

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 ₂ O back pressure 2500cc up to 15" H ₂ O back pressure 1000cc up to 25" H ₂ O back pressure 850cc up to 20" H ₂ 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
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