

Gilian® 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 auto start-stop and delayed 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.

Ordering Information

| Description | UL NiCad | UL NiMH | ATEX NiMH |
|---|-----------------|-----------------|-------------|
| GilAir-3 R Sampling Pump, Basic | 800485-111 | 800485-171 | 810-0201-02 |
| GilAir-3 RC Sampling Pump, Clock | 800508-111 | 800508-171 | 810-0202-02 |
| GilAir-3 RP Sampling Pump, Program | 800510-111 | 800510-171 | 810-0203-02 |
| GilAir-3 R Sampling Pump, Basic, Starter Kit, 120V | 800485-111-1201 | 800485-171-1201 | -- |
| GilAir-3 RC Sampling Pump, Clock, Starter Kit, 120V | 800508-111-1201 | 800508-171-1201 | -- |
| GilAir-3 RP Sampling Pump, Program, Starter Kit, 120V | 800510-111-1201 | 800510-171-1201 | -- |
| GilAir-3 R Sampling Pump, Basic, Starter Kit, 230V | 800485-111-2301 | 800485-171-2301 | 910-0201-02 |
| GilAir-3 RC Sampling Pump, Clock, Starter Kit, 230V | 800508-111-2301 | 800508-171-2301 | 910-0201-02 |
| GilAir-3 RP Sampling Pump, Program, Starter Kit, 230V | 800510-111-2301 | 800510-171-2301 | 910-0207-02 |
| Single-Station Charger (120 VAC) | 298-0006-01 | 298-0006-01 | -- |
| Single-Station Charger (230 VAC) [euro plug] | 401097-1 | 401097-1 | 401097-1 |
| Five-Station Charger (120 VAC) | 850069 | 850069 | -- |
| Five-Station Charger (230 VAC) | 850070 | 850070 | 850070 |
| Replacement Battery Pack | 800464 | 783-0008-03 | 783-0008-01 |
| Low Flow Module, Constant Flow, Blue | 800518 | 800518 | 800518 |
| Low Flow Module, Multi-Flow, Blue | 800519 | 800519 | 800519 |

Note: UL models available with with NiCad or NiMH battery packs; ATEX models come with NiMH.
For complete information on this and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.



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 | $\pm 5\%$ of set flow at 1000-5000 cc/min |
| Flow Compensation | 3000cc up to 8" H2O back pressure 2500cc up to 15" H2O back pressure 1000cc up to 25" H2O back pressure 850cc up to 20" H2O 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 | UL: NiCad or NiMH ATEX: NiMH |
| Interface Connectors | Charging Jack |
| Charging Time | 14-18 hours |

APPROVALS/PERFORMANCE

| | |
|------------------|---|
| 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 (ATEX models) |