The valve that does it all...

- Excellent Accuracy and Repeatability
- Maximum Versatility
- Remote adjustment and monitoring
- Gas or Liquid Metering
- Designed for Minimal Wear and Long Life

With the capability of operating in eight different control modes, handling a wide range of chemicals, covering a wide range of capacities and having a multitude of control options, adjustable features and settings, the Hydro Instruments Omni-Valve is truly an all-in-one automatic control valve for chemical feed.

Control Options (all standard)

- Manual Control
- Proportional (Flow) Control
- Set Point (Residual) Control
- Set Point (ORP) Control
- Compound Loop (PID) Control
- Step Feed Rate Control
- Dual Input Feed Forward Control
- Dual Set Point Control

*Control modes are field selectable and can be changed at any time.*

Highlighted Features

- 2 x 20 Character Liquid Crystal Display
- Modbus Communication (RS-485)
- 3 Analog Inputs (Flow, Residual and Remote Dosage)
- Adjustable: Dosage, Set Points, Lag Time, Signal Filters, Display Ranges, Alarms & More
- Linear Operation Eliminates Rotary Drive Gears & All Rotating Motion
- Broad Range of Chemicals & Capacities
- Two 4-20 mA Outputs
- Password Protected Settings

Because of Hydro Instruments' innovative approach to manufacturing, the Omni-Valve is the industry's first true directly linear drive control valve design. This linear design provides vast improvements over problematic rotary-driven valves. The Omni-Valve is the industry leader in terms of offering 8 different control modes (all standard) and a wealth of flexible settings and features. Our state-of-the-art microprocessor technology, highest quality materials of construction, precision machining and a minimal number of moving parts combine to make the Omni-Valve extremely reliable over long periods of continuous operation and truly the best automatic control valve available on the market.
Series 110
Omni-Valve

Model: OV-110 - ____ - ____ - ____ - ____ - ____ - ____ - ____ - ____

MAXIMUM CAPACITY

1. 500 ppd (10 kg/hr)
2. 2000 ppd (40 kg/hr)
3. 6000 ppd (120 kg/hr)

GAS OR LIQUID

A. Ammonia (NH₃)
B. Sodium Bisulfite (NaHSO₃)
C. Chlorine (Cl₂)
S. Sulfur Dioxide (SO₂)
H. Sodium Hypochlorite (NaOCl)
Other: Consult Factory

RANGE

1. 10 ppd (200 gr/hr)
2. 25 ppd (500 gr/hr)
3. 50 ppd (1 kg/hr)
4. 100 ppd (2 kg/hr)
5. 250 ppd (5 kg/hr)
6. 500 ppd (10 kg/hr)
7. 1000 ppd (20 kg/hr)
8. 2000 ppd (40 kg/hr)
9. 3000 ppd (60 kg/hr)
10. 4000 ppd (80 kg/hr)
11. 6000 ppd (120 kg/hr)

Note: For liquid use please specify the desired max capacity.

POWER REQUIREMENTS

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

CONTROL CONFIGURATION

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

POWER CABLE LENGTH

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

SIGNAL CABLE LENGTH

1. 25 feet (8 m) per input channel
2. Specify length required

POWER LINE ISOLATOR

1. None (standard)
2. Included

Capacity Ranges

<table>
<thead>
<tr>
<th>Feed Type</th>
<th>Capacity Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Feed</td>
<td>10, 25, 50, 100, 250, 500, 1000, 2000, 3000, 4000, &amp; 6000 PPD</td>
</tr>
<tr>
<td>Liquid Feed</td>
<td>4 GPH through 10 GPM</td>
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</tbody>
</table>