



PROVEN PERFORMANCE NEW MODERN DESIGN

FDTGH SERIES
Condensing Tankless

Performance You Trust in a New

DELIVERS THE PERFORMANCE HOMEOWNERS WANT

With the same proven performance both plumbers and homeowners trust, the Friedrich® FDTGH Series Super High Efficiency Condensing Tankless Water Heaters now offer a new modern design. These smaller, lighter units were designed with contractors in mind to make one-person installation and servicing even easier while saving the homeowner money and energy. Plus, enhanced features deliver the continuous hot water and energy efficiency homeowners want.



EARTH-FRIENDLY EFFICIENCY, FLEXIBLE INSTALLATION

High Efficiency Performance

- Up to 1.5X the efficiency of a standard 50-gallon gas tank² – .93 UEF for condensing
- Up to 2.5X the lifespan of a standard 50-gallon gas tank² – With the industry's most comprehensive 15-year warranty³

Flexible Upgrade

- Industry-best ½" side-to-side and front clearance to combustibles⁶ – Provides peace of mind to install in a closet and close the door
- Easy-hang front door – Slides down and hangs for easier servicing
- Faster servicing – A Phillips screwdriver is all that's needed to disassemble the unit

Smarter Solution

Built-in Wi-Fi powered by EcoNet® technology lets homeowners control Friedrich® FDTGH Series Tankless Water Heaters from their smart phone⁷

- Receive notifications, maintenance reminders and LeakGuard™ leak detection alerts
- Set temperature, change modes, and access energy and water usage reports

Sustainable Solution

- Reduces carbon footprint and energy usage – The FDTGH Series uses up to 34% less energy⁴ than a standard 50-gallon tank helping minimize environmental impact
- Reduces greenhouse gas NOx emissions by up to 65%⁵ – Improving air quality

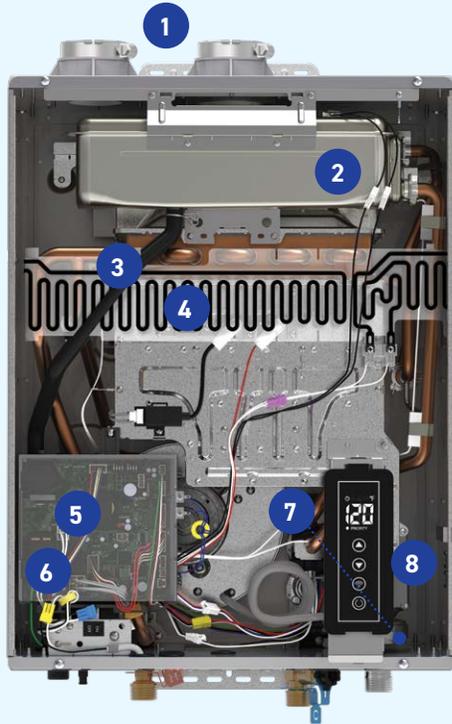


Modern Design



Friedrich® FDTGH Series Super High Efficiency Condensing Tankless

- **Simplified model selection** – Single unit meets almost any installation need with available outdoor conversion kit
- **Best-in-class turn down ratio** – Achieve tighter control over temperature output even during lower demand



- 1 2" inlet & exhaust w/band connections**
- 2 Secondary stainless steel heat exchanger**
- 3 Primary copper heat exchanger**
- 4 Exclusive overheat film wrap**
Protects the unit
- 5 Exclusive Hot Start Programming™**
Minimizes cold water bursts⁷
- 6 Exclusive water saving feature**
Saves water
- 7 LeakGuard™ with auto shut-off valve⁸**
Detects leaks and shuts off the flow of water
- 8 Built-in Wi-Fi powered by EcoNet® technology**
Easy-to-use controls (select models)



Outdoor Conversion Kit RTGH-X*

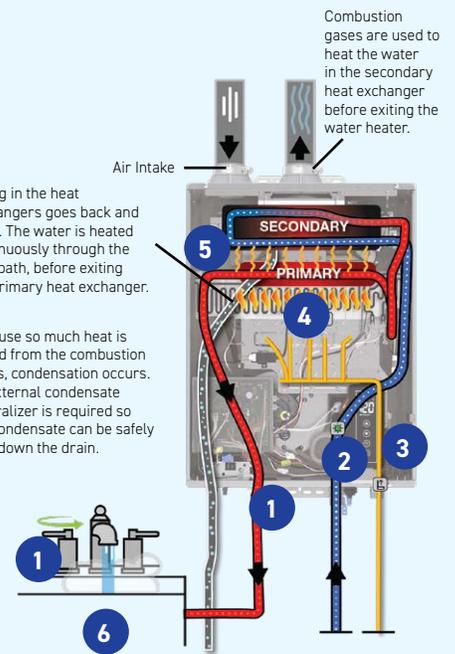
Enables FDTGH installation outdoors
(sold separately)



**When converting indoor Wi-Fi with LeakGuard models to outdoor, included cable and indoor mount should be used. This cable disables LeakGuard in outdoor installations to avoid false alarms and shut-off. Reference outdoor conversion instructions for more information on cable installation.*

How a Friedrich® FDTGH Series Condensing Tankless Gas Water Heater Works

- 1** A hot water faucet is opened, starting the water flow.
- 2** Cold water entering the unit passes over the flow sensor activating the water heater (minimum activation flow rate .4 GPM). The water then flows into the secondary heat exchanger followed by the primary.
- 3** The gas valve opens and sends gas to the heat exchangers.
- 4** Igniters in the unit spark and gas is burned to heat the water.
- 5** Heat from the flame transfers to the water in the primary heat exchanger. Remaining heat from combustion exhaust gases transfers to water in the secondary heat exchanger.
- 6** After passing through the temperature sensor, hot water exits the water heater at set point and travels to the open faucet. Once the faucet is closed, the flow sensor stops detecting the flow. The exclusive Hot Start Programming™ keeps the water heater in a ready state for five minutes minimizing cold-water bursts between back-to-back usage.



HELP YOUR CUSTOMERS START SAVING TODAY

Learn more at [Friedrich.com/waterheating](https://www.friedrich.com/waterheating)
or ask your local distributor



Friedrich® FDTGH Series Tankless Specifications

Model Number		FDTGH-68DVLN-3	FDTGH-84DVLN-3	FDTGH-90DVLN-3	FDTGH-95DVLN-3	FDTGH-95DVELN-3
Installation Type		Indoor (Outdoor Conversion Kit sold separately: RTGH-X)				
Gas Input Rate	MAX	120,000 BTU/h	157,000 BTU/h	180,000 BTU/h	199,900 BTU/h	
	MIN	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	
Built-in LeakGuard™						✓
Wi-Fi powered by EcoNet®						✓
Uniform Energy Factor (UEF)		0.90	0.93			
Gallons Per Minute (GPM)	MAX (35°F)	6.6	8.4	9.0	9.5	
	45°F Rise	5.1	6.7	7.7	8.5	
	67°F Rise	3.4	4.6	5.2	5.7	
Number of Bathrooms		2.5	3	3-4	4	
Temp. Range		100-140°F				
Height		23.7"				
Width		17.7"				
Depth		9.8"				
Weight (Lbs.)		52.9				
Temp. Setting from Factory		120°F				
Heat Exchanger Material		Primary: Copper – Secondary: Stainless Steel				
Minimum Activation Flow		0.4 GPM				
Minimum Continuous Flow		0.26 GPM				
Maximum Altitude		7,800 ft.				
Ultra Low NOx		Meets 14 ng/J NOx requirements – SCAQMD Rule 1146.2 compliant				
Warranty		15-Year Heat Exchanger 5-Year Parts 1-Year Labor				

All models are available in Natural Gas or Propane (LP). For Propane replace the N with P for LP model.



CONTACT US

**Customer Service,
Warranty and Parts:**
800.621.5622

Technical Service:
800.HEATER3
(800.432.8373)

EcoNet® Support:
800.255.2388

**Plumber Support
Group:**
866.339.2388

¹Sustainability Standouts are Wi-Fi models only. ²Based on comparison of a Friedrich FDTGH Series model against a standard residential 50-gallon tank type model with like fuel type. ³Based on comparison of Friedrich FDTGH series models against similar models from leading tankless competitors. ⁴Based on reduction in energy usage of Friedrich FDTGH Series models with a 0.93 UEF compared to a standard residential atmospheric 50-gallon tank type model with a 0.61 UEF. Assumes like fuel type, not to exceed 75,000 BTU. ⁵Based on comparison of Friedrich FDTGH Series model against standard residential 50-gallon tank type model with like fuel type, not to exceed 75,000 BTU. ⁶Based on comparison of Friedrich FDTGH Series models against similar models from leading tankless brands. ⁷Applies only to models with Wi-Fi; Wi-Fi broadband connection and EcoNet® App required; notifications are dependent on external factors beyond Friedrich's control. ⁸Available on indoor Wi-Fi models only. When converting indoor Wi-Fi with LeakGuard models to outdoor, included cable and indoor mount should be used. This cable disables LeakGuard in outdoor installations to avoid false alarms and shut-off. Reference outdoor conversion instructions for more information on cable installation. ⁹Based on a comparison of Friedrich FDTGH Series models having the Hot Start Programming™ against consumer reviews of leading competitor models.

In keeping with its policy of continuous progress and product improvement, Friedrich reserves the right to make changes without notice.

03/26 • Form No. FD-FDTGH-3-BRO Rev. 1

© 2026 Rheem Manufacturing Company. Friedrich trademarks owned by Rheem Manufacturing Company.