



# Residential Tankless Water Heaters



GSW powered by Takagi offers tankless products to match the needs of today's average household.

State-of-the-art residential tankless water heaters, that include a condensing model, are all ENERGY STAR® qualified and provide an Energy Factor (EF) up to 0.95.

GSW powered by Takagi is your solution for endless hot water.

## PRODUCT FEATURES:

- ENERGY STAR® qualified
- Technology to meet today's demands
  - Growing demands throughout the home require a consistent, never-ending supply of hot water
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- Energy Savings
  - Plenty of hot water delivered in the most energy-efficient way possible
  - Up to 0.95 Energy Factor
- Eco-conscious
  - Use less energy: 20-50% energy savings compared to standard water heater
  - Efficient use of hot water
- Serviceability
  - Condensing models have built-in display for easy diagnostics and troubleshooting
- Limited 15-Year Residential Heat Exchanger Warranty



GSWT-540H  
Condensing Model Shown



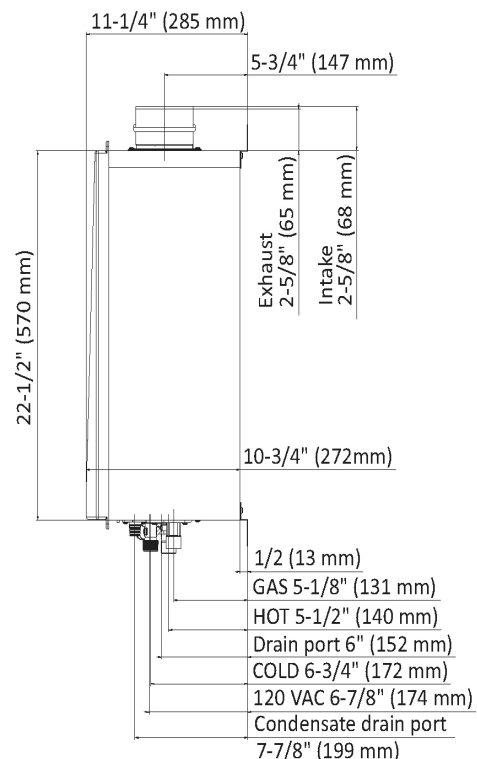
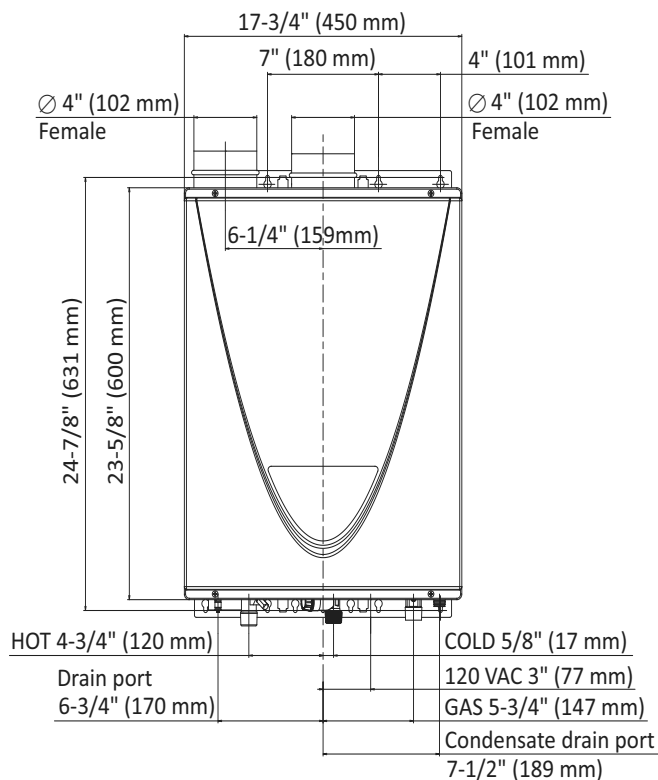


## GSWT-540H-DV 5.5 GPM at 70°F Temperature Rise

<b>Installation Type</b>	Direct Vent		
<b>Dimensions</b>	22 1/2" (H) x 17 3/4" (W) x 10 3/4" (D), Weight: 59 lbs		
<b>Electric Consumption</b>	120 VAC	0.61-0.74A (Operation)	0.04 A (Standby) 1.5 A (Freeze-Protection)
<b>Ignition</b>	Electronic Ignition		
<b>Fuel</b>	NG	LP	
<b>Gas Input</b>	Min 15,000 BTU/hr	Min 13,000 BTU/hr	
	Max 199,000 BTU/hr	Max 199,000 BTU/hr	
<b>Energy Factor</b>	0.95	0.95	
<b>Gas Pressure</b>	Min. 5.0"W.C.	Min. 8.0"W.C.	
	Min. 10.5"W.C.	Min. 14.0"W.C.	
<b>Maximum Flow Rate</b>	Max 10.0 GPM at 30°F Temperature Rise		
<b>Water Pressure</b>	15-150 psi (40 psi or above recommended for max. flow)		
<b>Multiple Unit Installation</b>	Easy-Link System <b>UP TO 4 UNITS</b> (with no additional parts/accessories required)		
	Multi Link <b>UP TO 20 UNITS</b> (with TM-MC02 controller)		
<b>Temperature Settings</b>	100°F, 105°F, 110°F, 115°F, 120°F (default), 125°F, 130°F, 135°F, 140°F, 145°F, 150°F, 155°F, 160°F, 165°F, 175°F, 185°F (16 settings)		
<b>Warranty</b>	<b>Residential</b>	15 years Heat Exchanger, 5 years Parts	
	<b>Commercial</b>	10 years Heat Exchanger, 1 year Parts	

### Product Features

- Condensing technology
- Unprecedented 0.95 Energy Factor
- Durable Heat Exchanger: Uses HRS35 copper for primary heat exchanger and Stainless Steel #316L for secondary heat exchanger
- Approved with ULC s636 PVC or CPVC or polypropylene venting in addition to Cat. IV Stainless Steel
- Vent with 3" (up to 70 feet) or 4" (up to 100 feet)
- 0" Clearance to combustibles
- Integrated control and diagnostics
- Air Fuel Ratio (AFR) Sensor
- Factory-installed power cord
- Dual internal freeze-protection system







# Residential Tankless Water Heaters



## Residential Flow Rate Guide USG per minute





Temp Rise (°F)	GSWT-310	GSWT-540H-DV
30	8.0	10.0
35	8.0	10.0
40	7.8	9.5
45	6.9	8.4
50	6.2	7.6
55	5.7	6.9
60	5.2	6.3
65	4.8	5.8
70	4.4	5.4
75	4.1	5.0
80	3.9	4.7
85	3.7	4.4
90	3.5	4.2
95	3.3	4.0
100	3.1	3.8
105	n/a	3.7
110	n/a	3.4
115	n/a	3.2
120	n/a	3.1

Flow rate is determined by temperature rise. To determine your temperature rise, subtract the incoming water temperature from the set output temperature. All units are factory set at 120°F to 122°F but can be changed. Flow rates are based on default set temperatures. In Canada, base incoming water temperature for coldest climate on 40°F.

## Match the unit to your needs

Number of showers each GSW powered by Takagi unit can handle, depending on inlet water temperature.

### 40°F Incoming Groundwater Temperature








Model	Capacity	Number of Shower Heads
GSWT-310	2 Showers	 
GSWT-540H-DV	2 Showers	 

Assuming the outgoing temperature is 120°F.

Assuming a standard shower head of max 2.5 GPM.

## Accessories Chart

Complement your GSW powered by Takagi tankless water heater with manufacturer recommended accessories

Description	Size	Part Number	GSWT-310	GSWT-540H-DV
 Direct Vent Conversion Kit	3" diam.	TK-TV10	x	
 Concentric Vent Kit - Cat.III Stainless Steel Includes: 1 Backflow Adaptor/Drain Tee, 12" Straight Vent Pipe, 1 Concentric Termination, 1 Aluminum Flex Tube, 1 Silicone Tube (5 ft. length), Gear Clamps, Hose Connection, Cinch Ties <i>NOTE: This kit also requires the purchase of the Direct Vent Conversion Kit, except for condensing models.</i>	4" diam.	2SVSHTCKIT43	x	
		2ZVCK44		x
 Concentric PVC/CPVC Termination - ULC s636 approved	3" diam.	TH-CVPVC33		x
 Isolation Valve Kit - includes pressure relief valve		TK-IV01	x	x
 Temperature Remote Controller		TK-RE02	Incl.	n/a
 Multi Link Controller (up to 20 units)		TM-MC02		x
 Condensate Neutralizer Kit		TH-NT01		x