

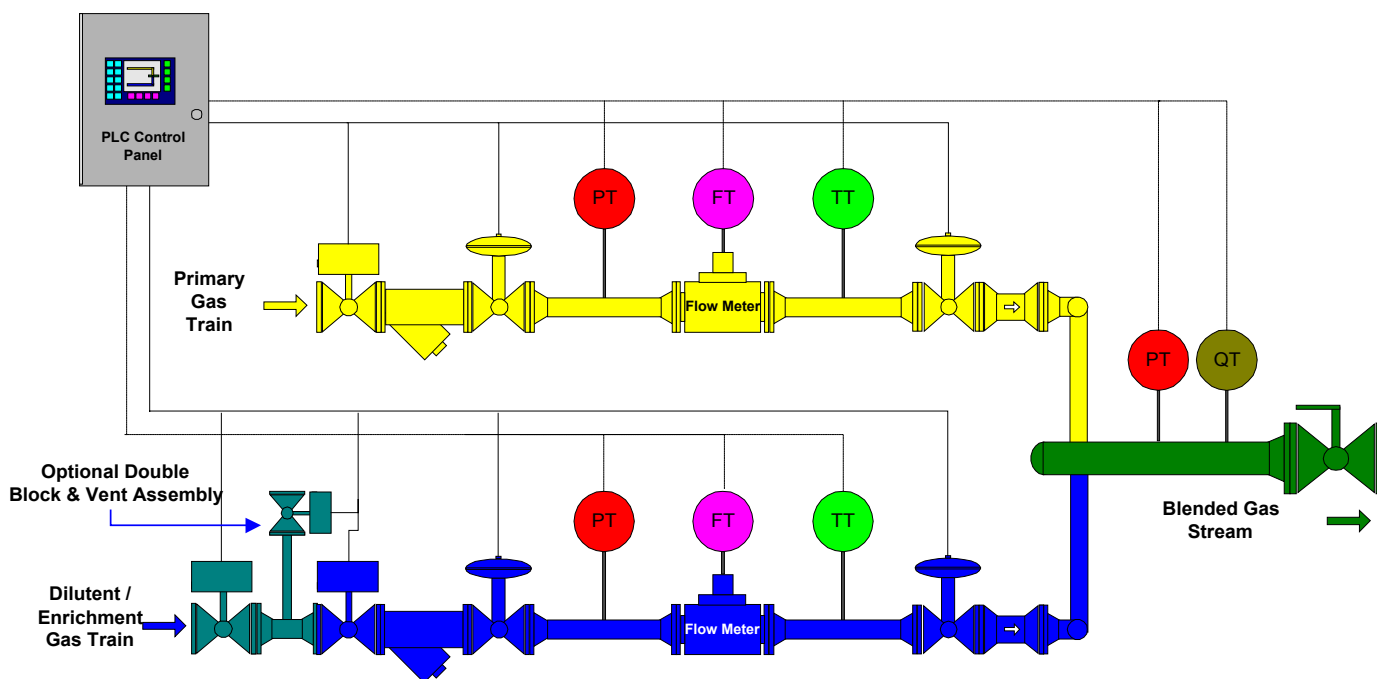
Operation/Overview

The MFC is a highly versatile gas blender that utilizes multiple blending control modes designed for use in utility and large industrial gas dilution or gas enrichment applications. Whether diluting or enriching a gaseous fuel supply such as natural gas or LPG; or blending inert gases, this mixer incorporates several features unique to this gas-blending package. Tight control of blending parameters, wide range of adjustment, failsafe design and superb versatility are just some of these features.



Common Uses:

- ◆ Natural Gas Trimming / Dilution
- ◆ Natural Gas Enrichment
- ◆ Propane-Air Blending
- ◆ Inert Gas Blending



Standard Features

- ◆ Piping design conforms to ASME B31.3 Pressure Piping Code
- ◆ Wiring, controls, electrical components and installation in compliance with NFPA 70.
- ◆ Rated for -40° F (-40° C) ambient operating temperature w/optional weather enclosure.
- ◆ Integrated PLC controlled operating system with multiple modes of operation.
- ◆ Automatic primary gas inlet isolation valve.
- ◆ All points monitored and displayed for quick indication of conditions.
- ◆ Redundant overpressure shutdown devices.
- ◆ Separate gas stream mass flow measurement.
- ◆ Automatic ratio control.
- ◆ Automatic CV, Wobbe or Knoy control.
- ◆ Analog flow, pressure and temperature instrumentation.
- ◆ Packaged skid-mounted and ready to connect to plant facilities.
- ◆ Flow capacities available: 10,000 – 2,000,000+ scfh (283 – 56,600+ Nm₃/hr)
- ◆ Outlet Pressures: 25 -260 psig (1.75 - 16.8 kg.cm²).
- ◆ Optional remote control interface port to allow operation via modem or plant PLC.
- ◆ Optional automatic double block and bleed isolation on dilution/enrichment gas inlet.
- ◆ Optional heated/lockable enclosure.
- ◆ Optional air pressure exhaust control valve (applicable to dilution applications)



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