



Wall Panel Series Panel Mounted Products

Wall Panel Series

The Wall Panel Series offers the ability to panel mount the OV-110, OV-1000, and CV-230 automatic feed rate control valves offered by Hydro Instruments.

- Wall panel mounting simplifies the installation process providing easy access to the equipment for operation and maintenance. Panel mounting minimizes the equipments footprint which conserves space and eliminates the use of cabinets.
- Every panel is constructed from the highest quality “high density polyethylene” plastic and schedule 80 PVC piping. Panels are available in standard sizing for the most common configurations. Custom panels are also available. The bypass piping and valve arrangements allows for simple manual feed control whenever maintenance or calibrations are needed on the control valve.



OV-110 and OV-1000 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
- Dual Set Point Control

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

OV-110 and OV-1000 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
- External control of: Duty/Standby & Auto/Manual



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Custom Configurations and Options

Wall Panel Series 110 Omni-Valve Order Information

Model: WPOV-110 – – – – – – – – – – – –

A B C D E F G H I J K

Position	Feature	Description
A. VALVE BODY: SIZE AND MAXIMUM CAPACITY	1	½" NPT Valve Bodies (500 PPD / 10 Kg/h max. – Use with 3" & 6" Flow Meters and ½" Bypass)
	2	1" NPT Valve Bodies (2000 ppd / 40 Kg/h max. – Use with 12" Flow Meters and 1" Bypass)
	3	1.5" Socket Valve Bodies (3000 ppd / 60 Kg/h – Use with 3000 PPD / 60 Kg/h Flow Meter only and 1.5" Bypass)
B. GAS TYPE	C	Chlorine (Cl ₂)
	S	Sulfur Dioxide (SO ₂)
	Other	Consult Factory
C. FLOW METER CAPACITY	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) 12" tube
	8	2000 ppd (40 kg/hr) 12" tube
	9	3000 ppd (60 kg/hr) 12" tube
D. POWER REQUIREMENTS	1	120V 60Hz
	2	240V 50Hz
E. 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
F. POWER CABLE LENGTH	1	6 feet (1.5 m) standard
	2	Other (consult factory)
G. SIGNAL CABLE	1	None provided
	2	Specify length required (Add \$1.50 per foot of cable)
H. 4-20 mA OUTPUT	1	Not Included
	2	Included
I. POWER LINE ISOLATOR	1	None (standard)
	2	Included
J. BYPASS PIPING ARRANGEMENT	1	None
	2	½" Bypass (500 ppd / 10 kg/hr max)
	3	1" Bypass (2000 ppd / 40 kg/hr max)
	4	1.5" Bypass (3000 ppd / 60 kg/hr max)
K. DIFFERENTIAL PRESSURE REGULATOR	1	None
	2	Up to 250 ppd (5 kg/hr)
	3	500 ppd (10 kg/hr)
	4	2000 ppd (40 kg/hr)
	5	3000 ppd (60 kg/hr)



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