



POWER DIRECT VENT

INDUCED DRAFT RESIDENTIAL GAS WATER HEATERS

LONG VENT RUNS UP TO 100 FEET

- Designed for energy savings in today's tightly constructed homes
- Draws combustion air from outside the home
- PVC, ABS, or CPVC vent pipe options



RUUD POWER DIRECT VENT

EFFICIENCY

- .62 - .67** EF

PERFORMANCE

- FHR: Up to 139-gallons for natural and LP gas
- Recovery: 38.4 to 75.8 at a 90 degree rise, based on model

SELF-DIAGNOSTIC SYSTEM

- Integrated system control for easy installation and service



LOW EMISSIONS

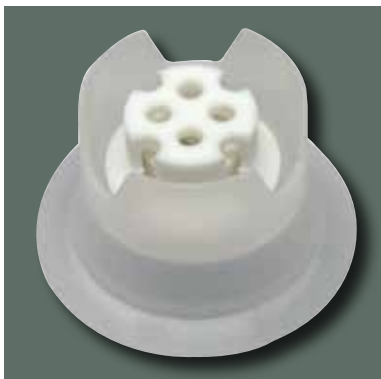
- Eco-friendly burner, low NOx design

FEATURES

- Two pipe system: one pipe pulls in outside air for combustion and the other exhausts combustion gases
- 120 VAC powered blower
- New whisper quiet blower

FLAMMABLE VAPOR DETECTION SYSTEM

- Protective control system that disables the heater in the presence of flammable vapor accumulation



FLEXIBLE VENTING

OPTIONS

- Long venting lengths up to 100 feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination
- Concentric vent kit available

LONGER LIFE

- Patented magnesium anode rod with resistor protects the tank from rust

HIGH ALTITUDE COMPLIANT

- Models are certified for applications up to 10,200 feet above sea level

PLUS...

- Brass drain valve and temperature and pressure relief valve are included
- Durable silicon nitride igniter (HSI)
- Side taps for space heating applications on 50-65, 63 and 75-gallon models
- EverKleen™ device removes sediment
- Standard replacement parts

WARRANTY

- 6-Year limited tank and parts warranty*
- With ProtectionPlus™ the 6-year limited tank warranty becomes 10-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.



GAS WATER HEATERS DESIGNED FOR TIGHTLY CONSTRUCTED HOMES OR WHEN INDOOR AIR QUALITY IS A CONCERN

Ruud Power Direct Vent gas water heaters are the perfect choice when local codes require outside air to be used for combustion. The two pipe system allows air to be pulled from outside the home which eliminates negative air situations. Homeowners also have placement flexibility due to longer vent runs with plastic pipe.

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SPECIFICATIONS

| DESCRIPTION | | FEATURES | | | | | | ROUGHING IN DIMENSIONS (SHOWN IN INCHES) | | | | | | | | ENERGY INFO. | | | | | |
|-------------|-----------|--------------|---------------------------|----|-----------------------------|------|------------------------|--|--------------------|-------------------------|----------|--------|------------------|-------------------|-----------------------|------------------|---------------|-----------------|---------------|------|-----------------------|
| TYPE | GAL. CAP. | MODEL NUMBER | GAS INPUT IN THOUS. BTU/H | | RECOVERY IN G.P.H. 90° RISE | | FIRST HOUR DEL. G.P.H. | | HT. TO TOP OF VENT | HT. TO TOP OF AIR INLET | TANK HT. | DIAM. | HT. TO GAS CONN. | WATER CONN. CNTR. | HT. TO SIDE T&P VALVE | WATER CONN. SIZE | FRONT TO BACK | SHIP. WT. (LBS) | ENERGY FACTOR | | AVG. ANN. OPER. COSTS |
| | | | NAT. | LP | NAT. | LP | NAT. | LP | A | B | C | D | E | F | G | H | I | NAT. | LP | NAT. | |
| TALL | 40 | RU PDV40 | 40 | 38 | 40.4 | 38.4 | 73 | 73 | 68-1/2 | 69-1/4 | 60-1/4 | 19-3/4 | 14 | 8 | 53-3/4 | 3/4 | 29-1/2 | 180 | 0.67 | 0.67 | \$272 |
| | 50 | RU PDV50 | 40 | 40 | 40.4 | 40.4 | 93 | 93 | 67-5/8 | 67-7/8 | 59-3/8 | 21-3/4 | 14 | 8 | 52-3/4 | 3/4 | 31-1/2 | 205 | 0.67 | 0.67 | \$272 |
| | 50 | RU PDV50-65 | 65 | 47 | 65.7 | 47.5 | 111 | 92 | 67-5/8 | 68-3/8 | 59-3/8 | 21-3/4 | 14 | 8 | 52-3/4 | 3/4 | 31-1/2 | 210 | 0.62 | 0.62 | \$294 |
| | 63 | RU PDV65 | 65 | 56 | 65.7 | 56.6 | 120 | 113 | 71-1/4 | 72-1/4 | 61-3/4 | 23 | 14-5/8 | 11 | 54 | 3/4 | 34-1/4 | 285 | 0.62 | 0.62 | \$294 |
| | 75 | RU PDV75 | 75.1 | 70 | 75.8 | 70.7 | 139 | 139 | 70-3/8 | 71-1/4 | 60-1/2 | 26-1/4 | 15 | 11 | 53 | 1 | 36-3/4 | 325 | - | 0.62 | \$495† |

** .67 EF exceeds ENERGY STAR® Phase II requirements, Sept. 2010.

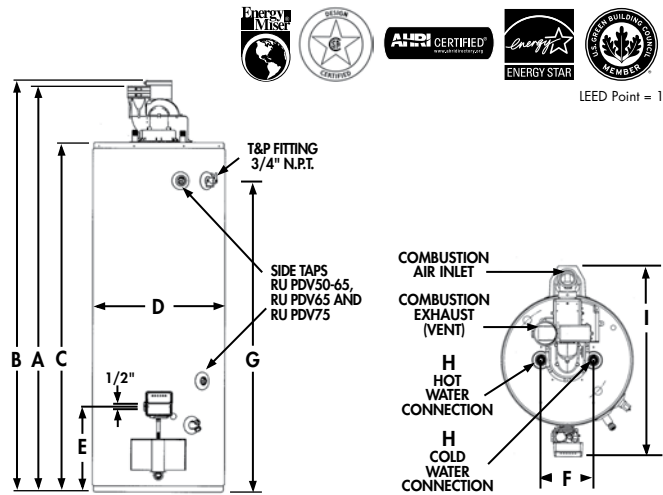
†RU PDV75 LP annual operating cost.

• Specify LP gas when ordering. Add "P" suffix to the model number. Example RU PDV40P.

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas \$1.218/therm; LP \$1.87/gallon.



Left: 40 and 50-gallon models, Right: 63 and 75-gallon models



AIR-INLET VENTING INFORMATION FOR RU PDV40 AND RU PDV50

| From Sea Level Through 5,999 ft. Above Sea Level | | | | | |
|--|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV40 | 2 | 7 | 30 | 90° Elbows | Concentric* |
| RU PDV40 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV40 | 3 | 7 | 50 | - | Concentric* |
| RU PDV50 | 2 | 7 | 30 | 90° Elbows | Concentric* |
| RU PDV50 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV50 | 3 | 7 | 50 | - | Concentric* |

| From 6,000 ft. Above Sea Level Through 7,700 ft. Above Sea Level | | | | | |
|--|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV40 | 2 | 7 | 15 | 90° Elbows | - |
| RU PDV40 | 2 | 7 | 30 | - | Concentric* |
| RU PDV40 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV40 | 3 | 7 | 50 | - | Concentric* |
| RU PDV50 | 2 | 7 | 15 | - | Concentric* |
| RU PDV50 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV50 | 3 | 7 | 50 | - | Concentric* |

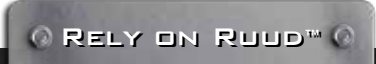
| From 7,701 ft. Above Sea Level Through 10,200 ft. Above Sea Level | | | | | |
|---|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV40 | 2 | 7 | 15 | - | Concentric* |
| RU PDV40 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV40 | 3 | 7 | 50 | - | Concentric* |
| RU PDV50 | 3 | 7 | 60 | 90° Elbows | - |
| RU PDV50 | 3 | 7 | 50 | - | Concentric* |

* One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.

* Use only Ruud 3 inch concentric termination.

See next page for venting information for RU PDV50-65, RU PDV65 and RU PDV75.

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AIR-INLET VENTING INFORMATION FOR RU PDV50-65, RU PDV65 AND RU PDV75

| From Sea Level Through 2,000 ft. Above Sea Level | | | | | |
|--|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV50-65 | 3 | 7 | 50 | 90° Elbows | – |
| RU PDV50-65 | 3 | 7 | 40 | – | Concentric* |
| RU PDV50-65 | 4 | 7 | 100 | 90° Elbows | – |
| RU PDV65 | 3 | 8 | 50 | 90° Elbows | – |
| RU PDV65 | 3 | 8 | 40 | – | Concentric* |
| RU PDV65 | 4 | 8 | 100 | 90° Elbows | – |
| RU PDV75 | 3 | 8 | 50 | 90° Elbows | – |
| RU PDV75 | 3 | 8 | 40 | – | Concentric* |
| RU PDV75 | 4 | 8 | 100 | 90° Elbows | – |

| From 2,001 ft. Above Sea Level Through 5,999 ft. Above Sea Level | | | | | |
|--|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV50-65 | 3 | 7 | 50 | 90° Elbows | – |
| RU PDV50-65 | 3 | 7 | 40 | – | Concentric* |
| RU PDV50-65 | 4 | 7 | 100 | 90° Elbows | – |
| RU PDV65 | 3 | 8 | 30 | 90° Elbows | – |
| RU PDV65 | 3 | 8 | 20 | – | Concentric* |
| RU PDV65 | 4 | 8 | 100 | 90° Elbows | – |
| RU PDV75 | 3 | 8 | 25 | 90° Elbows | – |
| RU PDV75 | 3 | 8 | 20 | – | Concentric* |
| RU PDV75 | 4 | 8 | 100 | 90° Elbows | – |

| From 6,000 ft. Above Sea Level Through 7,700 ft. Above Sea Level | | | | | |
|--|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV50-65 | 3 | 7 | 50 | 90° Elbows | – |
| RU PDV50-65 | 3 | 7 | 40 | – | Concentric* |
| RU PDV50-65 | 4 | 7 | 100 | 90° Elbows | – |
| RU PDV65 | 4 | 8 | 40 | 90° Elbows | – |
| RU PDV75 | 4 | 8 | 50 | 90° Elbows | – |

| From 7,701 ft. Above Sea Level Through 10,200 ft. Above Sea Level | | | | | |
|---|--|--|--|---|-------------|
| Model | Vent & Combustion Air-Inlet System Diameter (Inches) | Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.) | Vent and Combustion Air-Inlet System Termination(s) | |
| RU PDV50-65 | 3 | 7 | 25 | 90° Elbows | – |
| RU PDV50-65 | 3 | 7 | 20 | – | Concentric* |
| RU PDV50-65 | 4 | 7 | 100 | 90° Elbows | – |

• One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.
* Use only Ruud 3 inch concentric termination.

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

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