



# UPG

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## Technical Services

### APPLICATION ENGINEERING BULLETIN Number # AE-013-08

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■ TOPIC: Application of UPG equipment on unrefined wellhead gas

■ SCOPE & PURPOSE:

- The purpose of this series of Application Engineering Bulletins is to provide a explanation of the company stance where the burning of unrefined wellhead gas is under consideration.

■ CONTENT:

1. The uncontrolled nature of the fuel supplied to the units. Gas companies continuously monitor, adjust, and control the heating value in delivered fuel in their distribution lines. They also monitor and or clean the fuel of undesirable contaminants. The constituents of well head gas can change dramatically over time which, without monitoring and adjustment, could result in drastic over or under fire conditions even if orifices are changed and efforts are made to correct and or adjust manifold pressure at the appliance at any given moment in time.
2. Agency certification of the units is based on given fuels. Our units are certified for use with natural gas or propane. Other fuels would require the notification of the agency of certification and most likely involve witness to the operating properties of the gas in question. Since the gas is always changing, also constantly updated at a significant cost before their logo could be applied to our equipment.
3. Our units are subjected to an accelerated corrosion test procedure using known and controlled concentrations. Contaminates that are contained in the well head gas; we could not provide any predictions of heat exchanger life.

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■ SUMMARY/CONCLUSION:

Well head gas ***SHOULD NOT BE*** used under any circumstances.

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■ KEY WORDS: (For searches)

- Well head
- Heating
- Gas
- Propane