



# SFT

SUPERFLOW  
TANKLESS



# FLOW

CONDENSING  
TANKLESS WATER HEATER



**IBC INTERGAS®**

# Innovative Labyrinth Heat Exchanger Design



The Superflow SFT 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. Thermostatic Mixing 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, Mixing 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 continual supply of hot water through copper waterways at a constant temperature guaranteed. 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 mixing valve to prevent temperature fluctuations
- Easy to install, maintain and service. Sleek wall mounted space saving design
- Improved hard water performance

## **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

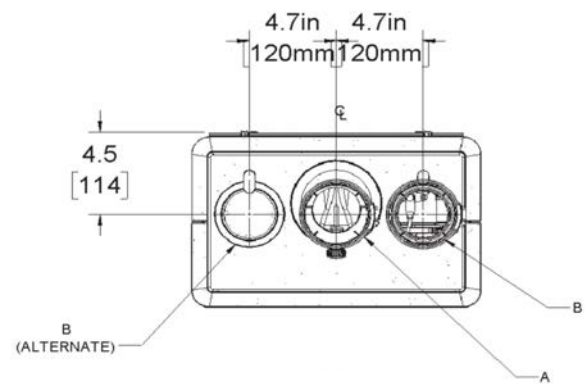
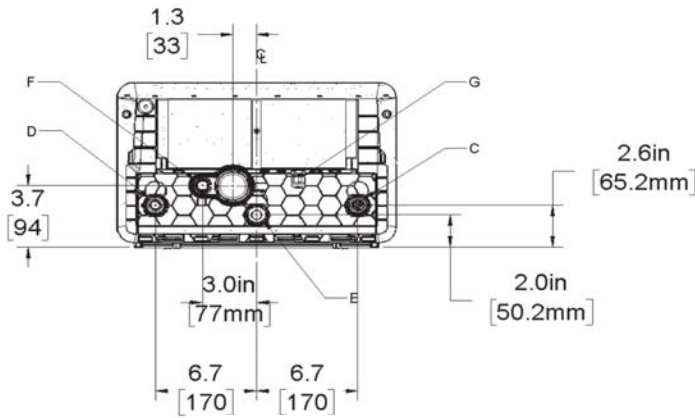
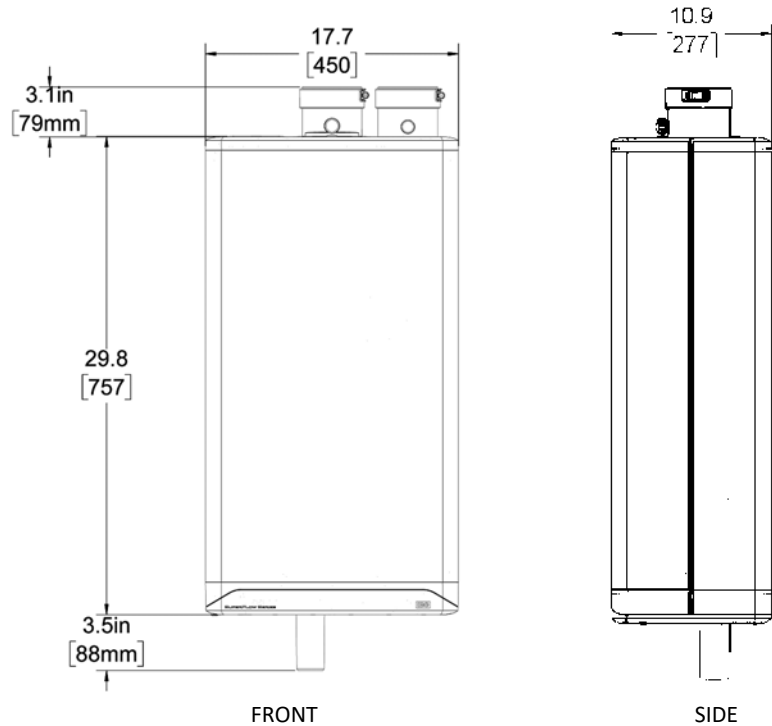
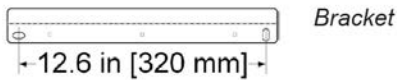


# SFT - TANKLESS

## Dimensions

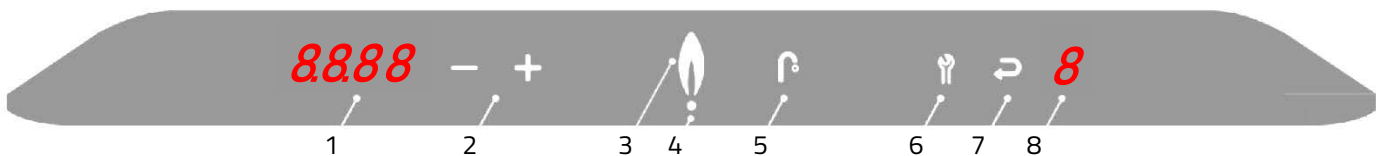
### PIPING CONNECTIONS

<b>A.</b> Exhaust Outlet	3" Schedule 40
<b>B.</b> Combustion Air	3" Schedule 40
<b>C.</b> Cold Domestic Water Connection	3/4" Male NPT
<b>D.</b> Hot Domestic Water Connection	3/4" Male NPT
<b>E.</b> Gas Inlet	1/2" Male NPT
<b>F.</b> Condensate Outlet	3/4" Hose



## 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



# SFT - TANKLESS

## Technical Information



SPECIFICATIONS	SFT-199
DHW - CSA Input (Natural Gas or Propane) - MBH	28.5 - 199
DHW - CSA Input (Natural Gas or Propane) - KW	8.3 - 58.3
U.E.F	.89
Min Gas Pressure (Nat. Gas or Propane) – inch w.c.	5
Max Gas Pressure (Nat. Gas or Propane) – inch w.c.	14
Power (Vac/60Hz)	120
Weight (empty) – lbs/Kg	68 / 31
Pressure Vessel water content – USG/Liters	0.19 / 0.72
Max Operating Pressure – Domestic Hot Water Coil - psig	150
Approved installation altitude	10,000 ft
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
Min flow rate to activate DHW heating - USgpm	0.5
Max flow rate DHW heating - USgpm	7.0
Max equivalent vent length 3" (each side)	120'
Max equivalent vent length 2" (each side)	35'

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

SURFACE	DISTANCE FROM COMBUSTABLE 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"

TEMP (°F)	RISE 199 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 INTERGAS®**

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