GAS-WALL-MOUNTED CONDENSING BOILER

Space Heating or Combi Boiler
Ideal for Condominiums and Single-Family Homes
VITODENS 100-W

Heating with Gas
High efficiency space heating or combi boiler system for all homes and budgets.
With its outstanding design and price:performance ratio, the Vitodens 100-W is the perfect mix of performance and value. Either combined with an indirect water heater, or as a standalone combi boiler, there is a Vitodens 100-W for most single-family homes.

Its compact design, zero clearance to combustibles and extremely quiet operation make the Vitodens 100-W an ideal choice even in the smallest spaces. Plus, with a limited residential lifetime warranty, you can be sure your investment will deliver long-lasting value.

Vitodens 100-W: Outstanding Versatility
The Vitodens 100-W offers the right solution for every demand, including multiple venting options to fuel flexibility (natural gas or liquid propane) right out of the box, and space heating or all-in-one combi options. Plus, installation, service and maintenance are designed to be fast and easy with all pipe connections located at the bottom and serviceable components easily accessible from the front.

Domestic Hot Water To Fit Your Family’s Needs
Combi And Heat-Only Options
Vitodens 100-W, B1KA combi boiler (B1HA models feature space-heating only). The B1KA (combi) offers an outstanding flow rate of up to 3.7 GPM†, plus added cost savings with the energy-saving on-demand design.

For more hot water on demand, the B1HA (space heating only) makes an excellent pairing with Vitocell DHW tanks. With an integrated indirect circulator, this combination delivers highly efficient, dependable on-demand hot water and space heating for families.

Installation is easy with the brazed-plate stainless steel heat exchanger, DHW temperature and flow sensors, 3-speed pump, and 3-way diverting valve all built-in to form one compact, lightweight, space saving unit.

* On-demand domestic hot water available with Vitodens 100 B1KA models
† At a 69 °F maximum temperature rise with Vitodens 100, B1KA-35
MatriX Cylinder Burner:
The Heart Of Your Heating
The Viessmann-made modulating MatriX cylinder burner offers extremely clean combustion and quiet operation with either liquid propane gas or natural gas (available on all models).

Stainless Steel Inox-Radial Heat Exchanger:
Efficient And Reliable
The Vitodens 100-W is equipped with a stainless steel Inox-Radial heat exchanger. Developed and manufactured by Viessmann, this high-quality stainless steel component maximizes performance and reliability. Plus, the self-cleaning heat exchanger contributes to the boiler’s long service life and dependable performance.

BENEFITS AT A GLANCE
+ Fits every home and budget
+ Extremely quiet; quieter than most refrigerators
+ Durable and efficient Viessmann-made stainless steel Inox-Radial heat exchanger and MatriX burner
+ Outstanding efficiency of 95% A.F.U.E. on all Vitodens 100-W models
+ Fully-modulating input eliminates energy waste
+ Simple to install and service with 4 pipe hydronic connection design with built-in primary pump and diverter valve

User-Friendly Touchscreen Control Unit
The Vitodens 100-W gas condensing boilers utilize touchscreen control with enhanced programming. The backlit LCD touchscreen display offers excellent readability even under poor lighting conditions.

Helps You Save
Select an easy-to-use room thermostat and utilize the boiler’s on-board control, which automatically adjusts the boiler water to outdoor temperatures. This not only boosts fuel savings, but also keeps your home warm and comfortable at all times.
Wall-Hanging Condensing Boiler

**VITODENS 100-W**

Viessmann Manufacturing Company Inc.
Warwick, RI, 02886
1-800-288-0667
viessmann-us.com

**Dimensions:**
- **a** ¼" - both sides of the boiler
- **b** 15 ¾"
- **c** 2 ¼"
- **d** 27 ½"
- **e** 4 ¾"
- **f** 6"
- **g** 15 ¾"
- **h** 5"
- **i** 9 ¾" minimum
- **j** 1 ¼"
- **k** 7 ¾"
- **l** 3 ¼"
- **m** 2 ¼"

**Legend:**
- A Condensate drain, plastic hose Ø 1 in.
- B Boiler water supply, NPT ¾ in. (male thread)
- C Gas connection, NPT ¾ in. (male thread)
- D Boiler water return, NPT ¾ in. (male thread)
- E Combustion air opening for double pipe system
- F Combustion air opening for coaxial system
- G For B1HA series, DHW tank heating supply, NPT ¾ in. (male thread)
- H For B1KA combi, DHW, NPT ½ in. (male thread)
- I Opening for pressure relief valve

**Vitodens 100-W, B1HA series and B1KA Combi boiler**

**Model**
- **B1HA**
- **B1KA**

**Maximum Input (NG) MBH**
- 94
- 125

**Minimum Input (NG) MBH**
- 21

**NET AHRI Rating MBH**
- 76
- 101

**AFUE %**
- 95
- 101

**Overall Dimensions**
- Depth inches 15.75
- Width inches 15.75
- Height inches 30.25
- Weight lbs 79.4

**Boiler water content USG**
- 1.02

**Heat exchanger surface ft²**
- 12.96

**Maximum operating pressure psig**
- 45

**Minimum gas supply pressure**
- Natural Gas "w.c.
- 4
- 10
- 4
- 10

**Boiler water temperature maximum °F**
- 176

**Adjustable high limit (AHL) range space heating (steady state) °F**
- 86-176

**Boiler connections**
- Gas valve connection NPTM ¾
- Boiler heating supply and return NPTM ¾

**Vent connections**
- 2-Pipe vent (PPS/CPVC) Ø inches 2
- 2-Pipe intake (PPS/CPVC or PVC) Ø inches 2

**Coaxial Ø inches (mm)**
- 2/4 (60/100)

**Technical information subject to change without notice.**
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