# Improving Trace CO and CO2 Analysis in Hydrogen and various Hydrocarbon Gas Streams By Thomas Adamski, Rob de Jong, Rik Suijker - PAC, L.P.

# **Plumbing Diagram for UOP 603-13**



## **Fast Separation for UOP 603**



# Linearity Plots for CO, Methane, and CO2









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### **TURN-KEY SOLUTION**,

**PROVEN HARDWARE**  Complete Solution Based on Agilent 7890B GC and proprietary AC Analytical **Controls Methanizer** 

# **EXCELLENT PERFORMANCE**

FOR SUPERIOR ROI Fast Analysis in < 5 Minutes</li> Superior Sensitivity, Repeatability & Linearity

### EASY TO USE

- Robust Solution using AC proprietary Methanizer with bypass valve
- No Methane Matrix Interference in Natural gas for more accurate and easier integration.

#### **PROVEN COMPLIANCY**

 UOP 603 was developed on PACS's AC Analytical Controls Solution

# **Trace level detection at 1 ppm and** quantification limits

# CO and CO2 in Natural Gas sample, analyzed without and with heart cutting







