



# SFT

SUPERFLOW  
TANKLESS



# FLOW

CONDENSING  
TANKLESS WATER HEATER



# IBC

# INNOVATIVE Labyrinth Heat Exchanger Design

The SFT Superflow utilizes our patented, tried-and-tested heat exchanger technology that incorporates a fully integrated copper coil, ensuring maximum heat transfer and minimal heat loss.

The cold water supply flows directly through the heat exchanger, condenses flue gasses fully and extracts as much heat as possible.



# INNOVATION

## Easy Maintenance

1. Bypass Valve
2. Exhaust Fitting
3. Burner Fan
4. Heat Exchanger
5. Rear Flue Duct
6. Gas Valve
7. Touch Pad Control
8. Condensate Trap
9. Air Intake
10. Cover
11. Inlet Gas Line
12. Outlet Gas Tube



## 4 Moving Parts

Fan, Bypass Valve, Gas Valve & Damper

The SFT Superflow contains cutting-edge, solid-state electronics to control its gas valve, fan and ignition. By doing so, we've succeeded in reducing the number of moving parts, made servicing simple and increased reliability.





## CUTTING-EDGE COMFORT

If you'd like to shower with an uninterrupted hot water supply or run hot water from multiple taps at the same time, then the SFT SUPERFLOW is the perfect solution. The SFT is the latest innovation in high-efficiency tankless water heaters. A continuous supply of hot water through copper waterways at a constant temperature. And no tank in sight.

## SIMPLE

Mount > Connect > Plug-in > Enjoy endless hot water

- A total of 4 moving parts - Unparalleled in the industry
- New illuminated touchscreen control display panel
- Built-in bypass valve to prevent temperature fluctuations
- Improved hard water performance
- Easy to install, maintain and service
- Sleek wall mounted space saving design

## RELIABLE

- Proven patented single pass Labyrinth heat exchanger
- Fully integrated copper waterway
- Innovative state-of-the-art electronic control

## EFFICIENT

- Fully condensing one piece heat exchanger
- Low NOX, low emissions
- Up to 5.2 GPM continuous at a 70°F rise
- Advanced temperature control

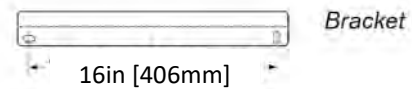
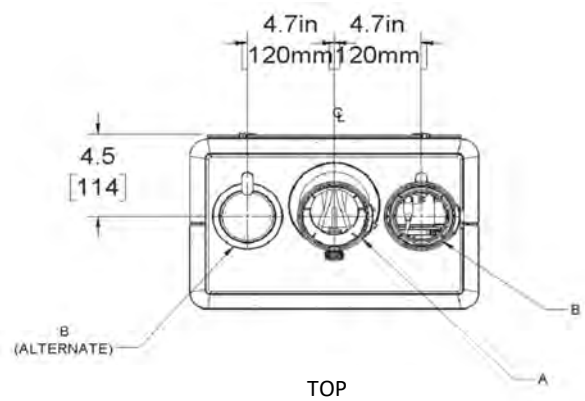
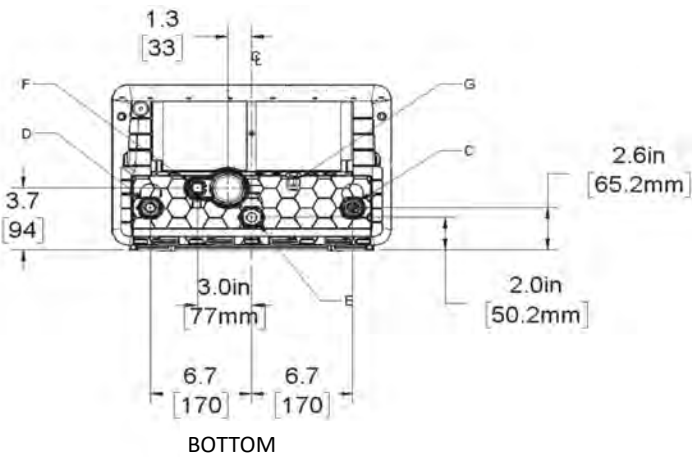
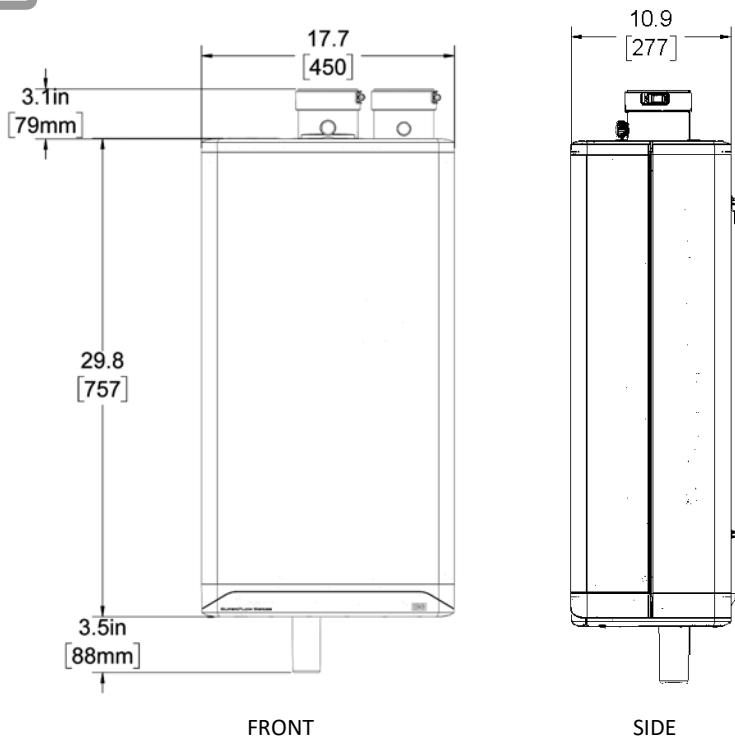


# SFT - TANKLESS

## Dimensions

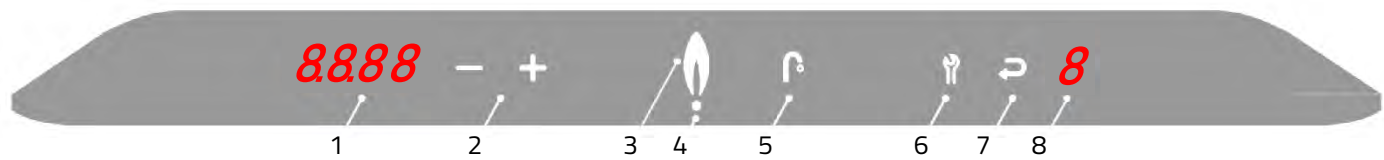
PIPING CONNECTIONS		
A.	Exhaust Outlet	3" Schedule 40
B.	Combustion Air	3" Schedule 40
C.	Cold Domestic Water Connection	3/4" Male NPT
D.	Hot Domestic Water Connection	3/4" Male NPT
E.	Gas Inlet	3/4" Male NPT
F.	Condensate Outlet	3/4" Hose

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"



## Touch Panel Control Indicators

The SFT controller functions as an interactive touch-sensitive panel with buttons that light up, showing indicators such as numbers, icons, or letters. Some of these lit indicators signify boiler operational status. Other indicators enable you to program the boiler.



TOUCH PANEL	FUNCTION	TOUCH PANEL	FUNCTION
1. Numerical display	Main display	5. Tap / Faucet	DHW indicator
2. Plus & Minus	Temperature adjustment	6. Wrench	Service / Reset
3. Flame	Burner ON indicator	7. Return arrow	Enter / Save
4. Dot	Power ON indicator	8. Numerical display	Service display





At IBC we integrate **SUSTAINABLE THINKING** into everything we do. With a dedication to doing our part to protect the environment, we make it easy for customers to live more comfortably, while also living more responsibly.

We are focused on innovating with intent, engineering solutions with lifetime sustainability in mind - from material selection to smart features to responsible recycling. And, our products are designed to meet our customers' needs - lessening their environmental impact by giving them greater control over their energy and water consumption.

We are transforming the industry by introducing ground-breaking, heat and hot water solutions to homes and businesses across North America.



# SFT - TANKLESS

## Technical Information



VENTING	MAXIMUM EQUIVALENT LENGTH
<b>Schedule 40 PVC, CPVC or PPs</b>	(each side)
2"	35'
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' Vent Elbow	Allow 3 equivalent feet
<b>PPs</b>	
PPs 87-90' Elbow	Allow 8 equivalent feet
<b>Flex PPS</b>	
3" PPs Flex	(Max. 35) actual feet times 1.4

SPECIFICATIONS		SFT-199
Heat Capacity (Input)	Natural Gas / Propane	28,500 - 199,00 BTU/H
Efficiency Ratings (NG & LP)	U.E.F	0.89
Flow Rate (DHW)	35°F (19°C) Temp Rise	10.1 GPM (38 L/m)
	45°F (25°C) Temp Rise	7.9 GPM 30 L/m)
	67°F (36°C) Temp Rise	5.3 GPM (20 L/m)
Dimensions - (W/H/D)	17.7 in. x 29.8 in. x 10.9 in (450 mm x 757 mm x 277 mm)	
Weight (empty) – lb/kg		68 / 31
Installation Type	Indoor only wall-hung	
Venting Type		Forced Draft Direct Vent
		Electronic Ignition
Water Pressure		40 - 150 PSI
Natural Gas / Propane Supply Pressure (from source)		5 in WC-14 in WC
Minimum Flow Rate to activate DHW heating - USgpm		0.5
Pressure Vessel water content – USG/Liters		0.19 / 0.72
Ambient Temperature – Low (°F/°C)		32 / 0
Ambient Temperature – High (°F/°C)		122 / 50
Max relative humidity (non-condensing)		90%
Min water Temperature – Domestic Hot Water (°F/°C)		34 / 1
Max water Temperature – Domestic Hot Water (°F/°C)		149/65
Power Supply	Main Supply	120Vac, 60Hz
	Watts @ full fire	100 watts
Materials	Casing	Painted steel and plastic
	Heat Exchangers	Copper tubes in AL block
Venting	Intake & Exhaust	2 or 3 PVC, CPVC, Polypropylene 2 or 3 Special Gas Vent Type BH (Class II, A/B/C)
Vent Clearances		0" to combustibles
Safety Devices	Flame Proving module, Flue Gas Temperature Sensor, Protective fuse	
Certified design		ANSI Z21.10.3 ▪ CSA 4.3
Freeze Protection		Yes

\* Units ship configured for Natural Gas (NG) with a Propane (LP) conversion kit included.



TEMP (°F)	RISE GPM
50	7.2
55	6.6
60	6.0
65	5.6
70	5.2
75	4.8
80	4.5
85	4.3
90	4.0
100	3.6
110	3.3
120	3.0
130	2.8
140	2.6



# IBC

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900-312 (R6)