

F&J SPECIALTY PRODUCTS, INC.
The Nucleus of Quality Air Monitoring Programs

**“D” SERIES HIGH VOLUME
GLOBAL AIR SAMPLER SYSTEM
(100 - 120 VAC)**

F&J, the leader in advanced-technology air sampling systems for ambient environmental monitoring applications, is introducing a new technology product line of HIGH VOLUME AIR SAMPLERS!

The “D” Series High Volume air samplers with Global Air Sampling (GAS) System technology brings forth the ultimate in end user customization and sampling mode options that has ever been combined into one reasonably priced commercial grade item.

Flow rates as high as 117 CFM (200 m³/hr) can be achieved through 8”×10” (20.3 cm × 25.4 cm) glass fiber filter paper. The “D” Series High Volume air samplers enable air monitoring specialists to attain lower levels of detection for trace metals and lower levels of airborne radioactivity concentrations. The “D” Series High Volume air samplers enable one to filter more than twice the air volumes per sample event than processed by the currently available high volume air samplers having a 60-70 CFM (100-120 m³/hr) maximum flow rate capacity.

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**Typical Maximum Flow Rates for GAS-60810D
1100 watt Vacuum System (1 ½ " Piping)**

Filter Paper	Maximum Flow		
	CFM	LPM	m ³ /hr
8"x10"			
FP810	90.1	2550	153
FP810M	111.3	3150	189
GC508X10IN	80.2	2270	136
5211810	92.9	2628	158
GC908X10	89.0	2520	151
PG60	94.7	2680	161
FP810M2	116.3	3290	197
EPM2000	85.9	2430	146
GAS558X10IN	83.4	2360	142
2064810	110.6	3130	188

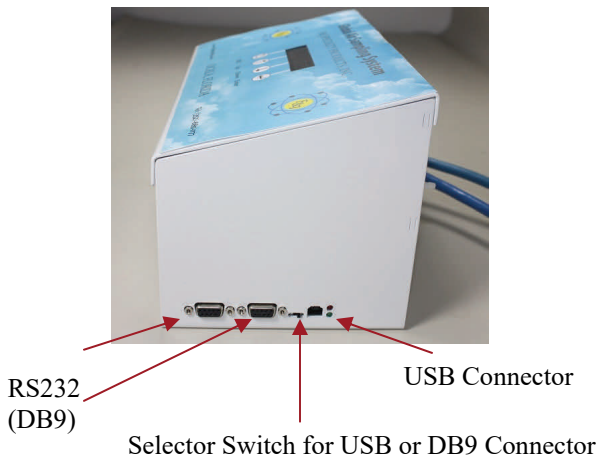


GAS-60810D Series

Additional Operator Selectable Features Provided by The Global Air Sampling System Product Line

Language Options:	English, French
Sampling Mode:	Volumetric Flow or Mass Flow
Gas Type:	Air, O ₂ , N ₂ , H ₂ , CO, CO ₂ , C ₃ H ₆ , He, NH ₃
Engineering Units	
Volumetric Flow:	sccm, SLPM, SCFM, sm ³ /min, sm ³ /hr
Mass Flow:	kg/hr, g/min, lbs/hr
Temperature:	°C, °F
Pressure:	In. Hg, mm Hg, bar, mbar, atm, kPa, hPa
Reference T and P	
Reference T:	0°C, 15°C, 20°C, 21.1°C (70°F), 25°C
Reference P:	101.325 kPa (760 mm Hg), 100 kPa (1bar)
RS232 Data Output Frequency:	1 sec, 1 min, 10 min, 20 min, 30 min, 1 hr
Data Storage Frequency:	1 min, 10 min, 20 min, 30 min, 1 hr
Operating Mode:	Continuous, Periodic
Periodic Sampling Options:	1 hr. (12 five minute periods), or weekly (24 one hour periods for 7 days)
Ending Mode:	By time, By volume
Operator Selectable Passwords:	2 levels
Date and Time Setup	Input of real time and date
Alarm Settings	Flow, Inlet pressure, temperature, inlet pressure drop

Close Up Photos of Control Box



**“D” SERIES HIGH VOLUME
GLOBAL AIR SAMPLING SYSTEM
(100 - 120 VAC)**

	GAS-604D	GAS-60810D
Dimensions H×L×W (in)	26× 26.5 × 16.5	57.5× 21.5 × 21.5
H×L×W (cm)	66×67×42	146×55×55
Weight lbs. (kg)	98 (44.5)	98 (44.5)
Filter Dimension	4” (102mm)	8”x10” (20.3cm x 25.4cm)
Maximum Flow	50 CFM (85m ³ /hr)	117 CFM (200m ³ /hr)
Max. Vacuum “H ₂ O (kPa)	90 (22)	90 (22)
Flow Regulator Type	Electronic	Electronic
Motor Power, Type	1100 watt, Brushless	1100 watt, Brushless
Voltage (AC), 1 Ph	100—120	100—120
Frequency (Hz)	50/60	50/60
Power Requirement (watts)	1100	1100
Operating Temperature °C (°F)*	-29 to 50 (-20*to 122)	-29 to 50 (-20* to 122)
*warm start/continuous operation only for low temperature value		
Storage Temperature °C (°F)	-35 to 70 (-31 to 156)	-35 to 70 (-31 to 156)
IPX Rating	IPX3	IPX3
Installation Category	Pollution Degree 3	Pollution Degree 3
Enclosure Protection	Power Coat Paint	Powder Coat Paint
Noise Level @ 1 m (db)	83	83