



## Series 230 Automatic Control Valve

### **Reliable automatic chemical feed control...**

- Excellent accuracy
- Compact design
- Simple operation
- Gas or Liquid service
- Designed for minimal wear and long life

The Hydro Instruments Series 230 Control Valve offers a simple and accurate solution for automatic chemical feed. The valve uses a linear-drive motor to ensure the least possible wear longest life of the valve components. It is designed to be compact, reliable and easy to use.

### **Features:**

- Backlit display (LCD)
- Modbus Communication (RS485)
- Remote Automatic / Manual control
- Remote Duty / Standby control
- 4-20mA analog input
- 4-20mA analog output
- SPDT alarm relay
- Linear Operation—Eliminates all rotating motion, rotary drive shafts & gears
- V-notch feed control

By replacing rotating assemblies with a simple linear design and incorporating a lengthened V-notch stem, the Hydro Instruments CV-230 Control Valve produces precise and repeatable feed rate control with minimal wear.

State-of-the art microprocessor technology, high quality materials of construction and precision machining of a minimal number of moving parts combine to make the Series 230 Control Valve both accurate and dependable over long periods of continuous operation.



## Basic Specifications

### Maximum Capacity

Chlorine:	3,000 PPD / 60 Kg/h Cl <sub>2</sub>
Sulfur Dioxide:	3,000 PPD / 60 Kg/h SO <sub>2</sub>
Ammonia:	1,000 PPD / 20 Kg/h NH <sub>3</sub>
Carbon Dioxide:	2,400 PPD / 48 Kg/h CO <sub>2</sub>

### Available Connections

Up to 250 PPD:	1/4" NPT inlet / outlet
Up to 500 PPD:	1/2" NPT inlet / outlet
Up to 2000 PPD:	1" NPT inlet / outlet
3000 PPD:	1.5" Socket inlet / outlet

### Communication

Modbus:	RS485 RTU
Profibus:	Optionally supported
Analog Inputs:	(1x) 4-20mA Flow Pacing
Analog Outputs:	(1x) 4-20mA Gas feed rate
Relays:	(1x) 10A SPDT

### Electrical

AC Power:	120-240 VAC 50/60 Hz
DC Power (optional):	12 VDC

### Warranty

Coverage:	1 year (Limited)
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