



Series 110 Omni-Valve

The valve that does it all ...

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

With the capability of operating in seven 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
- Dual Input Feed Forward Control

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

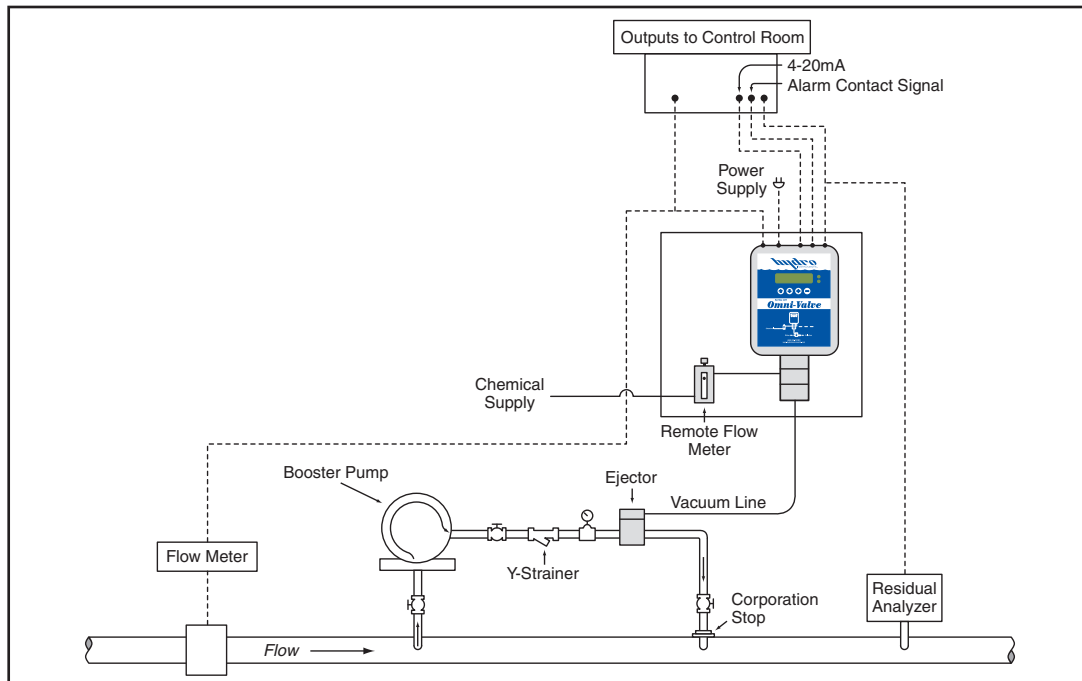
Highlighted Features

- 2 x 20 Character Liquid Crystal Display
- 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

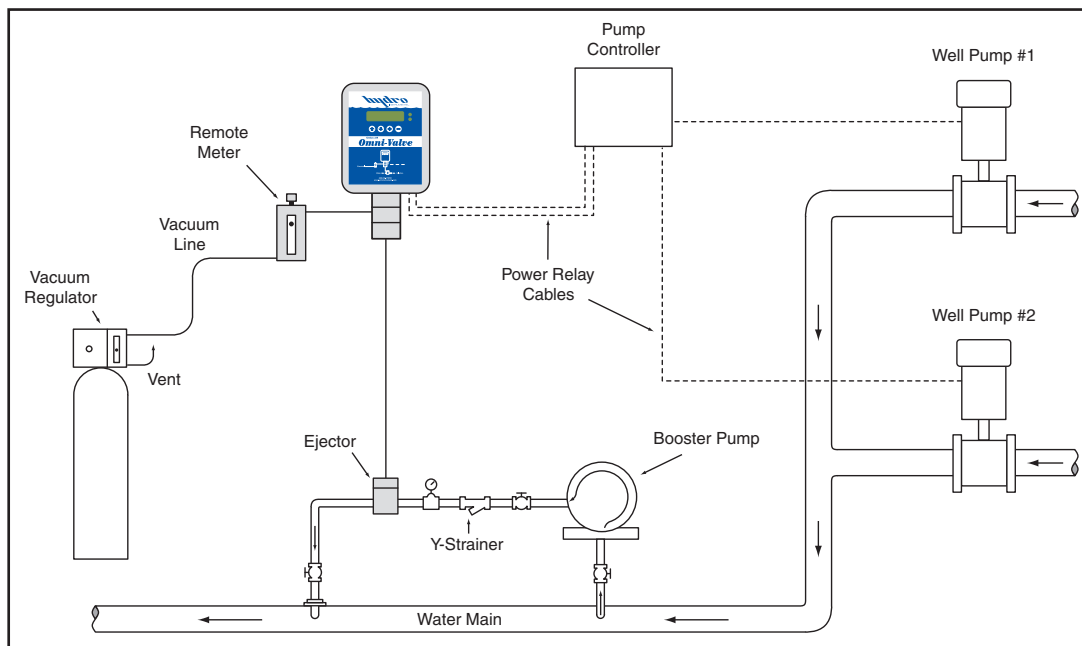
Because of Hydro Instruments' innovative approach to manufacturing, the **Omni-Valve** is the industry's first true directly linear drive control valve design. This linear design provides vast improvements over problematic rotary-driven valves. The **Omni-Valve** is the industry leader in terms of offering 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.



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Omni-Valve Installation Diagram (Compound Loop Control Mode)



Omni-Valve Installation Diagram (Step Feed Control)

Capacity Ranges	
Gas Feed	10, 25, 50, 100, 250, 500, 1000, 2000, 3000, 4000, & 6000 PPD
Liquid Feed	4 GPH through 10 GPM



INSTRUMENTS

