POLYCONTROLS

INTEGRATION • CALIBRATION • INSTRUMENTATION

Gas Mixer

GMX

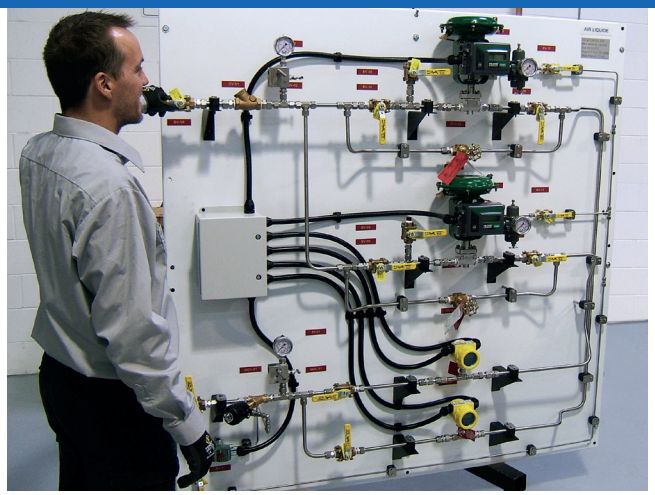
Gaz Distribution

GDX

GAS MIXERS AND LIQUID DELIVERY SYSTEMS

Polycontrols developed and manufactured systems to handle a wide range of gas and liquid streams. Our core competencies are the production of custom gas panels and liquid delivery systems for industries which requires low concentration mixture. We specialize in the making of :

- Gas mixers for specialty gases
- Gas distribution systems
- MFC mixing system
- Gas blender for OEM application
- Chemicals dosing systems
- Samples conditioning units
- Liquid vaporizer and fluid delivery systems
- Test benches for gas and fluids
- Gas systems for Pyrometallurgy lab



Advantages

We create gas mixers and liquid delivery systems for a variety of products :

- Special Atmosphere
  Gas panels for an array of applications requiring sub-ambient or oxygen enriched atmosphere.
- Fuels and Oxidants
  Gas panels for an array of applications requiring oxygen enriched atmosphere or flammable gases. In-situ oxygen cleaning services can be provided.
- SOFC : ?
  SOFC manufacturing, to improve fuel tolerance (using natural gas and diesel), and to substantially increase their lifetimes and ability to sustain cyclical operation by specific research that covers: low temperature, metal-supported, planar technology and high performance micro-tubular SOFCs.

  Polycontrols is a proud member of this pan-Canadian group to promote the sustainable development and commercialization of solid oxide fuel cell.
- CO_2 and Cryogenic
  CO_2 injection systems that provide constant pH levels. Systems are available in several standard designs to promote the safe handling and control of Cryogenic gases.
- HFC?
- Helium?
- Other Gases
  Custom-made panels for an array of applications including combustibles, corrosive and cryogenic applications and many more. A variety of options are available, enabling custom design and added operational flexibility.

Features

- Simple to complex systems and controls
- High temperature to cryogenic temperature
- High pressure to full vacuum.
- Design through Commissioning
- Full documentation
- High level of Cleanliness
- Weld or High Integrity Fittings for low leakage application

Expertise

Polycontrols engineers and manufactures systems for delivering representative sample stream to process analyzer. Our fast loop systems are engineered to:

- Ensure the homogeneity and the representativeness of the sample
- Have no dead volume so that the sample is constantly updated
- Filter only the fraction of the media to analyze without accumulated particles and contaminants
- Meet Class I, II and III, divisions 1 and 2
- Includes Positive Material Identification (PMI) to meet the requirements of the petrochemical industry

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Commitment to Quality

Polycontrols combines in-house engineering capacity (including 3D CAD layouts), on-site technical support and manufacturing know-how to maximize product quality and reduce fabrication costs.

Our main objective is to respond to our customer's specific requirements and offer value added services based on our expertise in flow measurement and the quality of our services.

Safety

We are UL registered and certified under ISO 9001. Audits are conducted on a regular basis to maintain our registration and ensure continuous compliance with recognized standards.

ASME SETTING THE STANDARD

c UL us LISTED

Canadian Registration Number

NFPA

SA® Class I Div 2 Hazardous

nqa. ISO 9001

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