

# GILAIR-3 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- 3000 cc/min (Total), 850 - 3000 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 .....	3000cc up to 8" H <sub>2</sub> O back pressure 2500cc up to 15" 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 .....	3.9W x 3.6H x 2.0D inches 10.0W x 9.0H x 5.1D cm
Weight .....	21.0 oz. (595 g)

### ELECTRICAL

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

### APPROVALS

CE .....	EMC EM/RFI, EN 55 022 Class B; IEC 801-2, 3
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### Intrinsic Safety

UL .....	Class I, Div 1, Groups A, B, C, D; T3C
CENELEC .....	EEx ia IIC T4

## ORDERING INFORMATION

Description	Part Number
GilAir-3 R Sampling Pump, Basic .....	800485-111
GilAir-3 RC Sampling Pump, Clock .....	800508-111
GilAir-3 RP Sampling Pump, Program .....	800510-111
GilAir-3 R Sampling Pump, Basic, Starter Kit, 120V .....	800485-111-1201
GilAir-3 RC Sampling Pump, Clock, Starter Kit, 120V .....	800508-111-1201
GilAir-3 RP Sampling Pump, Program, Starter Kit, 120V .....	800510-111-1201
GilAir-3 R Sampling Pump, Basic, Starter Kit, 230V .....	800485-111-2301
GilAir-3 RC Sampling Pump, Clock, Starter Kit, 230V .....	800508-111-2301
GilAir-3 RP Sampling Pump, Program, Starter Kit, 230V .....	800510-111-2301
Single-Station Charger (120 VAC) .....	401040
Single-Station Charger (230 VAC) [euro plug] .....	401097-1
Five-Station Charger (120 VAC) .....	850069
Five-Station Charger (230 VAC) .....	850070
Battery Pack, Blue .....	800464
Low Flow Module, Constant Flow, Blue .....	800518
Low Flow Module, Multi-Flow, Blue .....	800519

For a complete listing of pump models, kit configurations, and pump accessories, refer to the Gilian Catalog.

For more information on this pump and other Gilian products, please call **800-451-9444, ext 782** and ask for our full product catalog.

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