

## F-Series Plus Ultra Low NOx water heaters exceed ANSI standards for flammable vapor ignition resistance

### EFFICIENCY

- .58 - .64 UEF
- More hot water at a low operating cost

### PERFORMANCE

- FHR: 71 - 88 gallons for natural gas
- Recovery: Up to 46 GPH at a 90° F rise, depending on model

### GUARDIAN SYSTEM™ & SENSOR

- Exclusive fuel shut-off device
- Maintenance free – no filter to clean
- Protective control system that disables the heater in the presence of flammable vapor accumulation



Maintenance Free

### LOW EMISSIONS

- Ultra Low NOx radiant burner design
- Stainless steel burner construction
- SCAQMD Rule 1121 compliant
- Meets 10 ng/J NOx requirements

### HIGH ALTITUDE COMPLIANT

- All models certified to 10,000 ft. above sea level

### PLUS...

- Side water connections for space heating applications **available on select models**
- EverKleen® patented system fights sediment build-up
- Premium grade anode rod provides long-lasting tank protection
- Easy to light – no matches required
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Factory installed temperature and pressure relief valve on select models
- Low lead compliant
- Exclusive tank lining resists corrosion and prolongs tank life

### WARRANTY

- 8-Year limited tank and parts warranty\*
- With ProtectionPlus™ the 8-year limited tank warranty becomes 12-year

\*See Residential Warranty Certificate for complete information

Units meet or exceed ANSI requirements and have been tested according to the AHRI Operations Manual and D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



**NEW!** Installed Top T&P Valve on Select Models

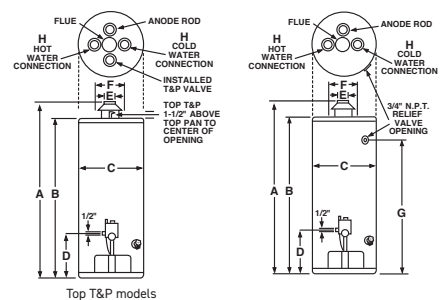
**NEW!** Side Water Connections on Select Models

## F-Series Plus Ultra Low NOx

40, and 50-Gallon Capacities  
Up to 48,000 BTU/h  
Natural Gas



LEED Point = 1



Top T&P models

DESCRIPTION				FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.	
T Y P E	NOMINAL GALLON CAPACITY	RATED GALLON CAPACITY	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H. NAT.	RECOVERY IN G.P.H. 90° F RISE NAT.	FIRST HOUR RATING (GALLONS)	HEIGHT TO VENT A	TANK HEIGHT B	DIAM. C	HT. TO GAS CONN. D	VENT SIZE E	WATER CONN. CENTER F	HT. TO SIDE T&P VALVE G	WATER CONN. SIZE H	SHIP WT. (LBS)	UNIFORM ENERGY FACTOR (UEF)	
Tall	40	38	8PROG 40-38U FD62 EC1-1	38	38	71	61-1/2	58-1/2	19	14	3 or 4	8	52-1/4	3/4	135	0.58	
Tall	50	48	8PROG 50-38U FD62 EC1-1	38	38	86	61-1/4	58-3/8	20-1/2	14	3 or 4	8	51-3/8	3/4	150	0.63	
Models with Installed Top T&P Valve																	
Tall	40	38	8PROG 40-38U FD62 EC1 TT-1	38	38	71	61-1/2	58-1/2	19	14	3 or 4	8	–	3/4	135	0.58	
Tall	50	48	8PROG 50-38U FD62 EC1 TT-1	38	38	84	61-1/4	58-3/8	23	14	3 or 4	8	–	3/4	162	0.64	
High BTU Models with Installed Side Water Connections																	
Tall	50	48	8PROG 48-48U FD EC1	48	46	88	61-3/4	58-1/2	21-3/4	4	4	11	51-7/8	3/4	150	0.64	

Uniform Energy Factor and rated gallon capacity based on Department of Energy (DOE) requirements.

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

Friedrich Water Heating • 1115 Northmeadow Parkway, Suite 100  
Roswell, Georgia 30076 • [www.friedrich.com](http://www.friedrich.com)