



# Carbon Dioxide Gas Feed, Control & Monitoring Equipment

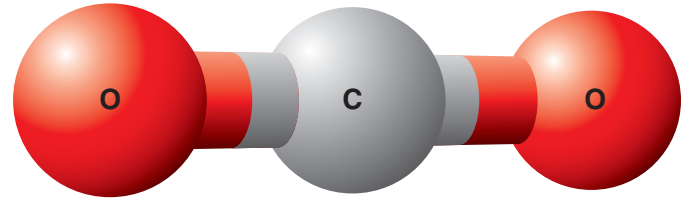
**Hydro Instruments** has been manufacturing vacuum induction gas feed equipment since 1978. In addition to Chlorine, Sulfur Dioxide, and Ammonia gas feeders, we offer a range of products for feeding Carbon Dioxide gas.

## Quality

With solid machined parts, only the finest materials and the most innovative designs, our line of gas feed systems and related instrumentation is the highest quality available in the world. Our warranty backs-up this claim – it's the longest on the market.

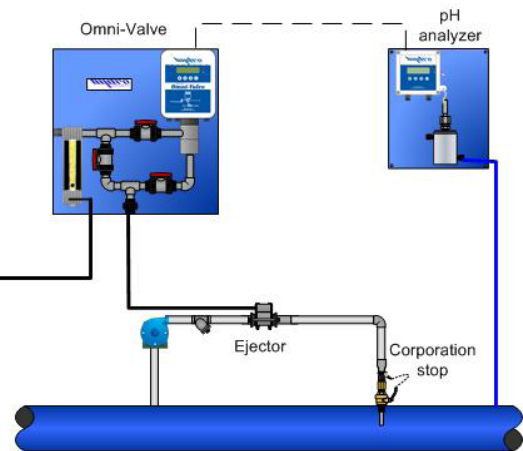
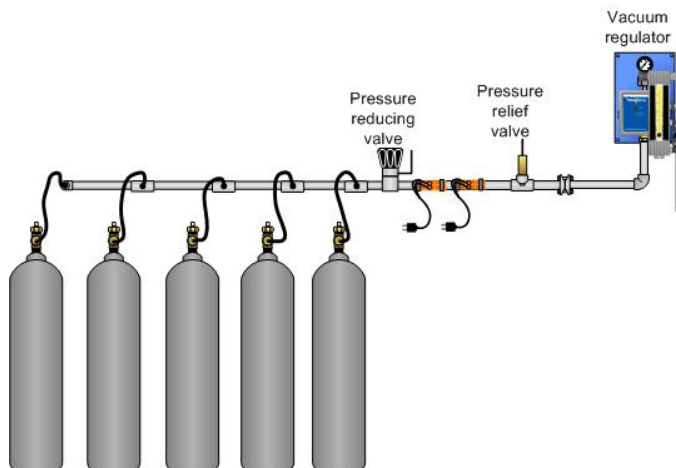
## Safety

Because our systems are designed to feed gases under vacuum, pressurized chemical lines can be minimized so that potential pressurized leak paths are kept to an absolute minimum. At Hydro Instruments, a skilled technician tests every unit and verifies its proper and safe operation.



## Complete Line of Products

- Vacuum Feed Systems (Up to 8000 PPD / 160 Kg/h)
- Automatic Feed Control Valves
- Carbon Dioxide Gas Manifolds
- Pressure Relief and Reducing Valves
- Pressure Gauges
- Corp Stops, Quills & Custom Diffusers
- pH Monitors



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## Carbon Dioxide Gas Feeder Models

- Series 500 (80 PPD / 1.8 Kg/h)
- Series 200 (200 PPD / 4 Kg/h)
- Series 700 (470 PPD / 9 Kg/h)
- Series 300 (470 PPD / 9 Kg/h)
- Series 900 (470 PPD / 9 Kg/h)
- Series 3000 (8000 PPD / 160 Kg/h)

All Carbon Dioxide Gas Feeder Models are accompanied by components that are manufactured to withstand Carbon Dioxide gas.

## Series 110 Omni-Valve

- Linear valve actuator / precise control
- Field Selectable Modes
- Password Protected Settings



## Series 230 Control Valve

- Linear valve actuator / precise control
- Microprocessor Technology
- Accurate and Dependable



## pH and Temperature Analyzers

- Online pH measurement
- Temperature measurement
- PID control function included

## Accessories

### Carbon Dioxide Gas Manifolds

- Horizontal Manifolds with Pressure Reducing Valve, and pressure relief valve to ensure pressure entering vacuum regulators does not exceed 150 PSI (10 bar)
- Flexible connectors with reverse flow check valves for connection to cylinders or rigid pipe for bulk storage tanks

### Injection Accessories Corporation Stops

- Manufactured with multiple types of materials including PVC, CPVC, PVDF and 316SS. Open channel diffusers are also available.



Detailed information on all of our products can be found in our catalog or on our website: [www.hydroinstruments.com](http://www.hydroinstruments.com)  
For questions please call 1 (888) 38-HYDRO.



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