

Series 110 Omni-Valve

With the capability of operating in six 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 Omni-Valve is truly an all-in-one automatic control valve for vacuum 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

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

Features

- 2 line x 20 character display
- 3 analogue inputs (flow, residual and remote dosage)
- Adjustable: dosage, set points, lag time, signal filters, display ranges, alarms & more
- Linear operation eliminates rotary drive gears & 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.

The Omni-Valve is the industry leader in terms of offering 6 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.

- Excellent Accuracy & Repeatability
- Maximum Versatility
- 10 Point Calibration for Linear Flow
- Designed for Minimal Wear & Long Life



OV-110 Ordering Information

Model: OV-110 - - - - -

MAXIMUM CAPACITY

1. 10 kg/hr
2. 40 kg/hr
3. 60 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. 200 gr/hr | 6. 10 kg/hr |
| 2. 500 gr/hr | 7. 20 kg/hr |
| 3. 1 kg/hr | 8. 40 kg/hr |
| 4. 2 kg/hr | 9. 60 kg/hr |
| 5. 5 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 (1.5 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

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