

LONGER TRAVEL MOTOR OMNI-VALVE

Hydro Instruments' groundbreaking process control valve is now even better with the release of the new OV-1000 with a longer travel motor compared to the OV-110.

This longer travel motor allows for finer control between feed points, saving you more chemical and more money. Longer travel also offers improved control for higher capacities up to 10,000 PPD (200 kg/hr) Cl₂ feed.

Features & Benefits

- Feed rates up to 10,000 PPD (200 Kg/h) Cl₂
- Compatible with a variety of gas and liquid chemicals.
- Precise feed rate control allows for optimal chemical usage and cost savings.
- Seven field selectable control options:
 - Manual
 - Flow Pacing / Proportional
 - Residual Set Point / ORP
 - Compound Loop
 - Dual Input Feed Forward
 - Dual Set Point
 - Step Feed
- MODBUS (RS-485) communication + 3 analog inputs and 2 analog outputs
- Designed for minimal wear and long life.



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 7 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 1000 Omni-Valve

OV-1000 Ordering Information:

Model: OV-1000 – – – – – – – –

MAXIMUM CAPACITY

1. 500 PPD (10 Kg/h)
2. 1000 PPD (40 Kg/h)
3. 6000 PPD (120 Kg/h)
4. 10,000 PPD (200 Kg/h)

CHEMICAL

- A. Ammonia (NH₃)
- B. Sodium Bisulfate (NaHSO₃)
- C. Chlorine (Cl₂)
- S. Sulfur Dioxide (SO₂)
- H. Sodium Hypochlorite (NaOCl)
- O. Other: *Consult Hydro Instruments*

CAPACITY

- | | |
|-----------------------|---------------------------|
| 1. 10 PPD (200 gr/h) | 8. 2000 PPD (40 Kg/h) |
| 2. 25 PPD (500 gr/h) | 9. 3000 PPD (60 Kg/h) |
| 3. 50 PPD (1 Kg/h) | 10. 4000 PPD (80 Kg/h) |
| 4. 100 PPD (2 Kg/h) | 11. 6000 PPD (120 Kg/h) |
| 5. 250 PPD (5 Kg/h) | 12. 8000 PPD (160 Kg/h) |
| 6. 500 PPD (10 Kg/h) | 13. 10,000 PPD (200 Kg/h) |
| 7. 1000 PPD (40 Kg/h) | |

POWER

1. 120 VAC 60Hz
2. 240 VAC 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 ft. (1.5 m) Standard
2. Other: *Consult Hydro Instruments*

SIGNAL CABLE LENGTH

1. None
2. Included: *Specify length*

POWER LINE ISOLATOR

1. None
2. Included

