

SFB™ SUPERFLOW BOILER



This product meets a stringent set of our company's internally defined sustainability standards



HIGH EFFICIENCY CONDENSING BOILERS

Excellent value for money, the SFB™ offers an economical solution to all home heating needs. A compact, reliable, high efficiency boiler that features a unique aluminum heat exchange with copper waterways.



SIMPLE

- Copper waterways embedded in a cast aluminum block
- A total of 4 moving parts - Unparalleled in the industry
- Illuminated touchscreen control display panel
- Contractor friendly: 2" venting up to 65 ft., and 2" vent adapter, standard pipe size connections, and extended pipe fittings

RELIABLE

- Will accept a 0-10 VDC signal from external control system
- Innovative state of the art electronic control
- Compatible with standard Propylene Glycol

EFFICIENT

- Up to 96% AFUE with full ASME-rated heat exchanger
- Wireless cascade up to 8 units
- Packaged with a high efficiency variable speed pump (ECM) for increased efficiency and redundancy.
- Outdoor reset technology increases efficiency by lowering the water temperature automatically
- Advanced modulating temperature control

THE **SMART CHOICE** FOR
HEAT AND HOT WATER

IBC®

SFB - BOILER

Technical Information

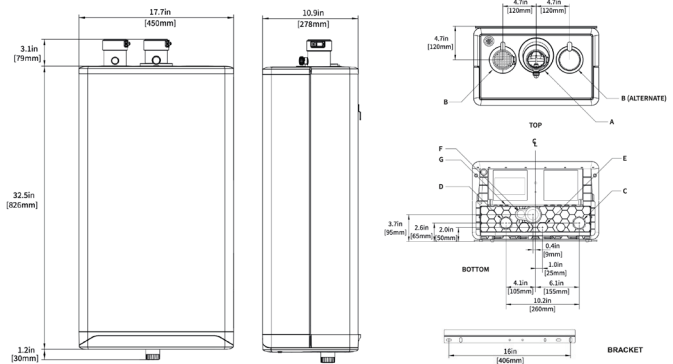


SPECIFICATIONS	SFB 99-1	SFB 120-1
CSA Input (Natural Gas or Propane) - MBH	15.5-99	13.6-120
CSA Input (Natural Gas or Propane) - KW	4.5-29	4-35.2
CSA Output - MBH	14.8-89	13-108
CSA Output - KW	4.3-26.1	3.8-31.7
A.F.U.E.	96%	95%
Min. Gas Pressure (Nat. Gas or Propane) - Inch W.C.	4	4
Max. Gas Pressure (Nat. Gas or Propane) - Inch W.C.	14	14
Power (120Vac/60Hz) - Watts at Full Fire w/ Internal Pump	126	126
Weight (empty) - lbs/Kg	85/39	85/39
Pressure Vessel Water Content - USG/Liters	0.5/1.9	0.5/1.9
Max. Boiler Flow Rate - GPM/LPM	10/37.8	11/41.6
Min. Boiler Flow Rate - GPM/LPM	2/7.6	2/7.6
Max. Operating Pressure - Space Heating Coil - psig	43.5	43.5
Approved Installation Altitude - ASL	10,000	10,000
Ambient Temperature - Low (°F/°C)	32/0	32/0
Ambient Temperature - High (°F/°C)	122/50	122/50
Max. Relative Humidity (Non-Condensing)	90%	90%
Min. Water Temperature (°F/°C)	51/10	51/10
Max. Water Temperature (°F/°C)	194/90	194/90
Max. Equivalent Vent Length 2" (each side)	65' *	65' *
Max. Equivalent Vent Length 3" (each side)	120'	120'

* Approximate input derate of 5-16% at 2" maximum vent



SURFACE	DISTANCE FROM COMBUSTIBLE SURFACES	RECOMMENDED DISTANCE FOR INSTALLATION AND SERVICE
Front	2"	24"
Rear	0"	0"
Left Side	1.5"	6"
Right Side	4"	6"
Top	2"	24"
Bottom	8"	24"



PIPING CONNECTIONS DIMENSIONS

A Exhaust Outlet	2" Schedule 40 PVC
B Combustion Air Inlet	2" Schedule 40 PVC
C Heating Water Inlet (Return)	1" Male NPT
D Heating Water Outlet (Supply)	1" Male NPT
E Gas Inlet	3/4" Male NPT
F Condensate Outlet	3/4" Hose
G Control Wiring Passage	7/16" Rubber Plug

VENTING MAXIMUM EQUIVALENT LENGTH

Schedule 40 PVC, CPVC, or PPs	(each side)
2"	65'
3"	120'
2" or 3" 90° Long Sweep Vent Elbow	Allow 5 equivalent feet
2" or 3" 90° Short Sweep Vent Elbow	Allow 8 equivalent feet
2" or 3" 45° Short Vent Elbow	Allow 3 equivalent feet
PPs	
PPs 87-90° Elbow	Allow 8 equivalent feet
Flex PPs	
2" PPs Flex	Not Allowed
3" PPs Flex	35' Actual (Equivalent = Actual x 1.4)



CO₂ IMPACT SCORE

Choosing this product instead of a minimum efficiency alternative offsets CO₂ emissions equivalent to planting this number of trees over the product's lifetime. The CO₂ Impact Score is internally calculated on a proprietary point system based on a typical product lifetime and does not denote a third party certification/seal. See website for further information.



sales@ibcboiler.com ■ www.ibcboiler.com
Toll Free: 1-844-HEAT IBC / 1-844-432-8422

All information contained in this brochure is subject to change without notice. Due to clerical error, regulation change or product development please confirm all information with IBC.

900-344 (R3) 01.27.23