

Flammability Analyzer Application Story

Conoflow Regulator Application

An ITT Conoflow customer manufactures hazardous gas and vapor analyzers for use in monitoring the safety of a process. They have Analyzers that monitor the LEL (Lower Explosive Limits) of the solvent vapors in the process.

The Conoflow GH10 Series regulators are used in flammability analyzers which have a continuous H2 or Propane pilot flame burning inside of the flame cell. Solvent vapors from the process are driven into the flame cell and are incinerated in the H2 or Propane flame.

For the analyzers, measurement accuracy requires an extremely stable fuel pressure. The Conoflow GH10 Series regulators are used to provide the constant fuel pressure to the analyzer at extremely low flow rates with little or no deviation in pressure output. The GH10 series regulator helps keep the pilot flame within one percent of its desired size.

This OEM has been using the Conoflow GH10 Series regulator for this precise fuel pressure control since 1998. More than 2000 of their analyzers have our GH10 regulator installed in the field.

