

Instruction for High Altitude

Conversion Kit for 124X Series Boilers

This kit and instruction are for converting the G124X Series Boilers for use at elevations above 8500ft.

REQUIRED INPUT RATES

G124X-18	G124X-25	G124X-32
66,660	92,700	119,250
BTU/H	BTU/H	BTU/H



THE CONVERSION SHALL BE PERFORMED BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURES, 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 the 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:
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 instruction in “the installation, Operation and Maintenance Manual” supplied with the boiler.

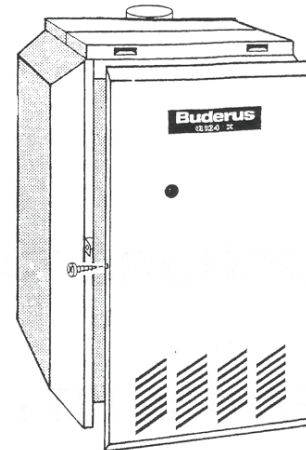


Fig. 1

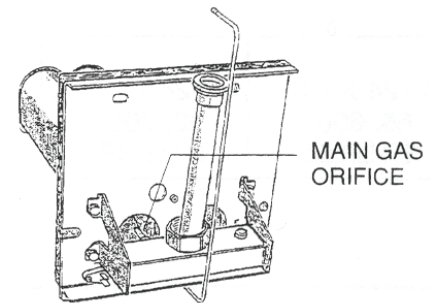


Fig.2

Orifice Sizes — Propane				
Elevation in feet				
Model	0-8500		8501-12000	
	Orifice Size	Kit Number	Orifice Size	Kit Number
G124X-18	1.80mm	G124x18P85I	1.75mm	G124X18P12000I
G124X-25	1.75mm	G124x25P85I	1.70mm	G124X25P12000I
G124X-32	1.70mm	G124x32P85I	1.65mm	G124X32P12000I

Orifice Sizes — Natural Gas				
Elevation in feet				
Model	0-8500		8501-12000	
	Orifice Size	Kit Number	Orifice Size	Kit Number
G124X-18	2.85mm	Standard Version	2.80mm	G124X18N12000
G124X-25	2.75mm		2.70mm	G124X25N12000
G124X-32	2.70mm		2.65mm	G124X32N12000

Manifold Pressure			
In inch wc			
Model	G124X-18	G124X-25	G124X-32
Natural	3.6	3.5	3.6
Propane	9.8	10.3	10.0

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