



## Residential Gas Water Heaters

# ProMax<sup>®</sup> DIRECT VENT

### Features

#### **DIRECT VENT DESIGN**

One-pipe, dual-channel closed system draws all make-up air from outside the home, eliminating problems caused by insufficient indoor ventilation and is FVIR compliant.

Horizontal air intake and venting on all models up to 80 inches from outside wall with no electrical power needed.

#### **INTELLIGENT CONTROL LOGIC**

The internal microprocessor provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance

#### **DYNACLEAN<sup>™</sup> DIFFUSER DIP TUBE**

Helps reduce lime and sediment buildup, maximizes hot water output. Made from long-lasting PEX cross-linked polymer.

#### **SELF-POWERED ELECTRONIC GAS VALVE**

Uses a thermopile to generate the power needed to operate the electronic gas control without requiring an external power source.

#### **DIAGNOSTICS**

The electronic gas control incorporates an LED status indicator that monitors system operation and service diagnostics.

#### **PUSH BUTTON PIEZO IGNITOR**

Makes lighting pilot fast and easy with one hand push button spark ignition.

#### **HEAT TRAP NIPPLES**

Factory-installed.

#### **DURABLE TAMPER-RESISTANT BRASS DRAIN VALVE**

#### **PERMAGLAS<sup>®</sup> GLASS COATING**

Provides corrosion resistance.

#### **CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE**

#### **8-YEAR LIMITED TANK & 6-YEAR PARTS WARRANTY**

For complete information, consult written warranty



### Series 200/201





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| MODEL NUMBER | SERIES | FIRST HOUR RATING GALLONS | ENERGY FACTOR | GAL. CAP. | INPUT BTU PER HOUR | RECOVERY@ 90°F RISE GALLONS PER HOUR | DIMENSIONS IN INCHES |        |        |        |        |        | VENT OUTLET* | APPROX. SHIPPING WEIGHT (LBS) |
|--------------|--------|---------------------------|---------------|-----------|--------------------|--------------------------------------|----------------------|--------|--------|--------|--------|--------|--------------|-------------------------------|
|              |        |                           |               |           |                    |                                      | A                    | B      | C**    | D      | E      | F      |              |                               |
| GDV-40       | 200    | 73                        | 0.60          | 37        | 38,000             | 37                                   | 68                   | 54-3/4 | 22-1/4 | 16     | 12-1/4 | 45-1/4 | Co-Axial     | 167                           |
| GDVT-50      | 200    | 88                        | 0.58          | 50        | 50,000             | 55                                   | 76                   | 64-3/4 | 22-1/4 | 16-1/4 | 12-1/2 | 55-1/2 | Co-Axial     | 187                           |
| GDV-75       | 200    | 131                       | 0.57          | 75        | 55,000             | 60                                   | 76                   | 65-3/4 | 26-1/4 | 16-1/4 | 12-1/2 | 55-1/2 | Co-Axial     | 310                           |

Recovery capacities based on actual performance tests.

\* Dual-channel system has 3" vent pipe inside 6" air intake pipe, for the 40 & 50-gallon models.

The 75 gallon model uses a 4" x 7" co-axial pipe.

All Models Have 2" Foam Cavity.

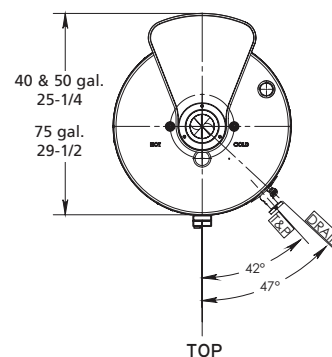
Water connection 3/4" male all models.

75 gallon water connections are 12" on center.

\*\* Allow 25 1/4" for 40 and 50-gallon models and 29 1/2" for 75-gallon models for front-to-back dimensions for air intake at the rear of the heater.

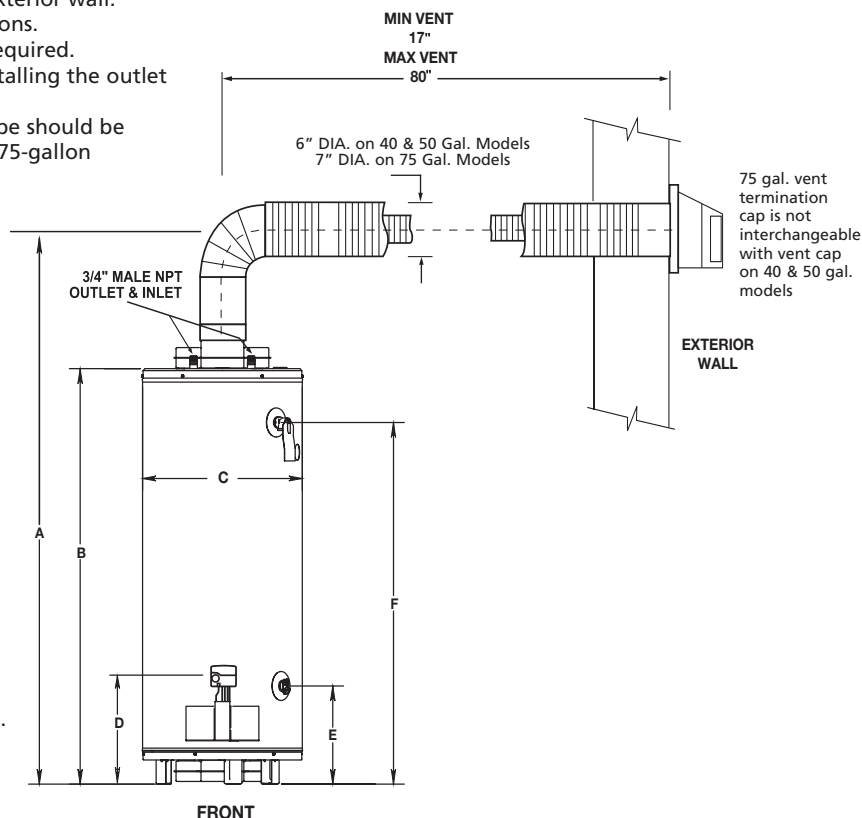
Propane units are Series 201

All models are certified from sea level to 7,700 ft. elevations.



### Important! Vent Installation and Termination Requirements

- Maximum horizontal vent distance is 80" to outside of exterior wall.
- Minimum horizontal vent distance is 17" to outside of exterior wall.
- Vent pipes may be trimmed (cut) for short vent installations.
- For vent installation less than 30" the vent restrictor is required.  
Place restrictor over the flue outlet on heater before installing the outlet vent pipe to the heater.
- Recommended installation height for the heater vent pipe should be 68" for 40 gallon models and 76" for the 50-gallon and 75-gallon models (vent height).
- Offset Vent Arrangement
  1. When replacing an existing direct vent model, the new vent pipe may drop from the minimum vent height as much as 7 1/4" to exit through the existing vent opening in the exterior wall.
  2. Vent may have one horizontal 90 degree turn before exiting through exterior wall (Do not combine both offset vent arrangements in one installation) (See examples in the installation manual)
- High Rise Vent Arrangement
  3. When vent termination is more than 80" above the base of the heater. The horizontal vent run must be a minimum of 22" from the center of the heater to the outside exterior wall surface. (See example in the installation manual)
- Vent termination clearance hole through the exterior wall should be approximately 7" diameter.
- Snow accumulation and drifting should be considered when locating the termination.
- An optional wire grill vent cap protector is available through the parts department. Part number 9006627005.
- See the installation manual for complete installation and venting requirements.



For Technical Information, call 1-888-479-8324. A.O. Smith Corporation reserves the right to make product changes or improvements without prior notice.