

# BUDERUS

Wall-Mounted Gas Condensing Boiler  
GB142 Series

**95%**  
AFUE

## Efficiency, Dependability, and a Warranty that Won't Leave You Cold

- 95% AFUE Efficiency
- Buderus Quality and Engineering for Reliability and Long Life
- Easy to Install and Maintain
- Peace of Mind Warranty: 5-Year Parts and Limited Lifetime Heat Exchanger<sup>§</sup>
- State-of-the-Art Condensing Technology for Highest Efficiency



If you demand the most from your heating system, Buderus condensing technology is right for you. The compact wall mounted GB142 Boiler saves significant energy and delivers all this in the smallest of spaces.

Our Engineers have packed the GB142 with lots more than just advanced condensing technology. Quiet operation, a modulating burner for an optimum match between output and demand and low-NOx emissions to name a few. With all of these benefits, this wall mounted boiler is a perfect choice for low energy houses.

Comfortable. Efficient. Intelligent Heating.

# Buderus

# Ultra Efficient 95% AFUE GB142 Series Wall-Mounted Boiler

The state-of-the-art design of the GB142, with integrated controls, is a rare combination of outstanding quality paired with exceptional value. Utilizing advanced condensing technology, the Buderus GB142 Wall-Mounted Boiler maximizes the heating value of every cubic foot of natural gas or liquid propane. All GB142 Boilers now come with the AM10 outdoor reset control and DHW sensor for control of an indirect DHW tank. The GB142 is approved for 3" solid core PVC horizontal and vertical venting.

The small size and minimal clearance requirements of the GB142 Boiler provide tremendous installation flexibility. Thanks to the prefabricated low-loss header, the GB142 Boiler has the fastest installation in the industry. Specially designed with an appropriately sized circulator, this manifold ensures proper flow-rate through the unit. This feature greatly extends the service life of the GB142. By simplifying the piping, the GB142 manifold allows for quicker, easier, and trouble-free installation.

Model	GB142/24	GB142/30	GB142/45	GB142/60
<b>Performance Data</b>				
Rated Input (BTU/Hr)	84,800	106,000	160,900	214,800
Output (BTU/Hr) (176° / 140° F) (122° / 86° F)	22,700-75,200 25,300-83,300	28,100-91,500 30,700-102,400	42,500-142,000 47,200-158,000	56,800-176,300 63,200-196,600
AFUE Efficiency	95%	95%	95%	95%
Flue Gas Temperatures (°F) (176° / 140°F) (122° / 86°F)	155 100	167 100	151 97	151 97
Rated Emission Factor (ppm) NOx	24	23	23	22
Max Equivalent Vent Length, Ft	100	100	100	60
<b>Physical Dimensions</b>				
Height, in	28			
Width, in	22	22	35½	35½
Depth, in	18¾			
Weight, lbs	110	110	143	158
Water Content, gal	.65	.65	.93	1.2

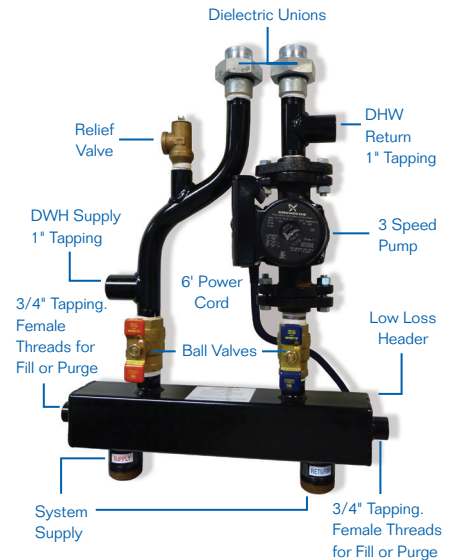


**5 PARTS & LABOR YEAR WARRANTY**  
**Residential applications receive a free 5-year parts and labor warranty with product registration**

**Federal Tax Credit Eligible**  
 GB142 models may qualify for many federal, state, local, and utility rebates. Rebate programs are subject to availability and restrictions. Check [www.dsireusa.org](http://www.dsireusa.org) for information on available rebates in your area.

§ For warranty details, see <http://www.buderus.us/support/download-area/warranty.html>

## Prefabricated Low-Loss Header



## A Tradition of Excellence

The world leader in heating technologies since 1825, Buderus produced the first low-temperature hydronic heating systems. Today, Buderus products are acknowledged as the global standard in high-efficiency, low emissions hydronic heating. All Buderus products are designed to meet strict safety and environmental regulations.

Buderus boilers are quick and easy to install and will outlast and outperform virtually any other hot water heating system. They are designed for easy access and service. With appropriate maintenance, Buderus boilers deliver the highest efficiencies throughout the lifespan of operation. Buderus is a brand of Bosch Thermotechnology.