

ARP Series Gas Specification

Gaseous fuels supplied to the Atrex Energy ARP Series of Fuel Cells :

1. Shall have a nominal gross heating value of:
 - Natural Gas: 750 to 1100 BTU/cu.ft., for fuels outside of this specification, please consult with Atrex Energy
 - Propane/LPG: 2400 to 2700 BTU/cu.ft., for fuels outside of this specification, please consult with Atrex Energy
 - Other gas mixtures (Syngas, APG, Biogas etc.) or NGL: Consult with Atrex Energy
2. Shall have maximum Water content: <2500ppmw, non-condensing at operating temperature and pressure
3. Shall have the maximum Sulfur concentration of:
 - Total concentration: <100ppmw
 - COS (carbonyl sulfide): <100ppmw
 - DMS (or di-sub sulfides): <50ppmw
4. Shall have Fuel supply line conditions of:
 - Temperature: <55°C/130°F
 - Pressure: a) inlet to Fuel Cell system: 1-5 psig, b) inlet to Atrex Energy's High pressure Regulator kit option: 5-125 psig
5. Shall not contain any particulates larger than 30 microns in diameter including but not limited to sand, dust, gums, crude oil, and other impurities
6. Shall not have a dew point in excess of 0°C/32°F at 25 psig
7. Shall not contain more than 1% of oxygen
8. Shall not contain more than 12% of CO₂ or N₂