

Instructions for High Altitude

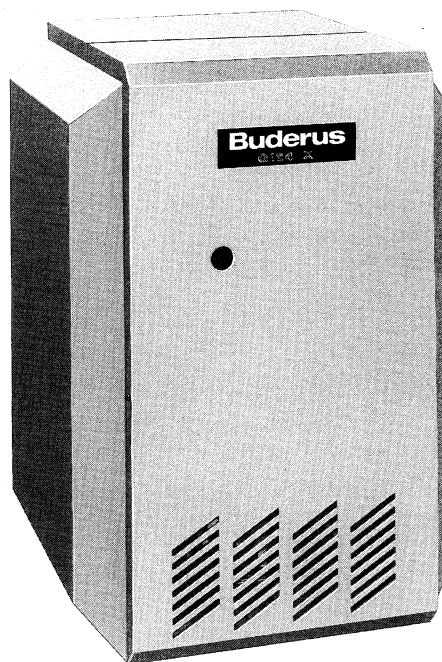
CONVERSION KIT for G124 X series Boilers

This kit and instructions are for converting the G124X Series Boilers for use at elevations above 2000ft.

REQUIRED INPUT RATES

G 124 X-18	G 124 X-25	G 124 X-32
66, 600 BTU/HR	92, 700 BTU/HR	119, 250 BTU/HR

THE CONVERSION SHALL BE CARRIED OUT BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER, PROVINCIAL OR TERRITORIAL AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CAN/CGA-B149.1 or CAN/CGA-B149.2 INSTALLATION CODES.



Notice: This manual must be retained for future reference!

Parts List for converting the boilers for high altitude installations

This kit contains the following parts:

- Main Gas Burner orifice and gaskets.
- Conversion data plate to be filled out and affixed to the appliance.
- Conversion Instructions.

TO CONVERT THE BOILER FOR USE AT HIGH ALTITUDE, THE FOLLOWING INSTRUCTIONS SHALL BE ADHERED TO

The boiler shall be converted prior to installation.

1. Remove Control Access Panel from the boiler, fig. 1
2. Remove main gas orifices and washers from burner assembly fig. 2.
3. Install new orifices and washers supplied with kit, ensure orifices are the proper size for your boiler application per the following tables:

Orifice Sizes – Propane Gas		
Elevation in feet		
Model	0–2000	2001–4500
G124X–18	1,80 mm	1,70 mm
G124X–25	1,75 mm	1,65 mm
G124X–32	1,70 mm	1,60 mm

Table 1

Orifice Sizes – Natural Gas		
Elevation in feet		
Model	0–2000	2001–4500
G124X–18	2,85 mm	2,70 mm
G124X–25	2,75 mm	2,60 mm
G124X–32	2,70 mm	2,55 mm

Table 2

Manifold Pressure			
in inch wc			
Model	G124X–18	G124X–25	G124X–32
Propane Gas	9,8	10,3	10,0
Natural Gas	3,6	3,5	3,6

Table 3

4. Fill out the required information on the conversion plate and affix the plate to the outside of the boiler jacket as close as possible to the existing rating plate.
5. If the boiler has not been placed into operation, follow the installation instructions in "The Installation, Operation and Maintenance Manual" supplied with the boiler.

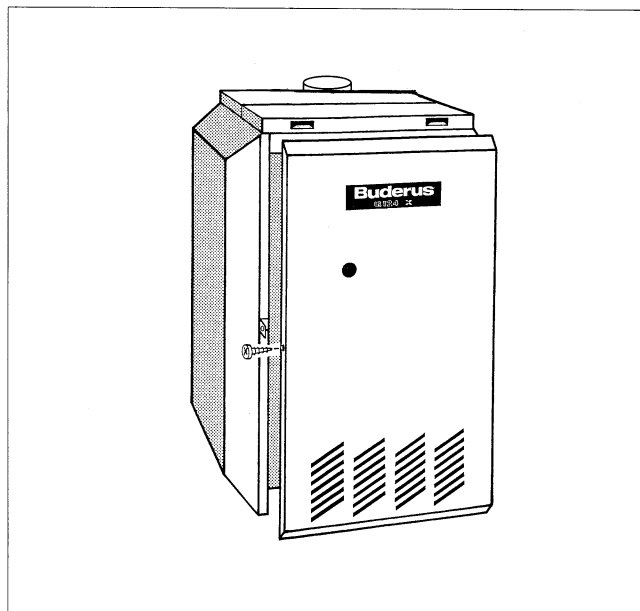


Fig.1

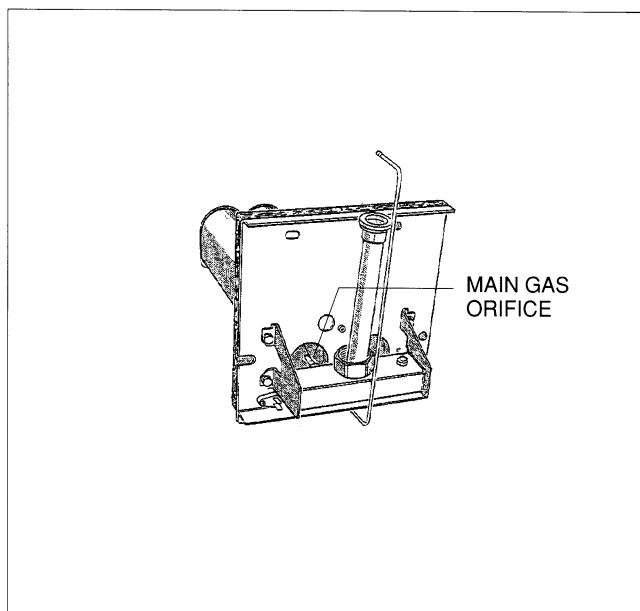


Fig.2

Manufacturer:

Buderus Hydronic Systems, Inc.

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