



## OV-1000 Omni-Valve Automatic Control Valve

*The Valve That Does it All Now Does Even More!*

Hydro Instruments ground breaking process control valve has now gotten even better with the release of the new OV-1000. With a new, longer travel linear stepper motor the best in process control technology just got even better. This longer travel motor allows for finer control between feed points, saving you more chemical and more money. Other new features include increased capacities up to 10,000 PPD Cl<sub>2</sub>, Modbus Communication, and more alarm outputs.

### Features:

- Precise Feed Rate Control Allows For Optimal Chemical Usage And Cost Savings
- Feed Rates Up To 10000 PPD Cl<sub>2</sub>
- Compatible With A Variety Of Gas And Liquid Chemicals
- Seven Control Options Standard:
  - Manual Control
  - Flow Pacing
  - Residual/ORP
  - Compound Loop
  - Dual Set Point
  - Feed Forward
  - Step Feed
- Modbus Communication For Remote Monitoring And Control
- 3 Analog Inputs And Two 4-20 mA Outputs

*The Industry Standard In  
Process Control Technology*





# OV-1000 Omni-Valve Automatic Control Valve

## Series OV-1000 Automatic Control Valve

Model: OV-1000-

### MAXIMUM CAPACITY

1. 500 PPD (10 kg/hr):
2. 2000 PPD (40 kg/hr):
3. 6000 PPD (80 kg/hr):
4. 10000 PPD (200 kg/hr):

### GAS OR LIQUID

- A. Ammonia (NH<sub>3</sub>)
  - B. Sodium Bisulfite (NaHSO<sub>3</sub>)
  - C. Chlorine (Cl<sub>2</sub>)
  - S. Sulfur Dioxide (SO<sub>2</sub>)
  - H. Sodium Hypochlorite (NaOCL)
- Other:** Consult Factory

### RANGE

- |                        |                           |
|------------------------|---------------------------|
| 1. 10 PPD (200 gr/hr)  | 8. 2000 PPD (40 kg/hr)    |
| 2. 25 PPD (500 gr/hr)  | 9. 3000 PPD (60 kg/hr)    |
| 3. 50 PPD (1 kg/hr)    | 10. 4000 PPD (80 kg/hr)   |
| 4. 100 PPD (2 kg/hr)   | 11. 6000 PPD (120 kg/hr)  |
| 5. 250 PPD (5 kg/hr)   | 12. 8000 PPD (160 kg/hr)  |
| 6. 500 PPD (10 kg/hr)  | 13. 10000 PPD (200 kg/hr) |
| 7. 1000 PPD (20 kg/hr) |                           |

### POWER REQUIREMENTS

1. 120V 60Hz
2. 240V 50Hz

### CONTROL CONFIGURATION

- |                             |                            |
|-----------------------------|----------------------------|
| 1. Flow Pacing              | 5. Compound Loop (ORP)     |
| 2. Residual                 | 6. Step Feed               |
| 3. ORP                      | 7. Dual Input Feed Forward |
| 4. Compound Loop (Residual) | 8. Dual Set Point          |

### POWER CABLE LENGTH

1. 6 feet (1.5m) standard
2. Other (consult factory)

### SIGNAL CABLE LENGTH

1. None provided
2. Specify length required

### POWER LINE ISOLATOR

1. None (standard)
2. Included