



Changing the Game™



**Gas Tankless...
Simply Perfect!™**

www.AmericanHometec.com



Changing the Game™

About American Hometec

American Hometec, Inc., located in Wilmington, Delaware, designs, manufactures and sells a full line of gas and electric tankless water heaters utilizing breakthrough, patented technologies. Our water saving H2O Saver Technology® (within our gas line) is designed to conserve water by conveniently setting the unit to control water consumption and mitigating hot water overrun. While maintaining an extremely small footprint, our products offer numerous unique advantages for commercial and residential applications.

American Hometec is committed to bringing innovation and best value to the market.



Gas Tankless...Simply Perfect!™





GAS TANKLESS WATER HEATERS WITH H2O SAVER TECHNOLOGY™



Designed to Satisfy

American Hometec's gas tankless water heaters with H2O Saver Technology™ provide hot water only when there is a demand for hot water. Traditional tank water heaters produce standby energy losses by maintaining hot water all day. The end result is a waste of money, water, and energy. American Hometec's electric tankless water heaters deliver a constant supply of hot water. You don't need to wait for a storage tank to fill up.



Designed Green to Save Green

With American Hometec's gas tankless water heaters with H2O Saver Technology™, you will receive up to 50% water energy savings and unlimited hot water. We've designed our units to have more than twice the life span of a traditional tank water heater. And our green technology produces less CO2 and NOX than traditional tank water heaters.



Designed to be Efficient

American Hometec's gas tankless water heaters with H2O Saver Technology™ use natural gas or propane to heat water only when needed. The design of the unit allows it to capture up to 82-85% efficiency of the heat energy, which saves money, energy, and water.

Designed to Add Value – H2O Saver Technology™

With American Hometec's Proprietary H2O Saver Technology™, we've recognized that energy costs have increased at tremendous rates. Your American Hometec's gas tankless water heater is equipped with a digital functionality that allows you to control hot water consumption and conserve water. With the push of a button you can set the hot water amount and the hot water will stop automatically. The unit conveniently warns you with a buzzer that your desired hot water amount has been reached.

Key Attributes of H2O Saver Technology™

- Water Conservation
- Prevents Hot Water Overrun
- Saves Water Heating Energy Cost
- Conveniently Controls Hot Water Usage

Designed to Save Space

American Hometec's tankless gas units do not take any floor space. The compact design affords you flexible installation options, so you can strategically locate the unit for maximum performance and energy efficiency.

Why Choose American Hometec H2O Technology™?				
Feature	Benefit	AMERICAN HOMETEC H2O SAVER TECHNOLOGY™	Tanks	Other Gas Tankless
Tankless Design	Unlimited Supply of Hot Water	✓	✗	✓
	No Stand-by Energy Losses	✓	✗	✓
H2O Saver Technology™	Hot Water Consumption Control	✓	✗	✗
	Prevent Hot Water Overrun	✓	✗	Varies
Installation Cost	Gas Supply Line Upgrade	Not Needed for AHG-T42	✗	All Require Larger Gas Supply Pipe
Temperature Control	User Temperature Setting	✓	✗	Varies
Compact Design	Saves Space	✓	✗	✓
	Easy to Install	✓	✓	Varies
Warranty	Worry Free Product Operation, and Dependable Support	12 Year Limited	6-12 Year	Varies
Freeze Resistance	Built in Anti-Freeze	✓	✗	✗



GAS TANKLESS WATER HEATERS



AHG-T42 (NG & LPG)

Efficiency: Up to 87%
Flow Range at a 45° Rise: 0.6 - 4.2 gpm
Max BTU's: 110,000
Electrical: 120 V
Vent: Direct Vent In 3" / Out 4"
Dual Pipe - PVC/SS
Gas Supply: 1/2" Pipe
Remote Control: Wired Remote Optional
Certification: ETL
Energy Star Qualified
Dimensions: 22.4"H X 13.9"W X 5.8"D

Wholehouse unit for low hot water usage household. With H2O Saver Technology for controlling hot water consumption. Accurate temperature control setting.

(This unit does not have hot water overrun prevention feature.) Overall look of unit may vary.



AHG-T74 (NG & LPG)

Efficiency: Up to 87%
Flow Range at a 45° Rise: 0.6 - 7.4 gpm
Max BTU's: 192,000
Electrical: 120 V
Vent: Direct Vent In 3" / Out 3"
Dual Pipe - PVC/SS
Gas Supply: 3/4" Pipe
Remote Control: Wireless Remote Optional
Certification: ETL
Energy Star Qualified
Dimensions: 28.7"H X 16.5"W X 10.2"D

Wholehouse unit for high hot water usage household or commercial applications. With H2O Saver Technology for controlling hot water consumption and hot water overrun prevention. Accurate temperature control setting.

Overall look of unit may vary.



AHG-T74H CONDENSING (NG & LPG)

Efficiency: Up to 92%
Flow Range at a 45° Rise: 0.6 - 7.4 gpm
Max BTU's: 174,000
Electrical: 120 V
Vent: Direct Vent In 3" / Out 3"
Dual Pipe - PVC or SS
Gas Supply: 3/4" Pipe
Remote Control: Wireless Remote Optional
Certification: ETL
Energy Star Qualified
Dimensions: 28.7"H X 16.5"W X 10.2"D

Super-efficient wholehouse unit for high hot water usage household or commercial applications. With H2O Saver Technology for controlling hot water consumption and hot water overrun prevention. Accurate temperature control setting.

Overall look of unit may vary.

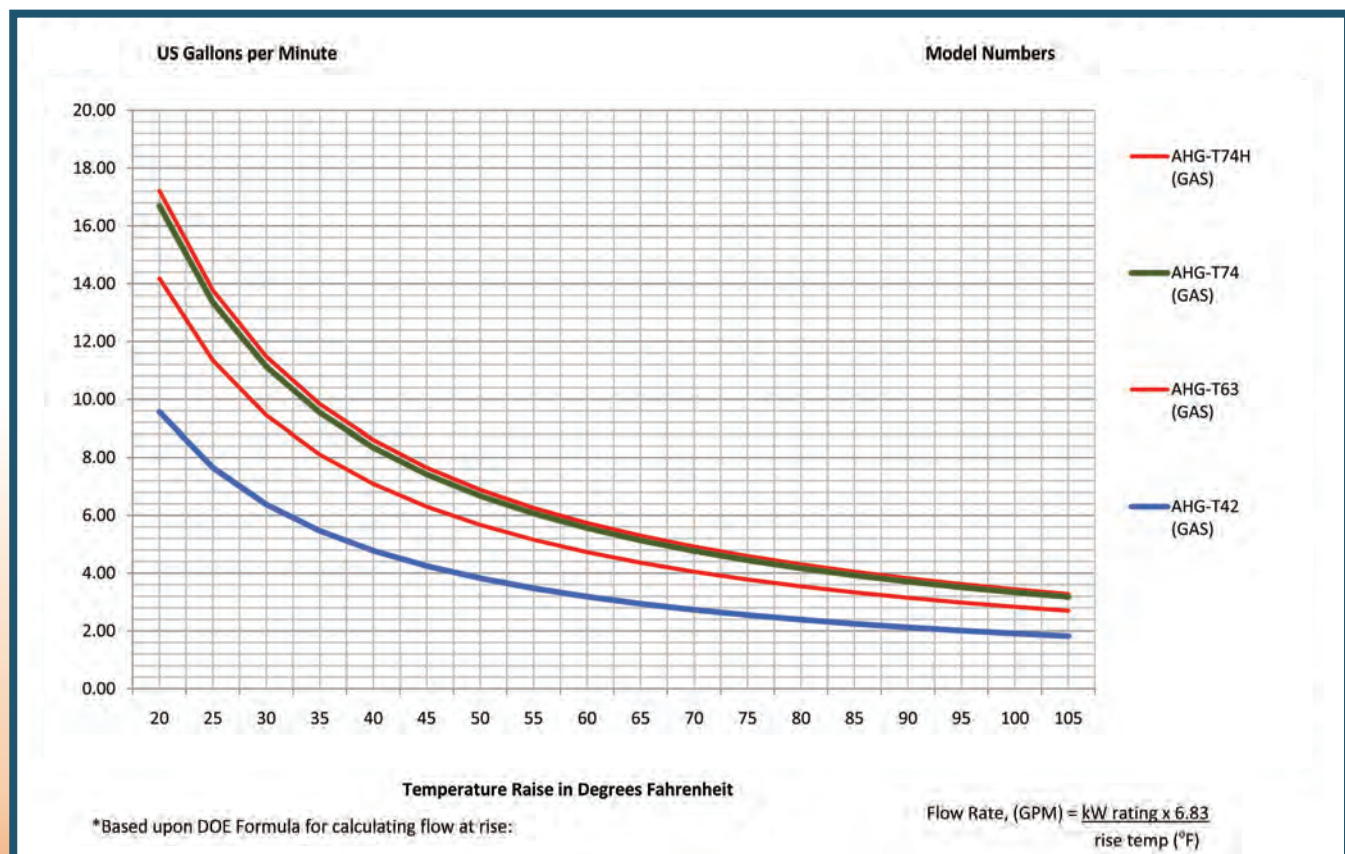
WITH H2O SAVER TECHNOLOGY™



SIZING IT RIGHT

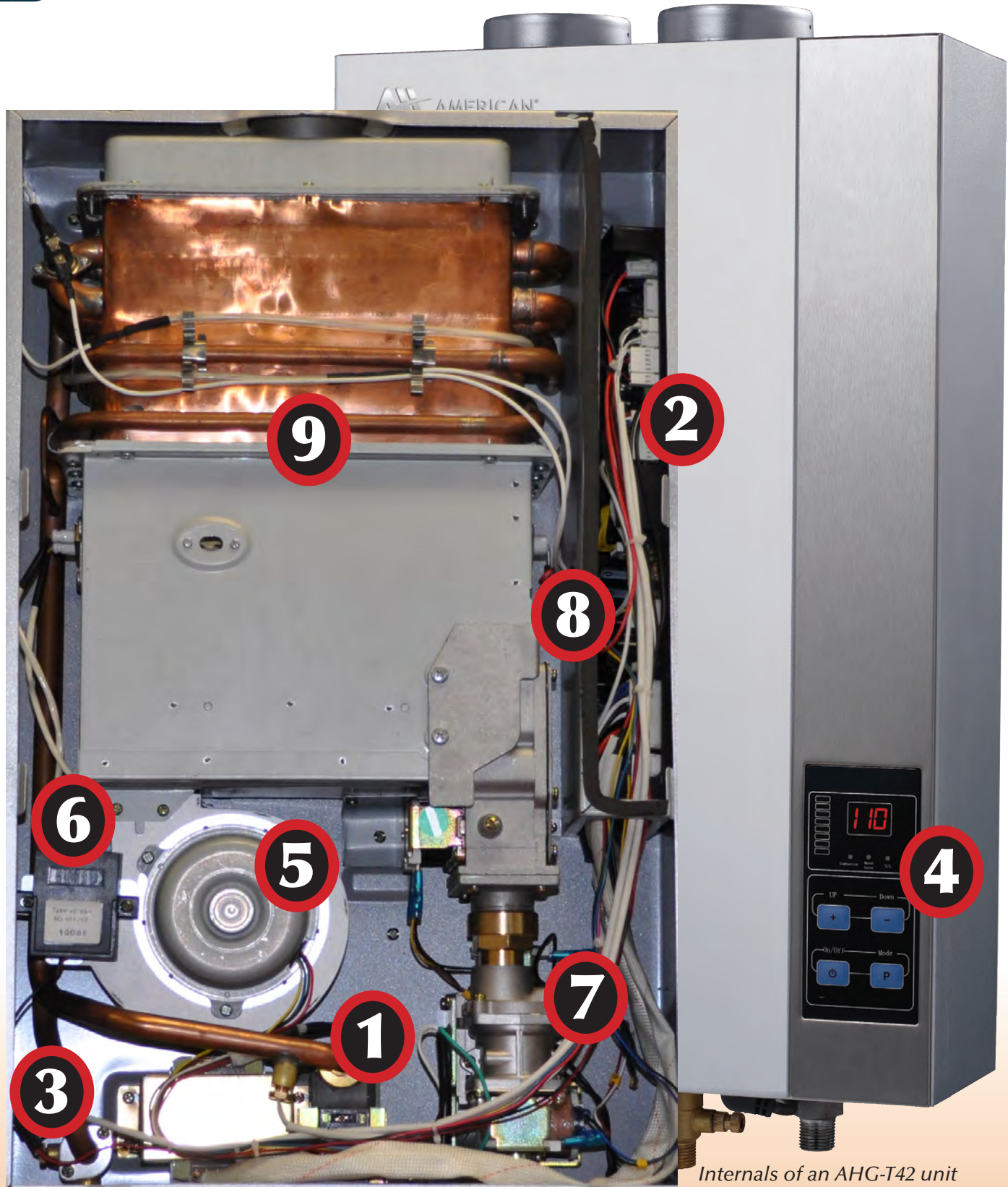
CAPACITY IN GALLONS PER MINUTE

Temp Rise F	AHG-T74H	AHG-T74	AHG-T63 (GAS)	AHG-T42 (GAS)
20	17.2	16.9	14.3	9.6
25	13.8	13.5	11.5	7.6
30	11.5	11.3	9.6	6.4
35	9.8	9.6	8.2	5.5
40	8.6	8.4	7.2	4.8
45	7.6	7.5	6.4	4.2
50	6.9	6.8	5.7	3.8
55	6.3	6.1	5.2	3.5
60	5.7	5.6	4.8	3.2
65	5.3	5.2	4.4	2.9
70	4.9	4.8	4.1	2.7
75	4.6	4.5	3.8	2.5
80	4.3	4.2	3.6	2.4
85	4.0	4.0	3.4	2.2
90	3.8	3.8	3.2	2.1
95	3.6	3.6	3.0	2.0
100	3.4	3.4	2.9	1.9
105	3.3	3.2	2.7	1.8
110	3.1	3.1	2.6	1.7





GAS TANKLESS WATER HEATERS





HOW IT WORKS

Water flow begins

- (1) Water Flow Sensor sends info to (2)PCB
- (2) PCB senses flow <.66 GPM

Firing sequence begins

Firing Sequence

- (2)PCB monitors (3)outlet water temperature, (4)set point and (1)water flow
- (5)Combustion fan is started
- (6)Igniter begins to fire
- (7)Proportional Valve opens
- (8)Flame Rod provides ignition
- (6)Igniter stops firing and Normal Operation Begins

Normal Operation

- (2)PCB monitors (8)flame rod, (5)fan motor, (3)outlet water temperature, (4)set point and (1)water flow.
- (7)Proportional valve modulates gas input to require rate to meet demand
- (5)Combustion fan varies speed to keep optimal burn rate in (9)burner

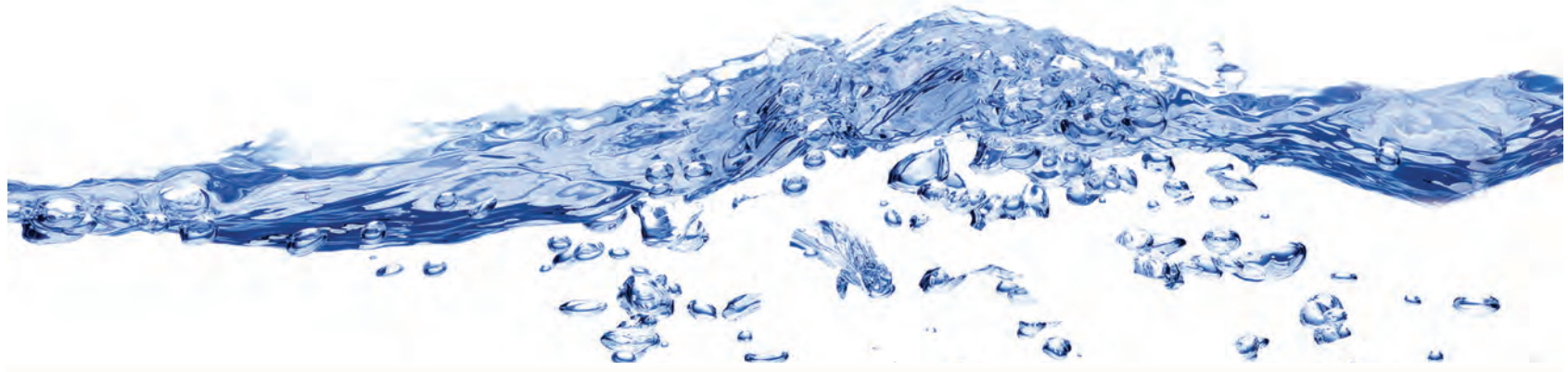
Shut down Sequence

- (2)PCB senses flow less than .66GPM
- (7)Proportional Valve closes
- (2)PCB resets to standby
- (5)Combustion fan runs for a short time to cool down heat exchange and clear and exhaust gas



Changing the Game™

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