

Model Number	BTU/Hr Input	GPH @ 40°F Rise	GPH @ 100°F Rise	GPH @ 140°F Rise	Height Inches	Width Inches	Depth W/Pump Inches	Approx. Shipping Weight (Lbs.)
VWH0500N	500,000	1,318	527	377	44-1/2	23-1/8	45-1/2	573
VWH0750N	750,000	1,977	791	565	52-1/8	23-1/8	45-1/2	622
VWH1000N	999,999	2,636	1,054	753	59-1/4	23-1/8	45-1/2	662
VWH1500N	1,500,000	3,955	1,582	1,130	65-3/8	27-1/8	51	1,118
VWH2000N	2,000,000	5,273	2,109	1,506	76-5/8	27-1/8	51	1,187

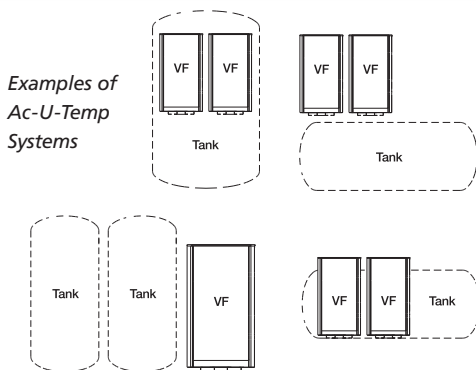


## Ac-U-Temp — A total hot water supply system using VF Series Water Heaters

With Ac-U-Temp, A. O. Smith makes it as easy as possible to install a complete packaged hot water supply system, combining 88% efficient VF Series Water Heaters with A. O. Smith storage tanks. A. O. Smith offers a wide range of available water heater/storage tank combinations using the Ac-U-Temp system. There are a number of standard water heater and tank configurations with tanks up to 1,000 gallons, or we can custom design and build an Ac-U-Temp system with tanks up to 10,000 gallons to meet your specifications and application requirements. Ac-U-Temp systems are shipped fully assembled, pre-piped and pre-wired. All the installer has to do is make the flue, gas, electrical and water connections, so field errors are minimized.

Consult your A. O. Smith representative for more information on the wide range of available water heater/storage tank combinations using the Ac-U-Temp system.

For complete specifications on the VF Series, consult the specification sheets at [www.hotwater.com](http://www.hotwater.com) or contact your local A. O. Smith sales representative.



A. O. Smith

500 Tennessee Waltz Parkway Ashland City, TN 37015  
[www.hotwater.com](http://www.hotwater.com)

# COMMERCIAL GAS WATER HEATERS

## Up To 87% Efficient, Hot Water Heater with Modulating Fire 4:1 Turndown

### Hot Water Applications:

With 5 models to choose from and BTU inputs from 500,000 BTU/h to 2 million BTU/h there is a VF Water Heater or a combination of VF's that is ideal for almost any large water heating application.

### CATEGORY IV LISTED

### PROFESSIONAL START-UP SERVICE FURNISHED

### THERMAL EFFICIENCY

- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IESNA 90.1

### LOW NOx OPERATION

- Complies with SCAQMD Rule 1146.2 and other Air Quality Management districts with similar requirements for low NOx emissions

### OTHER VF™ FEATURES:

- ASME Pressure Relief Valve 125#
- Contacts for 0-10 VDC BMS External Control
- Contacts for Alarm or Any Failure
- Factory-Mounted Flow Switch
- Low Gas Pressure Switch

### FEATURES: (cont'd)

- All Bronze Factory Sized Pump Included (Shipped Loose)
- Digital Inlet/Outlet Temperature Read Out
- Manual Reset Hi-Limit

### VF™ OPTIONS:

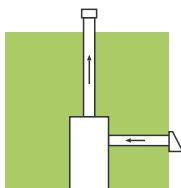
- Sequence Panel – Can manage 1 to 4 modulating units (Includes remote Tank sensor and sensor well)
- Alarm Bell
- Low Water Cutoff w/Manual Reset and Test
- LP Gas
- Vent Kits:
  - Horizontal Exhaust Cap
  - Horizontal Air Intake Cap
  - Horizontal Direct Vent Kit
  - Category IV to Category II Conversion Kit

### WARRANTY:

- 5-Year Limited Heat Exchanger Warranty

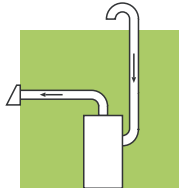
## Venting Solutions

- All VF models feature flexible direct vent and sidewall Category IV venting. In addition, the VF units may be installed as Category II appliances, allowing multiple units to be manifolded together into a common vent stack – giving you even more design options! (Both Category II and IV venting systems require corrosion-resistant, AL29-4C stainless steel sealed venting material.)



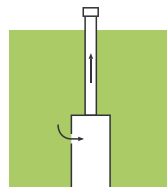
**Ducted Air Vertical\***

Vertical venting up to 50 equivalent feet. Draws combustion air up to 50 feet from a different pressure zone using Category IV vent materials.



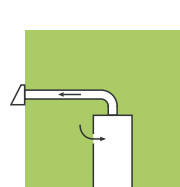
**Ducted Air Horizontal\***

Vents horizontally up to 50 equivalent feet and draws combustion air up to 50 feet from a different pressure zone using Category IV vent materials.



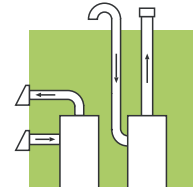
**Vertical Venting**

Using Category IV vent materials



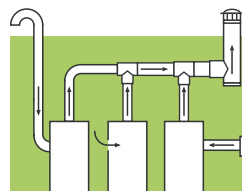
**Sidewall Venting\***

Horizontal venting up to 50 equivalent feet using Category IV vent materials.



**Direct Venting\***

Horizontal or vertical venting up to 50 equivalent feet. Draws combustion air up to 50 feet from the same pressure zone using Category IV vent materials.



**Common Venting\***

Vents multiple units horizontally through one vent termination and draws combustion air from the room, roof or sidewall. Category IV to II conversion kit required.

\*Requires optional factory-supplied vent and combustion air intakes terminals be used.

Note: For the most current VF venting distances/information, consult the VF Instruction Manual, available through your local A. O. Smith representative, or online at [www.hotwater.com](http://www.hotwater.com)