

Bosch Greentherm

Efficient Water Heating Solutions

The most efficient models in our Therm line of gas tankless water heaters.
Models: C 1050 ES, C 950 ES



BOSCH
Invented for life



The Bosch Greentherm models are now equipped with an automated and fully modulating bypass for unsurpassed DHW temperature stability. All Greentherm models feature condensing technology for improved efficiency. By capturing the latent heat of the flue gases the efficiency of the water heater is boosted by approximately 10%.



Operating with an energy factor up to 0.95 the Greentherm models economically provide domestic hot water on demand. Our tankless water heaters are wall-mounted to save space and the technology only uses gas to heat the water when there is a demand. The Greentherm's innovative features ensure maximum performance to provide virtually endless hot water.



Features

- ▶ Improved energy factor to 0.95
- ▶ Superior temperature stability achieved with the introduction of an active bypass
- ▶ External condensate drain not required for residential applications without recirculation
- ▶ New venting options! 2" PVC and PP venting options now available
- ▶ Approved for use with 1/2" gas line, making tank retrofit more affordable*

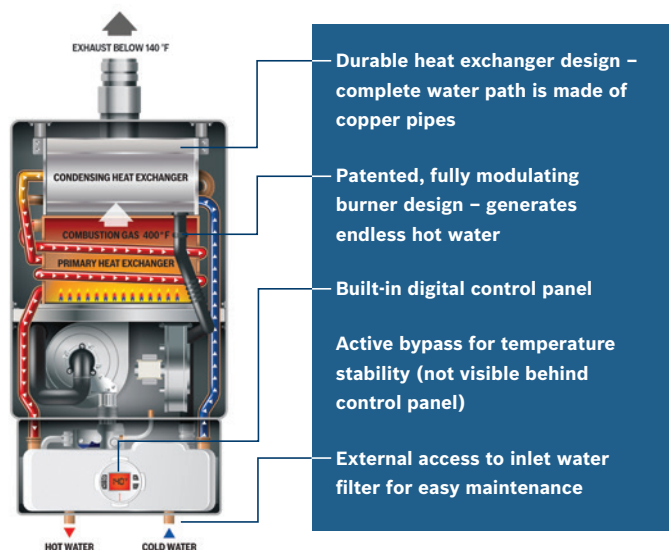
* Consult manual and NFPA 54 ANSI Z223.1 national fuel gas code for requirements



Bosch PRO Sizing App available from Google Play and iTunes store.

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Technical Specifications	C 950 ES	C 1050 ES
Max Input BTU/Hr	175,000	199,000
Min Input	19,900	19,900
Energy Factor	0.95	0.95
Capacity @35°F GPM	9.2	10.5
Capacity @55°F GPM	5.9	6.7
Weight, lbs	74	74
Temperature Range, °F	100-140	
Activation Flow Rate, GPM	0.5	
Intelligent Cascading	Up to 24 units	
Installation Options	Indoor/Outdoor*	
Dimensions, Inches	17 7/8 x 30 1/2 x 11 1/4	
Water Connections	3/4" NPT	
Gas Connections	3/4" NPT	
Water Pressure, psi	30-150	
Min NG Pressure	3.5" WC	
4" Vent Max Run, ft	63	
3" Vent Max Run, ft	31	
2" Vent Max Run, ft	9.5	
Low Nox 2012 Compliant	Yes	
Energy Star	Yes	
Altitude Tested, ft	8000 (3" venting) 4500 (2" venting)	
Warranty [§]	Heat Exchanger 15 Years, Other Parts 5 Years, Labor 1 Year	

*Outdoor installation requires optional outdoor kit

[§]For warranty details, see support section at www.boschheatingandcooling.com

NEW Venting Options

Bosch is Introducing 2 Additional Venting Options for the Greentherm Models

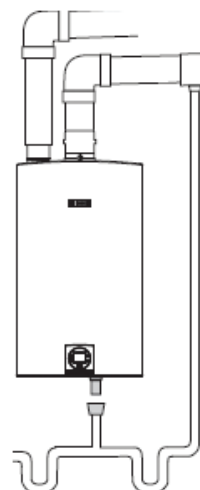
New venting option of 2" allows for more options to vent the Greentherm. 2" venting allows for the flue to use the already existing vent and eliminates the need for drilling new holes in many installations.

Maximum Pipe Length	Maximum Allowable Pipe Length Including Terminations	Elbow Equivalency	
		90°	45°
2" Venting Twin Pipe with 2 Terminations, ft	9.5	5	2.5
Existing 3" Venting Options Have an Equivalent Pipe Length of 63'			

The 2" venting option with the already existing 1/2" gas line option offers the possibility of a perfect quick retrofit of your existing system.

2" Venting Calculation Example

Exhaust Pipe	
Total Length of Straight Pipe, ft	4
1-90 Elbow, ft	5
1-90 Termination, included	
Equivalent Vent Length, ft = 4+5	9
Combustion Pipe	
Total Equivalent Length of Straight Pipe, ft	4
1-90 Elbow, ft	5
1-90 Termination, included	
Equivalent Vent Length, ft = 4+5	9



Sample Twin Pipe Venting Installation

Bosch Thermotechnology Corp.

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