

GilAir® PLUS

Innovation Delivered



Universal Air
Sampling Pump

SENSIDYNE®
Industrial Health & Safety Instrumentation

GilAir[®] PLUS

Finally, one air sampling pump with
**All the features
you need and want**

- QuadModeSM Air Sampling Technology
- Selectable Automatic Fault Recovery
- Wide Dynamic Flow Range
- Standard Temperature & Pressure Correction
- Internal Constant Flow & Pressure Control
- Superior Design & Comfort
- Real-time Clock with Data-logging



Pump shown actual size.

Innovation Delivered

The ultimate air sampling pump delivering enhanced performance, greater versatility, and superior design and comfort.

The Widest Flow Range of Any Air Sampling Pump

The GilAir Plus features wide dynamic flow and pressure ranges to address all personal air sampling methods with flow ranges between 1 and 5,000 cc/min. With patent pending QuadModeSM air sampling technology, the GilAir Plus can perform both high-flow constant pressure and constant flow (450-5,000 cc/min) and low-flow constant pressure and constant flow (1-499 cc/min) with a single pump without external adaptors. It's like getting two pumps in one.

Unmatched Versatility

Samples particulates, vapors, gases, and metal fumes

Works with all common sampling media

Multi-language capability: English, Spanish, French, Italian, Dutch, Portuguese and German

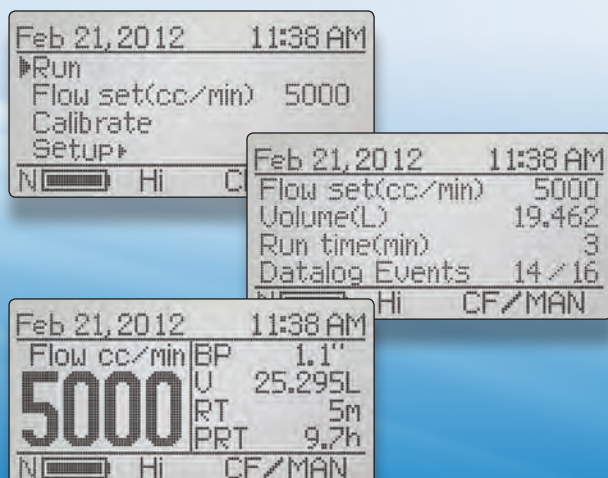
Outlet port for bag sampling

High Performance

GilAir Plus is a smart pump that provides ambient or standard temperature and pressure corrected display (STP model) and data-logging (STP and Datalog model). The pump has high back pressure capability of up to 40" H₂O in high flow and up to 25" H₂O in low flow. An automatic self check system ensures sample accuracy. In the event of a fault condition, the pump's selectable automatic fault recovery feature attempts to restart the pump up to 10 times every 3 minutes to determine if the fault condition has been cleared.

Ease of Use

An intuitive menu, keypad interface and large, easy-to-read back-lit display makes adjusting pump settings quick and easy. Once the pump is set up, the keypad can be locked to prevent tampering. Convenient and innovative SmartCalSM feature provides automatic pump calibration.



Ergonomic Design

One-third smaller than traditional personal air sampling pumps and weighing less than 21 oz. (595 g), the GilAir Plus provides superior operator comfort. An integrated belt clip securely attaches the pump in a horizontal position, allowing workers a full range of motion to perform a wide variety of tasks without interference or discomfort.



Communications

The GilAir Plus dock provides charging and communication functions for the STP and data-logging models. Once docked, the PC application allows users to review datalogs, generate sampling reports, manage sampling programs, and create pump set-up profiles that expedite deployment of large pump fleets. The SmartCalSM feature uses the dock as a communication link between appropriate calibration devices and the GilAir Plus. SmartCalSM automates calibration and records pre and post sample calibrations in the pump's datalog.



Charging and communications dock shown with the Gilian Pump Management Software.

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GilAir Plus Specifications

Flow Range	Constant flow 20-5,000 cc/min. without external adaptors. Constant pressure 1-5,000 cc/min. without external adaptors
Flow Modes	Constant Flow or Constant Pressure (high and low flow modes)
Flow Display Accuracy	± 5% or 3 cc/min. of set flow, whichever is greater
Constant Flow Control Accuracy	± 5% or 3 cc/min. of set flow, whichever is greater
Constant Pressure Mode Accuracy	± 10% of back pressure
Back Pressure Capability	5,000 cc/min. up to 12" H ₂ O back pressure (8 hour run time)
	4,000 cc/min. up to 20" H ₂ O back pressure
	3,000 cc/min. up to 30" H ₂ O back pressure
	2,000 cc/min. up to 30" H ₂ O back pressure
	1,000 cc/min. up to 35" H ₂ O back pressure
	450-1,000 cc/min. up to 40" H ₂ O back pressure
	20-449 cc/min. up to 25" H ₂ O back pressure
Run Time	8 hour minimum
Charge Time	Less than 3.5 hours
Flow Fault	If flow changes exceed ± 5% within back pressure specifications, fault notification appears. If fault exceeds 30 seconds, pump shuts down. Selectable automatic fault recovery allows the pump to attempt restart every 3 minutes for up to 10 attempts or to hold until manual intervention.
Dimensions	4.3 x 2.4 x 2.4 inches (11.0 x 6.1 x 6.1 cm)
Weight	20.5 oz (580 g)
Warranty	2 years from original shipment, 5 years for pump keypad, and 1 year on rechargeable NiMH battery

See the GilAir Plus datasheet for complete pump specifications and approvals.

Charging and Communications Dock Options



Three and five-station docks are available when ordering multi-pump configurations.

Air Flow Calibrators



Gilian Gilibrator bubble cell calibrator and Gilian Challenger dry calibrator. Visit our website to review our full offering of air sampling pumps, equipment, and accessories.

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