

Baldwin™-Series Flow Control Drawers

Stay in Complete Control of Your Sample and Calibration Gases

- Manual or PLC control
- Up to 6 gas analyzer channels
- Up to 8 cal gas channels
- Block & bleed manifold
- Optional pressure transmitters
- Simple tube connectors
- Pump vacuum gauge
- Cal gas regulator

Baldwin™-Series Flow Control Drawers from Perma Pure provide an easy and compact solution to control sample and calibration gases. The Model 3300 is a 19" rack mountable integrated gas flow control system for monitoring and controlling gases.

Principle of Operation

Sample gas is extracted from the process through a filter probe and conditioning system to remove particulate and moisture. The conditioning system supplies a clean, dry sample to the back panel of the Model 3300 Flow Control Drawer. The stack probe filter and sample pump performance are indicated by the flow control drawer vacuum/pressure gauges.

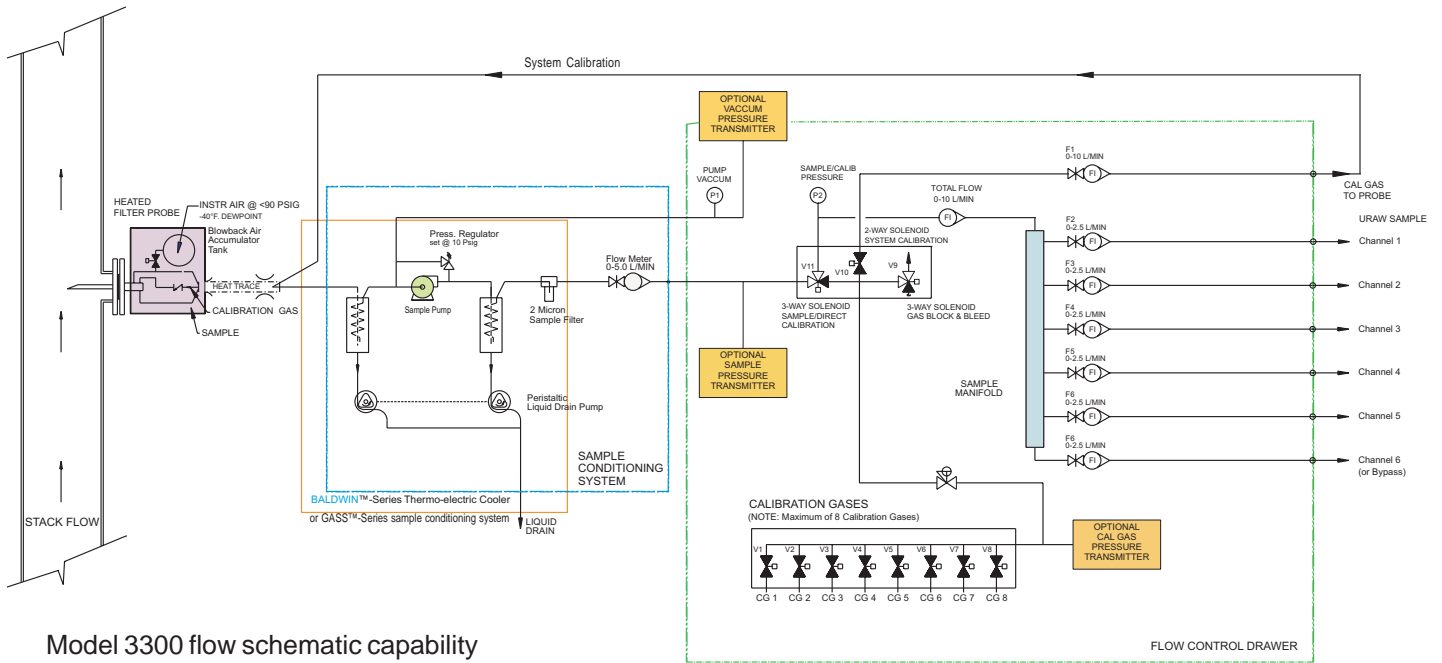
The standard flow drawer is configured for two gas channels and two calibration gases, zero and span. Manual control switches are provided for selection of system or direct calibration. Four flow meters are included for visual indication and control of calibration gas, individual analyzer and bypass flow. The Model 3300's unique block & bleed manifold system has the ability to switch the sample and up to eight calibration gases to the analyzer rack utilizing the direct mode or to the total sampling system utilizing the sample mode.

The Model 3300 performs system bias checks. System integrity is verified by comparing gas analyzer readings for both the direct and system modes. This easy and efficient procedure identifies problems such as sample transport system leaks or analyte signal loss.

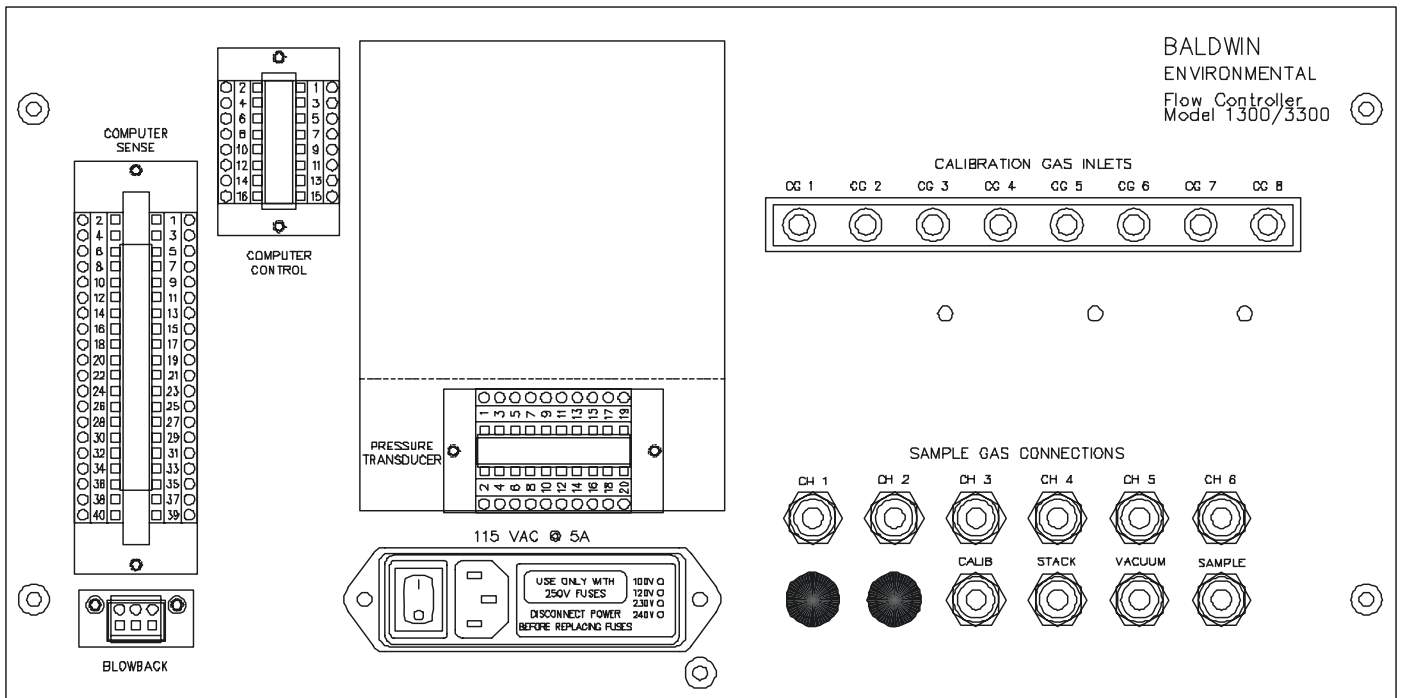
A probe filter blowback relay contact on the flow control drawer facilitates manual or computer initiated blowback.



Model Number	4D-3300	4D-3300P
Enclosure	5U (8.75"), 19" rack mount, 18" deep; 24 lbs	
Input cal-gas channels (max: 8)	Sample 5 - 15 psig Vacuum 0 - 30" Hg Calibration 5 - 35 psig	
Output gas channel	0 - 2.5 lpm (max: 6)	
Blowback	Specify 12VDC, line voltage or dry contact	
Electrical requirements	90-240 VAC, 50/60 Hz; 100 W	
Pressure transmitters	n/a	Sample, cal gas, sample vacuum



Model 3300 flow schematic capability



Model 3300P back panel terminal connections



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