

# GILAIR-5 CONSTANT FLOW AIR SAMPLING PUMP



- External Filter Housing**  
 Clear External filter housing allows an immediate visual inspection of filter's condition.
- Flow Fault & Test Indicators**  
 Flow Fault indicator lights up if unit operates outside  $\pm 5\%$  of set flow rate. Battery Test indicator lights up when battery can provide a minimum of 8 hours of operation over operating range.
- Basic, Clock, & Program Models**  
 Basic model is easy to use. Clock model provides elapsed-time clock display. Program model provides delay start times up to 9999 mins.
- Optional Low Flow Modules**  
 Constant Low Flow module allows sampling from 5-500 cc/min. Constant Pressure (Multiflow) Module allows sampling from 1-750 cc/min.

## PRODUCT SPECIFICATIONS

### PERFORMANCE

Flow Range .....	1- 5000 cc/min (Total), 850 - 5000 cc/min (High Flow); 5-500 cc/min (Constant Low Flow); 1-750 cc/min (Constant Pressure)
Constant Flow Control .....	Better than $\pm 5\%$ of set flow (after calibration)
Pressure Range .....	5000cc up to 8" H <sub>2</sub> O back pressure 4000cc up to 15" H <sub>2</sub> O back pressure 3000cc up to 23" H <sub>2</sub> O back pressure 2000cc up to 26" H <sub>2</sub> O back pressure 1000cc up to 25" H <sub>2</sub> O back pressure 850cc up to 20" H <sub>2</sub> O back pressure
Run Time .....	8 hour minimum
Flow Fault .....	If flow changes exceed 5%, fault icon appears. If fault exceeds 30 seconds, pump shuts down. Pump attempts to restart every 3 minutes for up to 1 hour

### ENVIRONMENTAL

#### Temperature Ranges

Operating .....	32°F to 104°F (0°C to 40°C)
Storage .....	-49°F to 113°F (-45°C to 45°C)
Charging .....	41°F to 104°F (5°C to 40°C)

#### Humidity Ranges

Operating .....	0-85 %RH, non-condensing
Storage .....	0-100 %RH, non-condensing

### GENERAL

Display Messages .....	LAST, CAL, SHUT/OFF (Clock, Program); E, PC, P1-P6, OLD (Program)
Controls .....	Power Switch, Flow Control Screw, ◆ & ◆ Buttons (Clock, Program),  Programming (PROG) Button (Program)
Indicators .....	Elapsed Time (Clock, Program)
Icons (LCD) .....	Low Battery, Flow Fault, Clock (Clock & Program)
Dimensions .....	4.1W x 3.9H x 2.0D inches 10.4W x 9.9H x 5.1D cm
Weight .....	22.5 oz. (638 g)

### ELECTRICAL

Battery Pack .....	Removable, Sealed, Rechargeable Nickel-Cadmium
Interface Connectors .....	Charging Jack
Charging Time .....	14-18 hours

### APPROVALS

CE .....	EMC EMI/RFI, EN 55 022 Class B; IEC 801-2, 3
Intrinsic Safety	
UL .....	Class I, Div 1, Groups A, B, C, D; T3C
CENELEC .....	EEx ia IIC T4

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