



Proven Performance Modern Design

FDTG/FDTG-R Series Non-Condensing Tankless



FDTG/FDTG-R Series
Non-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® FDTG/FDTG-R Series High Efficiency Non-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

- Save Water & Money – Save up to 12,000 gallons of water from being wasted down the drain annually with the built-in recirculation pump² (FDTG-R Series models only)—that's over \$1,000 in water costs over 15 years
- Up to 1.3X the efficiency of a standard 50-gallon gas tank² – .82 UEF for non-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

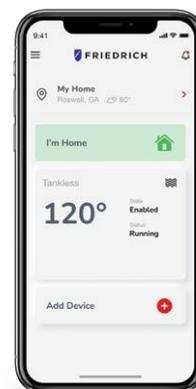
Smarter Solution

Built-in Wi-Fi powered by EcoNet® technology lets homeowners control Friedrich® FDTG/FDTG-R Series Tankless Water Heaters from their smartphone⁷

- Receive notifications, maintenance reminders and LeakGuard™ leak detection alerts
- Set temperature, schedule recirculation pump (if equipped), and track energy and water usage

Sustainable Solution

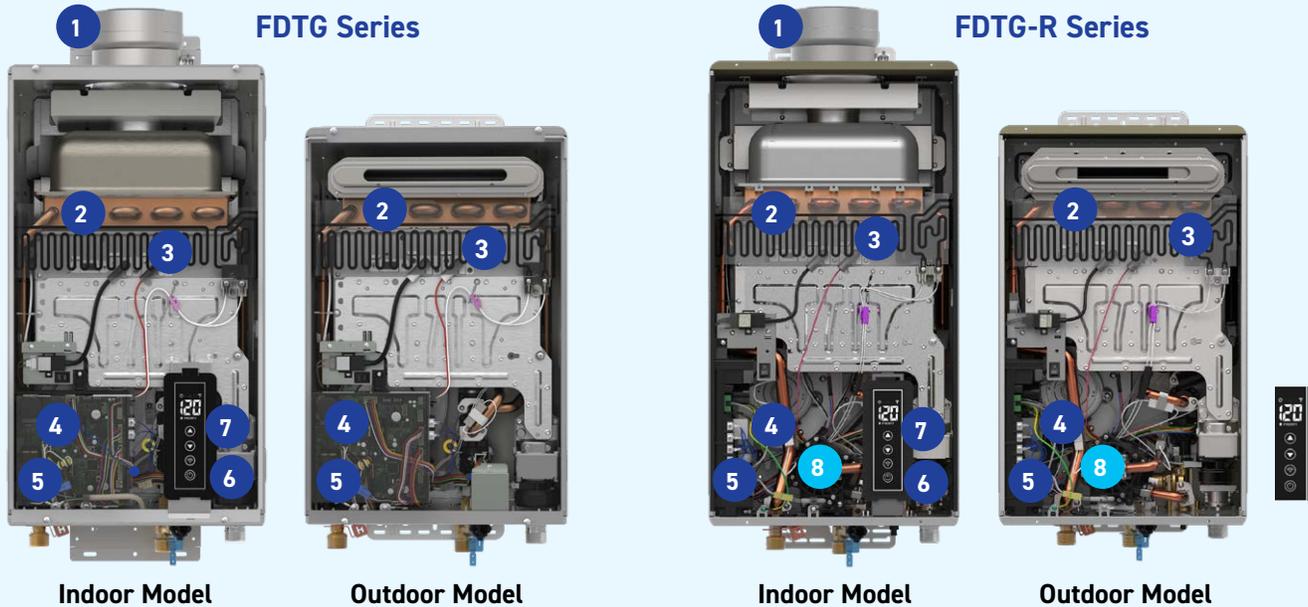
- Reduces carbon footprint and energy usage – The FDTG/FDTG-R Series uses up to 25% less⁴, helping minimize environmental impact
- Reduces greenhouse gas NOx emissions by up to 65%⁵ – Improving air quality



Modern Design

Friedrich® FDTG/FDTG-R Series High Efficiency Non-Condensing Tankless

- **Universal venting options** – Compatible with Metal Fab, PROTECH® and UBBINK standard concentric venting
- **Industry-leading 43' vent run capability** – Ease of installation

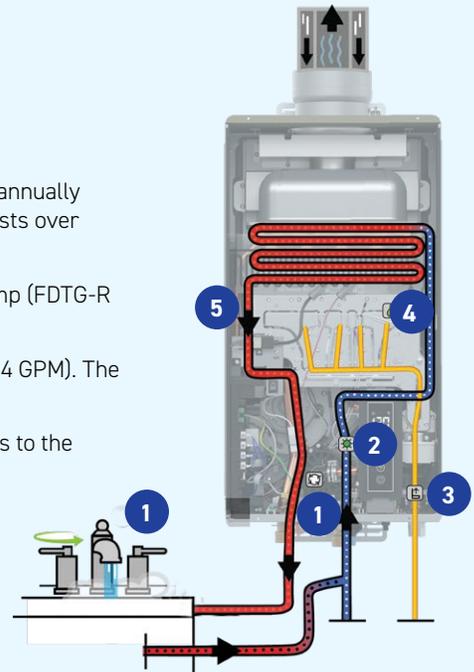


- 1 3"/5" concentric inlet & exhaust**
- 2 Copper heat exchanger**
- 3 Exclusive overheat film wrap**
Designed to shut down the system in the event that the heat exchanger overheats
- 4 Exclusive Hot Start Programming™**
Minimizes cold water bursts⁹
- 5 Exclusive water saving feature**
- 6 LeakGuard™ with auto shut-off valve⁸**
Detects leaks and shuts off the flow of water
- 7 Built-in Wi-Fi**
Built-in Wi-Fi powered by EcoNet® Technology for direct control from your mobile device
- 8 Built-in Recirculation (FDTG-R)**

How a Friedrich® FDTG-R recirculation pump works

Save Water & Money – Save up to 12,000 gallons of water from being wasted down the drain annually with the built-in recirculation pump² (FDTG-R Series models only)—that's over \$1,000 in water costs over 15 years.

- 1** A hot water faucet is opened, which starts the water flow OR the built-in recirculation pump (FDTG-R Series) cycles water through the water heater.
- 2** Cold water entering the unit passes through the flow sensor, which activates the ignitor (.4 GPM). The water then flows into the heat exchanger.
- 3** The ignitor in the unit sparks before gas is introduced. The gas valve opens and sends gas to the burners to heat the water.
- 4** Heat from the flame is transferred to the water in the heat exchanger.
- 5** Hot water exits the water heater and travels to the open faucet. Once the faucet is closed, the flow sensor stops detecting the flow and the water heater goes to a ready state. Our exclusive Hot Start Programming™ feature will minimize cold water bursts if the faucet is opened again within 5 minutes.



HELP YOUR CUSTOMERS START SAVING TODAY

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



Friedrich® FDTG/FDTG-R Series Tankless Specifications

Installation Type		Indoor						Outdoor					
Model Number		FDTG-70 DVLN-3	FDTG-84 DVLN-3	FDTG-95 DVLN-3	FDTG-95 DVELN-3	FDTG-R70 DVELN-3	FDTG-R95 DVELN-3	FDTG-70 XLN-3	FDTG-84 XLN-3	FDTG-95 XLN-3	FDTG-95 XELN-3	FDTG-R70 XELN-3	FDTG-R95 XELN-3
Gas Input Rate	MAX	160,000 BTU/h	180,000 BTU/h	199,900 BTU/h	199,900 BTU/h	160,000 BTU/h	199,900 BTU/h	160,000 BTU/h	180,000 BTU/h	199,900 BTU/h	199,900 BTU/h	160,000 BTU/h	199,900 BTU/h
	MIN	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h	11,000 BTU/h
Built-in Recirculation		Sold Separately				✓	✓	Sold Separately				✓	✓
Wi-Fi					✓	✓	✓				✓	✓	✓
Built-in LeakGuard™					✓	✓	✓						
Uniform Energy Factor (UEF)		0.82											
Gallons Per Minute (GPM)	MAX (35°F)	7.0	8.4	9.5		7.0	9.5	7.0	8.4	9.5		7.0	9.5
	45°F Rise	6.0	6.7	7.4		6.0	7.4	6.0	6.7	7.4		6.0	7.4
	67°F Rise	4.5	5.1	5.0		4.5	5.0	4.5	5.1	5.0		4.5	5.0
Number of Bathrooms		2.5	3	3.5		2.5	3.5	2.5	3	3.5		2.5	3.5
Temp. Range		100°F-140°F											
Height		24.2"			25.5"			20.75"			22.03"		
Width		13.5"			13.5"			13.5"			13.5"		
Depth		10.27"			11.2"			9.4"			10.7"		
Weight (Lbs.)		46.5			53			42			47		
Temp. Setting from Factory		120°F											
Heat Exchanger Material		Copper											
Minimum Activation Flow		0.4 GPM											
Minimum Continuous Flow		0.26 GPM											
Maximum Altitude		7,800 ft.			10,200 ft.			7,800 ft.			10,200 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 FDTG/FDTG-R Series model against a standard residential 50-gallon tank type model with like fuel type. ³Based on comparison of Friedrich FDTG/FDTG-R Series models against similar models from leading tankless competitors. ⁴Based on reduction in energy usage of FDTG/FDTG-R Series models with a 0.82 UEF compared to a standard residential 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 FDTG/FDTG-R 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 FDTG/FDTG-R 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. ⁹Friedrich is the only leading tankless manufacturer offering this technology.

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

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