

Residential Combination Boiler



- **Standard Input** - Gas consumption ranges:
18,000 BTU/h to 199,900 BTU/h
- **Heating Mode Input** - Gas consumption ranges:
18,000 BTU/h to 120,000 BTU/h
- **Capacity Range** - Flow rates of 0.4 GPM up to 11.1GPM
- **Compact Design** - ANSI Z21.13/CSA 4.9 certified design that can be wall-mounted indoors or outdoors using the optional Vent Cap.
- **Direct Electronic Ignition**
- **Heat Exchanger** - Manufactured with 316L stainless steel
- **Venting Options** - Available in Direct Vent model that can use either 2" or 3" Schedule 40 PVC/CPVC or installed outdoors with Vent Cap.
- **AFUE** - 95%
- **Temperature Controls** - Includes remote thermostat that can precisely adjust the output temperature with the capability to display temperatures. DHW Settings : 90°F to 140°F, Heating Settings : 80°F to 180°F
- **Outdoor Reset Control** - Built-in customizable programming for Energy Savings and Comfort with Outdoor Temperature Sensor (included).
- **Multi-System Capability** - Combi Boiler can be linked together with UT199DV (Water Heater) by using the optional 2-unit Quick Connect for twice the DWH capacity.
- **Compatible 1/2" gas pipe** - See installation manual.
- **Input Modulating for DHW** - Each individual unit 11:1 Turndown Ratio.
Single unit : 18,000 - 199,900 BTU/h
Two units as multi link system (with Quick Connect Cord) : 18,000 - 399,800 BTU/h
- **Safety Devices** - Flame Sensor, Overheat Prevention Device, Lightning Protection Device, Freezing Prevention Device, Condensate Overfill, Fan Rotation Detector
- **Internal Pump** - Heating Mode: used for primary closed loop.
Domestic Mode : used for pre-heating of internal plate heat exchanger
- **10-Year* Limited Heat Exchanger Warranty for Residential Use**
- **5-Year Limited Parts Warranty**
- **Approvals** - CSA, Low Lead, ASME, Low NOX Approved by SCAQMD (Rule 1146.2)

Accessories

- Quick Connect Cord (Stock Code:1809)
- 2" & 3" PVC Concentric Termination (Stock Code:1813, 1813-1)
- 2" SV Conversion Kit (Stock Code:1814)
- 2" Bird Screen (Stock Code:1816)
- 3" Bird Screen (Stock Code:1817)
- 3" Horizontal Hood Termination (Stock Code:1818)
- Universal Concentric Vent Kit (Stock Code:1819)
- 2" & 3" Low Profile Termination Kit (Stock Code:1820, 1820-1)
- Plastic Rain Cap (Stock Code:1821)
- Neutralizer (Stock Code:1822)
- Manifold Kit (Stock Code:1827)



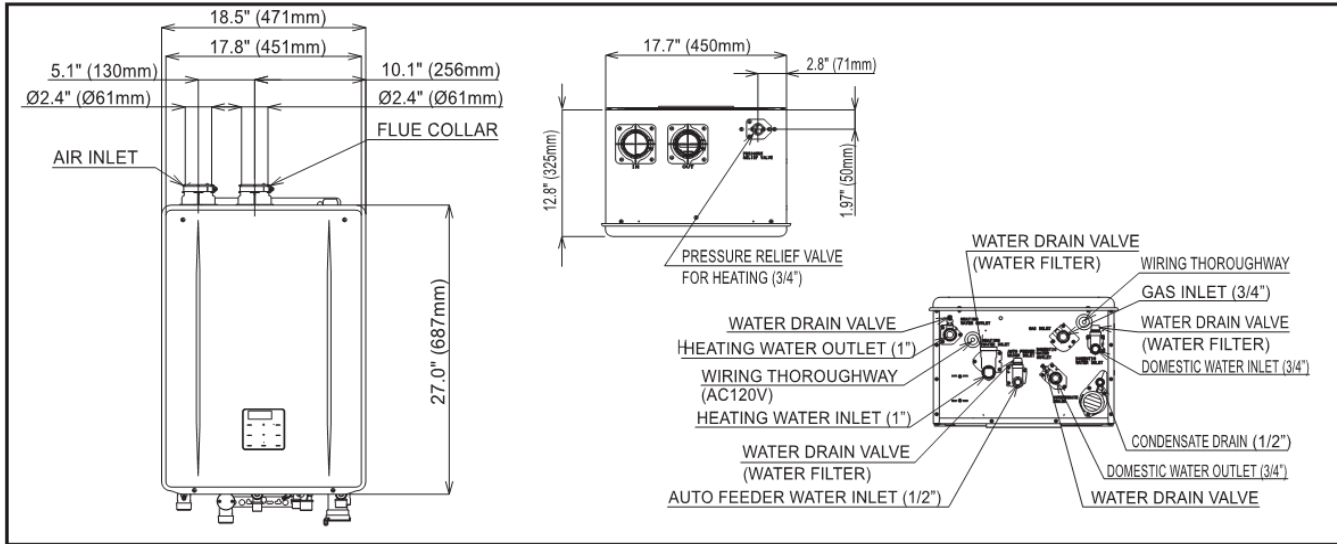
* Refer to the Pavilion™ Limited Warranty for complete coverage details at www.paviliontankless.com.

** This product complies with California AB 1953 Low Lead Law and Section 1417(d) of the Safe Drinking Water Act.

PB HEAT, LLC

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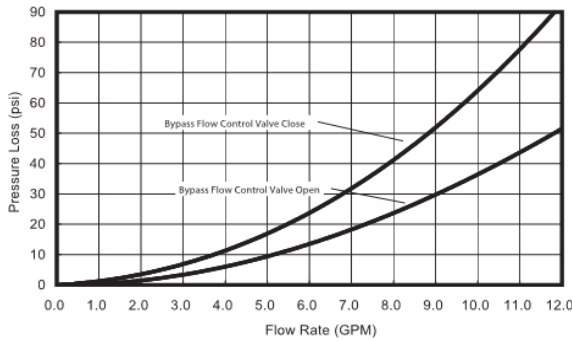
Dimensions



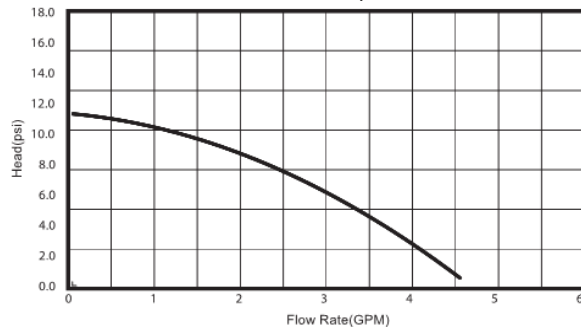
Flow Rate

Temperature Rise (°F)	30	40	45	50	60	70	80	90	100
Flow Rate (GPM)	11.1	9.5	8.4	7.6	6.3	5.4	4.7	4.2	3.8

DHW Pressure Loss Curve



Internal Pump Curve



Specifications

Model Name		PV199DV (GHQ-C3201WX-FF PB US)	
Weight		95 pounds (43 kg)	
Operating Pressure		15 - 150 psi	
Gas Supply Pressure		NG : 3.5" - 10.5" LP : 8.0" - 14.0"	
Water Holding Capacity		Under 2 Gallons	
Gas Connection Size	Water Inlet	3/4" NPT	
	Hot Water Outlet	3/4" NPT	
	Gas Inlet	3/4" NPT	
	Condensate Drain	1/2" Threaded NPT	
	Auto Feeder Inlet	1/2" NPT	
	Heating Supply	1"	
	Heating Return	1"	
Power	Supply	120VAC, 60Hz	
	Consumption	Operation : 210W(NG&LP), Freeze Prevention : 125W	
Temperature Settings	Domestic Hot Water	°F Mode	90-140°F (In 5°F intervals) (11 Options)
		°C Mode	32°C,35°C,37°C-48°C (In 1°C intervals),50°C,55°C,60°C (17 Options)
	Heating	°F Mode	80*-180°F (In 1°F intervals) (81 Options)
		°C Mode	27-82°C (In 1°C intervals) (43 Options)

* Default temperature for heating setting is 100°F . Refer to the installation manual in order to set it to 80°F.

PB Heat reserves the right to discontinue, or change at any time, the designs and/or specifications of its products without notice.