

## **F-Series Plus Induced Draft is a compact, energy saving 29-gallon gas water heater that outperforms standard 50-gallon models**

### **EFFICIENCY**

- .71 UEF
- Well insulated for reduced stand-by heat loss

### **PERFORMANCE**

- 29-Gallon capacity with 93 gallon FHR performance
- Recovery: 61 GPH at a 90° F rise, exceeds standard 50-gallon by up to 34%

### **COMPACT SIZE**

- Small foot print, 17-3/4 inch diameter
- Fast one-man installation, compact and light weight

### **SELF-DIAGNOSTIC SYSTEM**

- Integrated self-diagnostic system control for easy installation and service

### **LOW EMISSIONS**

- Eco-friendly burner, low NOx design
- Meets 40 ng/J NOx requirements



### **TECHNOLOGY**

- 110 VAC draft inducer (includes 8-foot cord with 3-prong plug)
- Standard atmospheric Category I, double-wall, B-vent, 3" or 4" (4" adaptor included)

### **What is a Fan Assisted Draft Inducer?**

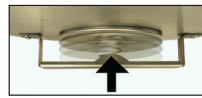
Standard gas water heaters produce extremely hot air during combustion, which moves the combustion gases quickly up the chimney. The XR90 is much more efficient (i.e. it puts more heat in the water and less heat up the chimney).

A proprietary baffle and flue design retains the heat longer, therefore a device is needed to propel the air and gases upward.

Fan assisted draft inducer creates the proper draft to expel the combustion gases.

### **GUARDIAN SYSTEM™ & SENSOR**

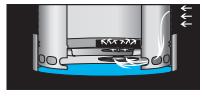
- Exclusive air/fuel shut-off device for double protection
- Maintenance free – no filter to clean
- Protective control system that disables the heater in the presence of flammable vapor accumulation



Combustion Shut-off System



Flame Arrestor Plate



Maintenance Free

### **LONGER LIFE**

- Premium grade anode rod provides long-lasting tank protection

### **HIGH ALTITUDE COMPLIANT**

- Certified for applications up to 10,100 feet above sea level

### **PLUS...**

- Dual certified for both potable water and space heating
- Enhanced-flow brass drain valve
- Temperature and pressure relief valve included
- Low lead compliant
- EverKleen® patented system fights sediment build-up
- Standard replacement parts

### **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 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.



### **F-Series Plus Induced Draft**

29-Gallon Capacity  
60,000 BTU/h  
Natural Gas



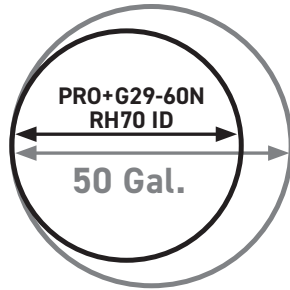
LEED Point = 1

See specifications chart on back.

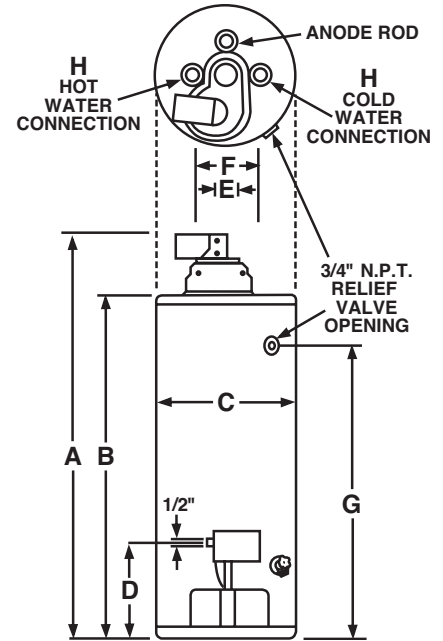
## F-Series Plus Induced Draft Specifications

DESCRIPTION			FEATURES			ROUGHING IN DIMENSIONS (SHOWN IN INCHES)									ENERGY INFO.	
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)	HT. 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)	
29	28	8PROG 29-60N FD70 ID	60	61	93	65-1/2	58-1/4	17-3/4	14	3 or 4	8	51-9/16	3/4	136	0.71	

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



**Footprint Comparison**  
Narrow 17-3/4 inch diameter fits in a smaller space than standard 40 or 50-gallon models.



Therm-X-Guard thermal expansion tank recommended.  
See spec sheet 105-29 for correct sizing.

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

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