

Fast Natural Gas

Configuration of an Agilent Technologies 7890N Series Gas Chromatograph with a thermal conductivity detector for natural gas analysis.

Determines Components

- Air composite (oxygen, nitrogen and carbon monoxide)
- Methane
- Carbon dioxide
- Ethane
- Propane
- Isobutane
- n-Butane
- Isopentane
- n-Pentane
- Initial C6+ composite backflush to detector

The 10-port valve is placed in an Agilent 7890 primary oven. This will limit the upper temperature limit of the GC's primary oven to 175°C.

The lower quantifiable limit is 400 ppm for all components except those eluting on the tail of a major preceding constituent.