit end-to-end wiring.
- All blank sections shall be fully enclosed to allow branch circuit wiring. All heaters shall contain a full length thermal overload protector with automatic reset. Wattages shall be available from 100 to 250 Watts per foot. Heating elements shall be tubular stainless steel or aluminum tubing with aluminum fins mechanically bonded to ensure efficient heat transfer.
- Element fin temperature shall not exceed 350°F to ensure long element life. Elements shall be center anchored and free-floating in nylon bushings at each end.
- Control sections are 6" or 12" for pneumatic relay, transformer relay, fused disconnect or duplex receptacle. Optional built-in heater controls shall include thermostats (single and double pole) and disconnect switches.
- Built-in controls shall be tamper-proof and shall be adjustable with a blade screwdriver through the discharge louver.
- All heaters are Underwriters Laboratories listed
- Tested under UL **Safety Standard UL#1042**

# Draft Barriers SB Series

## Ordering Information

\*Also available in 120V, 208V, and 277 Volts. Available in 100 to 250 W/ft. Consult factory for model#

STANDARD MODEL	UPC	FRONT INTAKE MODEL	UPC	VOLTS*	WATTS	LENGTH	NOMINAL WATTS / FT.
SB22404	14428	SBF22404	14464	240	400	2'	200
SB22405	14430	SBF22405	14466	240	500	2'	250
SB32406	14432	SBF32406	14468	240	600	3'	200
SB32407	14434	SBF32407	14470	240	750	3'	250
SB42408	14436	SBF42408	14472	240	800	4'	200
SB42410	14438	SBF42410	14474	240	1000	4'	250
SB52410	14440	SBF52410	14476	240	1000	5'	200
SB52412	14442	SBF52412	14478	240	1250	5'	250
SB62412	14444	SBF62412	14480	240	1200	6'	200
SB62415	14446	SBF62415	14482	240	1500	6'	250
SB72414	14448	SBF72414	14484	240	1400	7'	200
SB72417	14450	SBF72417	14486	240	1750	7'	250
SB82416	14452	SBF82416	14488	240	1600	8'	200
SB82420	14454	SBF82420	14490	240	2000	8'	250
SB92420	14456	SBF92420	14492	240	2000	9'	200
SB92422	14458	SBF92422	14494	240	2250	9'	250
SB102420	14460	SBF102420	11496	240	2000	10'	200
SB102425	14462	SBF102425	14498	240	2500	10'	250

## Accessories

MODEL	DESCRIPTION
SB-100BS	1FT. Blank Section
SB-200BS	2FT. Blank Section
SB-300BS	3FT. Blank Section
SB-400BS	4FT. Blank Section
SB-500BS	5FT. Blank Section
SB-600BS	6FT. Blank Section
SB-700BS	7FT. Blank Section
SB-800BS	8FT. Blank Section
SB-900BS	9FT. Blank Section
SB1000BS	10FT. Blank Section

## Options

MODEL	DESCRIPTION
SB-IC	Inside Corner
SB-OC	Outside Corner
SB-EC	REQUIRED End Cap (Specify right or left) 1/2"
SB-SP	Splice Plate
SB-WT	Wall Trim
SB-MESH	1/4" Wire mesh under discharge grille
SB-PD-FM	Pedestals (field mounting)

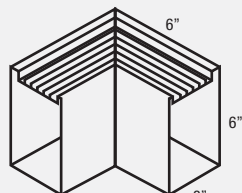
## Control Sections

MODEL	DESCRIPTION
SBCS-TS	Thermostat Section - SPST, 20 Amp, 277 Volts
SBCS-TSDS	Thermostat Disconnect Switch Section, 20 Amp
SBCS-TSR	Thermostat Relay Switch, 20 Amp
SBCS-TSDSR	Thermostat Disconnect Switch, Relay Section, 20 Amp
SBCS-DS	Disconnect Switch, Section, 20 Amp
SBCS-R	Relay Section - SPST, 20 Amp, 277 Volt
SBCS-RDS	Relay, Disconnect Switch Section, 20 Amp
SBCS-TR	Xformer Relay Section - SPST, 25 Amp, 277 V, 24V Control
SBCS-TRDS	Transformer Relay, Disconnect Switch Section, 20 Amp
SBCS-PE	PE Relay, SPST, 20 Amp
SBCS-DS-FUSED	Disconnect Switch, with 20 Amp fuse and fuse block

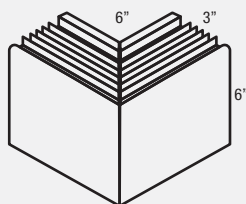
## Integral Controls

MODEL	DESCRIPTION
ITS	Integral Stat 25 Amp, SPST-120-277 Volts - STD-LF or RT
ITD	Integral Stat 20 Amp, DPST-208-240 Volts - STD-LF or RT
IDS	Integral Disconnect Switch 20 Amp, 120-277 V - STD-RT side

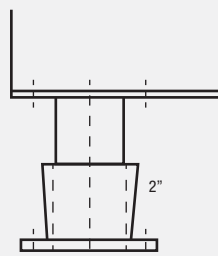
## Corners, Fillers, Blank Sections & End Caps



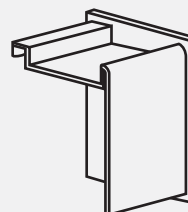
Inside Corner



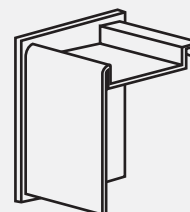
Outside Corner



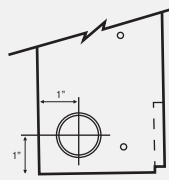
Cast Pedestal



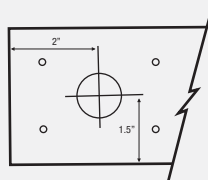
Left End Cap



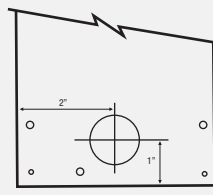
Right End Cap



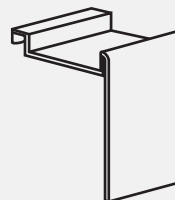
Side View  
Pedestal Unit Only



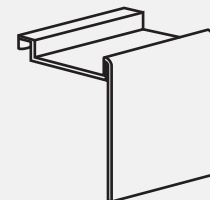
Bottom View  
Pedestal Unit Only



Back View  
Pedestal Unit Only



Splice Plate



Wall Trim