

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)