

# 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.

Description	Part Number
GilAir-3 R Sampling Pump, Basic	800485-171
GilAir-3 RC Sampling Pump, Clock	800508-171
GilAir-3 RP Sampling Pump, Program	800510-171
GilAir-3 R Sampling Pump, Basic, Starter Kit, 120V	800485-171-1201
GilAir-3 RC Sampling Pump, Clock, Starter Kit, 120V	800508-171-1201
GilAir-3 RP Sampling Pump, Program, Starter Kit, 120V	800510-171-1201
GilAir-3 R Sampling Pump, Basic, Starter Kit, 230V	800485-171-2301
GilAir-3 RC Sampling Pump, Clock, Starter Kit, 230V	800508-171-2301
GilAir-3 RP Sampling Pump, Program, Starter Kit, 230V	800510-171-2301
Single Unit Charger w/ Power Adapter, USB GilAir-3/5-Euro cord	911-9901-EU-R
Single Unit Charger w/ Power Adapter, USB GilAir-3/5-US cord	911-9901-US-R
GilAir-3/5 BDx-2-US Five Unit Charger, Universal, 120V, US Cord	811-9919-US
GilAir-3/5 BDx-2-Euro Five Unit Charger, Universal, 230V, Euro Cord	811-9919-EU
Replacement Battery Pack	783-0008-03
Low Flow Module, Constant Flow, Blue	800518
Low Flow Module, Multi-Flow, Blue	800519

### 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 1000-3000 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 .....	NiMH
Interface Connectors .....	Charging Jack
Charging Time .....	14-18 hours

#### APPROVALS/PERFORMANCE

Intrinsic Safety - UL	
Class 1, Div 1, Groups A, B, C, D; Class 2, E, F, G; Class 3	
EMC: Emissions Standards	
EN 55011:2009/A1:2010 Group 1, Class A ICES-003 - Issue 2 Class A FCC Part 15 (per ANSI C63.4:2015) Class A Verification	
EMI: Immunity Standards	
EN 61326-1:2013; IEC 61000-4-2:2006 / EN 61000-4-2:2009; IEC 61000-4-3:2006 / EN 61000-4-3:2006/A1:2008/ A2:2010	

For complete information on this and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog. © 2016 Sensidyne, LP - GilAir-3 Datasheet Rev. F 01.04.16