



# TJERNLUND

*New Improved  
Design -  
Easier to Install*

**VP-2F & VP-3F**

## **Side Wall Gas Water Heater Vent Systems**



*Your best choice  
for electric-to-gas  
conversions,  
renovations, new  
construction and  
deteriorated  
chimneys*



### **Minimum Installation Costs, Maximum Safety and Performance**

#### **Special Advantages:**

- Vents any brand or type of millivolt gas water heater. (Use GPAK or HS Series for 24/115 VAC controls.)
- Outlasts most water heaters in hard water areas.
- Locate heater anywhere up to 75 equivalent feet from outside wall.
- No electrician needed for installation.
- Use in tandem with high efficiency, direct vent furnaces.

#### **Exceptional Features:**

- Quiet operation.
- Factory-wired for fast, safe installation.
- Safety controls shut off heater if vent system fails.
- Post-purge timer keeps Power Venter operating after burner cycle to purge system of residual gases.
- Kit includes everything for complete installation (except vent pipe).

# VP-2F & VP-3F Side Wall Gas Water Heater Vent Systems



*Designed by the  
Innovators of  
Induced Draft Venting*

## Basic Installation Steps

1. Install Side Wall Vent Hood at desired location.

2. Mount Power Venter using anti-vibration bracket. Connect Power Venter to vent hood and to water heater draft hood with standard vent pipe.



3. Attach Gas Pressure Switch to heater casing and connect to pressure tap on the heater gas valve. Attach Linear Limit Safety to draft hood and Thermocouple Junction Adapter. Route 2-wire control cable from Power Venter to Gas Pressure Switch. Plug power cord into 115 volt outlet.

## Sequence of Operation

1. Water heater thermostat calls for heat.

2. Power Venter activates and burner fires simultaneously.

3. Burner shuts down when thermostat is satisfied.

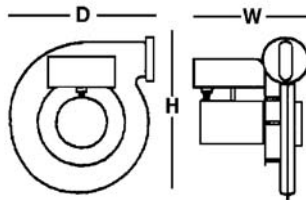
4. Power Venter continues operation for a non-adjustable time period of approximately 45 seconds.

5. If sustained flue gas spillage is detected by Linear Limit Safety, Thermocouple circuit is opened and gas valve is de-energized. Linear Limit must be reset and Pilot must be relit to re-establish burner operation.

## Power Venter Specifications

### Dimensions

| Model        | VP-2F   | VP-3F   |
|--------------|---------|---------|
| Height (H)   | 10 1/2" | 7 7/8"  |
| Width (W)    | 7 1/2"  | 10 1/4" |
| Depth (D)    | 10"     | 7"      |
| Inlet/Outlet | 3"      | 4"      |



### Electrical

| Motor | VP-2F | VP-3F |
|-------|-------|-------|
| Volts | 115   | 115   |
| HZ    | 60    | 60    |
| RPM   | 3,000 | 3,000 |
| Watts | 50    | 95    |
| Amps  | 1     | 1.26  |

### Safety Interlock Controls

#### Linear Limit

Opens at 185° F., manual reset

#### Gas Pressure Switch

Max. operating pressure: 1/2 PSI

Operating pressure: 2" ± .20" W.C.

Contact rating: 5 Amp resistant at 120 VAC

## Application Table

| Model | Burner Capacity           | Maximum Venting Length | Vent Diameter |
|-------|---------------------------|------------------------|---------------|
| VP-2F | Up to 60,000 BTU/hr.      | 75 equivalent feet     | 3"            |
| VP-3F | 60,000 to 120,000 BTU/hr. | 75 equivalent feet     | 4"            |

Available From: